



**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT**

**Hardy Oxford Waterline  
Lihue, Hawaii 96766**

Prepared for:  
**Belt Collins Hawaii LLC**  
2153 North King Street, Suite 200  
Honolulu, HI 96819

Prepared by:  
**Environmental Risk Analysis LLC**  
905A Makahiki Way  
Honolulu, HI 96826

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## ACRONYMS

ACBM	Asbestos Containing Building Material
ASTM	American Society for Testing and Materials
BSA	Baseline Site Assessment
CCA	chromated copper arsenate
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
Cl <sup>-</sup>	chloride
COPC	Chemicals of Potential Concern
CORRACTS	Treatment, storage and disposal facility subject to Corrective Action under RCRA
C-REC	Controlled Recognized Environmental Condition
DLNR	Department of Land and Natural Resources
EDR	Environmental Data Resources, Inc.
ERA	Environmental Risk Analysis, LLC
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
HDOH	Hawai'i Department of Health
H-RECs	Historical Recognized Environmental Condition
KIUC	Kauai Island Utility Corporate
LCP	Lead Containing Paint
LLC	Limited Liability Company
LUST	Leaking Underground Storage Tank
mg/l	milligrams/liter
MINES	Mines Master Index File
MIS	Multi-Incremental Sampling
msl	mean sea level
NFA	no further action
NPL	National Priorities List
PCB	polychlorinated biphenyl

PMT	Pole-Mounted Transformer
RCRA	Resource Conservation and Recovery Act
RCRA-LQG	Resource Conservation and Recovery Act – large quantity generators
RCRA-SQG	Resource Conservation and Recovery Act – small quantity generators
RCRA-CESQG	Resource Conservation and Recovery Act – conditionally exempt small quantity generators
REC	Recognized Environmental Condition
SARA	Superfund Amendments and Reauthorization Act
SHWS	State Hazardous Waste Sites List
SVOC	Semi-volatile organic compound
TMK	Tax Map Key
TPH	Total Petroleum Hydrocarbons
UIC	Underground Injection Control
US	United States
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VES	Vapor Encroachment Screening
VOC	Volatile organic compound

## QUALIFICATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The undersigned environmental professional was responsible for conducting and preparing the Phase I Environmental Site Assessment for the property located along Kuhio Highway from Hardy Street to Oxford Street in the town of Lihue, Hawaii.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40CFR312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40CFRPart312.

Environmental professional qualifications are provided in Appendix A.

Environmental Risk Analysis LLC

**Prepared By:**



**Name:** Vincent Yanagita

**Title:** Principal

**Reviewed By:**



**Name:** Russell Okoji Ph.D.

**Title:** Principal

## EXECUTIVE SUMMARY

Environmental Risk Analysis (ERA), a Limited Liability Company (LLC) has performed a Phase I Environmental Site Assessment (ESA) at the request of Belt Collins Hawaii LLC for a portion of land which is currently used as a state highway stretching from Hardy Street to Oxford Street along Kuhio Highway in Lihue, Hawaii (hereafter referred to as the Site).

The purpose of this investigation was to identify and evaluate evidence that may indicate any Recognized Environmental Conditions (RECs) at the Site due to past or current management of chemicals or other materials that, if released or not properly controlled, could present a risk to human health or the environment. This ESA report conforms to the format outlined in the *ASTM Document E1527-13* and the USEPA's All Appropriate Inquiries Rule. The site reconnaissance visit was conducted by Mr. Max Ulloa of ERA on May 26, 2020.

### Findings

#### Site Reconnaissance

The Site, as of May 26, 2020 was completely paved and developed. The site reconnaissance began at the Lihue Civic Center, at the intersection of Kuhio Highway and Hardy Street. The inspection continued north along Kuhio Highway to Kali Road. No vegetation was observed. No staining was observed on the ground. A 76 gas station was observed at the intersection of Kuhio Highway and Kali Road. Kali Road (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The inspection then continued north along Kuhio Highway to Poinciana Street. A Shell gas station was observed across the highway from Poinciana Street. A Texaco gas station was observed at the intersection of Poinciana Street and Kuhio Highway. Poinciana Street (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The intersections of Poinciana Street with Nakamura Street, Jerves Street, and Hiraoka Street were also observed to be free of stains, waste, or ponding water. The inspection continued north along Kuhio Highway to the intersection of Kuhio Highway with Oxford Street and Ahukini Road. The intersection was observed to be free of stains, waste, or ponding water. The northernmost section of Kuhio Highway (within the Site boundaries) was also observed to be free of stains, waste, or ponding water. No unnatural fill areas were observed throughout the site inspection.



The Site was observed to slope south to north. According to EDR, the subject property lies between a minimum elevation of 200-feet above mean sea level (AMSL) and a maximum elevation of 220-feet AMSL. The Site is located above (mountainside) of the underground injection control (UIC) Line established by the State of Hawaii Department of Health (HDOH), therefore; the underlying aquifer is considered a drinking water source and there are limited types of injection wells allowed. No drinking water supply wells were observed on the subject property. Based on the geographical features of the island and the 7.5-minute USGS topographic maps provided by EDR, groundwater flow is assumed to flow east from the mountains to the ocean.

During the reconnaissance of the Site, ERA did not observe any staining indicating release at the Site. No tanks, wells, or signs of chemicals used on the Site were observed. No indications of current or historical chemical use or storage were observed, and no indications of current or historical petroleum or hazardous materials use, spills, or storage were noted. Additionally, no unusual odors, pools of liquid, aboveground storage tanks (ASTs), underground storage tanks (USTs), or drums/unidentified containers were observed onsite. Several gas stations with USTs were observed adjoining the Site.

ERA observed forty-three (43) pole-mounted transformers (PMTs) adjacent to the Site. Twenty-five (25) PMTs were observed along Kuhio Highway, nine (9) PMTs were observed on Poinciana Street, six (6) PMTs were observed at the intersection of Akahi Street and Hardy Street, and three (3) PMTs were observed on Akahi Street. Kauai Island Utility Corporate (KIUC) was queried regarding the polychlorinated biphenyl (PCB) content of the transformers. No response was received from KIUC. Unless records are obtained of the purchase date or testing, these transformers should be considered potentially PCB containing. Leaks or releases from these transformers may impact the subject Site.

### **Historic Photos and Maps**

Based on a review of historical aerial and Google Earth Pro photographs spanning 1951 to 2020 shows the Site was developed and used as a road since 1951, the earliest photograph available. No ASTM defined RECs were noted from review of the historical aerial photographs.

Based on a review of historical Sanborn maps spanning from 1927 to 1990, a sugar mill/plantation and cannery were identified adjacent to the Site in the Sanborn maps spanning from 1927 to 1945. Gas and oil facilities were observed adjacent to the Site from 1927 to 1990. These gas and oil facilities were located on the southern portion of the Site adjacent near the intersection of Kuhio Highway and Rice Street.

### **Regulatory Database Review**

The target property address submitted to EDR was not listed in any of the reviewed databases searched by EDR, however according to Records of Emergency Release Reports provided by the EDR there is one (1) HI SPILLS site listed as Kuhio Highway and Poinciana Street. This was determined to likely be within the limits of the subject Site. The EDR lists the spilled substance as hydraulic fluid. The spill quantity is not reported. This site is listed as no further action (NFA) based on the State On-Scene Coordinator determination. As this is a recorded release at the Site, which has been cleaned up to the satisfaction of the regulatory body, this release is considered a Historic-REC (H-REC) for the subject Site.

Seven (7) State Hazardous Waste Sites (SHWS) were listed within a 1-mile radius of the subject Site. Of the seven (7) sites, five (5) were determined to require additional research through review of environmental records. Gary's Service Station, Koamalu Plantation LLC, Lihue Plantation Company, GTE Telcom, and Lihue Plantation Company – Sugar Mill and Power Plant records were obtained from the HDOH Hazard Evaluation and Emergency Response (HEER) office. None of these sites were determined to pose a significant environmental threat to the subject Site.

According to the EDR Leaking Underground Storage Tank (LUST) database, there are twelve (12) UST releases within a ½-mile radius of the subject Site. Of the twelve (12) sites, eleven (11) sites have received no further action (NFA) cleanup status. Additionally, of the twelve (12) sites, four (4) sites are located adjacent to the subject property. These four (4) adjacent sites and the remaining site without an NFA cleanup status were further evaluated with review of the HDOH Solid and Hazardous Waste Branch (SHWB) records. Lihue Shell, located directly adjacent to the subject Site, is listed in the LUST database for three (3) UST release reports in 1998, 2005, and 2009. All three incidents received NFA status. Only one groundwater sample was collected in the 2008 Phase II ESA, which resulted in detected benzene exceeding the HDOH groundwater Environmental

Action Level (EAL). Additionally HDOH indicated that the soil samples were not obtained from beneath the USTs, or beneath every twenty linear feet of piping, as required for UST closures and removal, HDOH could not be certain that contamination did not exist beneath the UST system in areas where it is commonly found. With these qualifications, HDOH issued an NFA response to the 2009 release. ERA does not consider this release delineated and Due to distance and gradient, the historical releases from this Site may have impacted the subject Site. This is considered a REC for the subject Site. All other LUST sites were determined to pose minimal threat to the subject Site.

According to the EDR registered UST database, there are four (4) Sites which have USTs currently in use. Of the four (4) sites, three (3) are located directly adjacent to the subject Site. IES Retail Kuhio Highway, located at 3187 Kuhio Highway is listed with three (3) 10,000-gallon gasohol USTs currently in use. 76 Paradise (#412), located at 3155 Kuhio Highway, is listed with one (1) 7,000-gallon gasohol UST, one (1) 4,000-gallon gasohol UST, and one (1) 3,000-gallon diesel UST. Lihue Central Office, located at 4444 Rice Street, is listed with one (1) 600-gallon diesel UST. Due to proximity, potential future releases from these Sites may pose a threat to the subject Site. The presence of USTs in close proximity to the subject Site is considered a potential environmental concern.

<b>Table ES-1 Phase I ESA Summary</b>	
<b>Assessment Component</b>	
<b>Historic Land Use (Section 2)</b>	
Historical Aerial Photos/Maps	E <sup>1</sup>
Land Lease/Ownership	-
Interviews	-
Regulatory Records Review	-
Vapor Intrusion	-
<b>Site Reconnaissance (Section 4)</b>	
Operations	-
Hazardous Materials Storage	-
Underground Storage Tanks	-
Aboveground Storage Tanks	-
Solid Waste	-
Wells	-
Asbestos	-
Lead Based Paint	-
Arsenic	-
PCBs	E <sup>2</sup>
<b>Regulatory Database Review (Section 5)</b>	
Target Property	H <sup>1</sup>
Surrounding Sites	R <sup>1</sup> , E <sup>3</sup>

Notes:

“-“ = no ASTM RECs identified, no further investigation is required

R = ASTM defined REC observed

H = ASTM defined Historic REC observed

C = ASTM defined Controlled REC observed

E = indicates *de minimus* or non ASTM REC

Reference numbers (i.e., R<sup>1</sup>) are further discussed in the Executive Summary

## SUMMARY AND RECOMMENDATIONS

### *RECs*

- **H<sup>1</sup>:** The intersection of Kuhio Highway and Poinciana Street is listed in the SPILLS database. This site was determined to be likely within the limits of the subject Site. The EDR lists the spilled substance as hydraulic fluid. The spill quantity is not reported. This site is listed as NFA based on the State On-Scene Coordinator determination. As this is a recorded release at the Site, which has been cleaned up to the satisfaction of the regulatory body, this release is considered a H-REC for the subject Site.
- **R<sup>1</sup>:** Lihue Shell, located directly adjacent to the subject Site, is listed in the LUST database for three (3) UST releases. A Phase II ESA was conducted by Element Environmental for Delta Consultants in April 2008. Five soil borings were performed with one sample collected from the lowest depth. Because the soil samples were not obtained from beneath the USTs, or beneath every twenty linear feet of piping, as required for UST closures and removal, HDOH could not be certain that contamination did not exist beneath the UST system in areas where it is commonly found. Only one groundwater sample was collected in the 2008 Phase II ESA, which resulted in detected benzene exceeding the HDOH groundwater EAL. HDOH issued an NFA for this Site in 2009. No additional records were available indicating additional investigation was conducted to delineate the nature and extent of this contamination. Due to distance and gradient, the historical releases from this Site could have impacted the subject Site.

### *List of Additional Environmental Issues*

- **E<sup>1</sup>:** In the historic Sanborn Fire Maps, gas and oil facilities were observed adjacent to the Site from 1927 to 1990. These gas and oil facilities were located on the southern portion of the Site adjacent near the intersection of Kuhio Highway and Hardy Street. No additional records were available regarding records of release or USTs at these facilities, however the presence of historic gas and oil facilities directly adjacent to the Site is considered a potential environmental concern.
- **E<sup>2</sup>:** ERA observed forty-three (43) pole-mounted transformers adjacent to the Site. Twenty-five (25) PMTs were observed along Kuhio Highway, nine (9) PMTs were observed on Poinciana Street, six (6) PMTs were observed at the intersection of Akahi

Street and Hardy Street, and three (3) PMTs were observed on Akahi Street. KIUC was queried regarding the PCB status of the transformers. No response was received from Kauai Island Utility Cooperative. Unless records are obtained of the purchase date or testing, these transformers should be considered potentially PCB containing. Leaks or releases from these transformers may impact the subject Site.

- **E<sup>3</sup>:** According to the EDR registered Underground Storage Tank (UST) database, there are four (4) Sites which have USTs currently in use. Of the four (4) sites, three (3) are located directly adjacent to the subject Site. IES Retail Kuhio Highway, located at 3187 Kuhio Highway is listed with three (3) 10,000-gallon gasohol USTs currently in use. 76 Paradise (#412), located at 3155 Kuhio Highway, is listed with one (1) 7,000-gallon gasohol UST, one (1) 4,000-gallon gasohol UST, and one (1) 3,000-gallon diesel UST. Lihue Central Office, located at 4444 Rice Street, is listed with one (1) 600-gallon diesel UST. Due to proximity, potential future releases from these Sites may pose a threat to the subject Site. The presence of USTs in close proximity to the subject Site is considered a potential environmental concern.

## **SECTION 1: INTRODUCTION**

This Phase I Environmental Site Assessment (ESA) report was prepared by Environmental Risk Analysis (ERA) a Limited Liability Company (LLC) for Belt Collins Hawaii LLC. The subject of this Phase I ESA consists of a state highway, Kuhio Highway, stretching from Hardy Street to Oxford Street, as depicted in Figure 1.

### **1.1 PURPOSE**

This Phase I ESA was requested by the client, Belt Collins Hawaii LLC, to determine the current environmental status of the Site to satisfy due diligence requirements mandated by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). The purpose of this investigation was to identify and evaluate evidence that may indicate any Recognized Environmental Conditions (REC's) at the Site due to past or current management of chemicals or other materials that, if released or not properly controlled, could present a risk to human health or the environment.

Under CERCLA, owners and operators of real estate with hazardous substance contamination may be held strictly liable for the costs of cleaning up contamination found on their property. No evidence linking the owner/operator with the placement of the hazardous substances on the property is required.

Congress, in response to pressure from business and academic groups, established the “innocent landowner defense” in the 1986 amendments to CERCLA known as the Superfund Amendments and Reauthorization Act (SARA). To establish innocent landowner status, the landowner “must have undertaken, at the time of acquisition, all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial and customary practice in an effort to minimize liability.”

In an effort to clarify what constitutes “all appropriate inquiry,” the American Society for Testing and Materials (ASTM) has developed a standard that provides specific definition of the steps one should take when conducting a “due diligence” Phase I ESA for commercial real estate. The site assessment documented herein complies with the current ASTM E1527-13 Standard Practice for Environmental Site Assessments.

ASTM E-1527-13 defines three categories of RECs which may impact the project site.

- A REC is defined as the presence of any hazardous substance or petroleum product in, on, or at the property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment, or 3) under conditions that pose a material threat of a future release to the environment
- Historical RECs (H-RECs) are defined as a past release of any hazardous substance or petroleum product that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authorities or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls
- Controlled RECs (C-RECs) are defined as a REC resulting from a past release that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place, subject to the implementation of required controls, such as property use restrictions, activity and use limitations, institutional controls, or engineering controls

ERA defines an environmental concern as the presence of any hazardous substance or petroleum product in, on, or at the property under conditions that pose a threat of a future release or are indicative of a minor release to the environment. Minor is defined as less than 25-gallons of petroleum or an amount of hazardous material that is below the release reporting requirements of the local, state and federal agencies.

Additionally, the United States Environmental Protection Agency (USEPA) has also published its final rule setting federal standards for the conduct of all appropriate inquiries. This rule establishes specific regulatory requirements for conducting all appropriate inquiries into previous ownership, uses, and environmental conditions of a property. As of November 1, 2006, parties must comply with either the requirements of the All Appropriate Inquiries Final Rule or the standards set forth in the ASTM E1527-13 Phase I Environmental Site Assessment Process. All appropriate inquiries must be conducted in compliance with either of these standards in order to obtain protection from potential liability under CERCLA as an innocent landowner, a contiguous property owner, or a bona fide prospective purchaser. This site assessment complies with both the current ASTM E1527-13 Standard Practice for Environmental Site Assessments and the USEPA All Appropriate Inquiries Rule.

## **1.2 SCOPE**

The scope of services for this Phase I ESA consisted of the following tasks:



- Reviewing historical aerial photographs, information of past ownership, and conducting discussions with knowledgeable persons to evaluate historical land use.
- Assessing general conditions at the Site including a general geology and hydrogeology evaluation.
- A reconnaissance visit to the Site to evaluate visual evidence of past or current practices that may have impacted the Site.
- Reviewing local, state, and federal agency lists and available files of reported hazardous waste sites and hazardous substance/petroleum sources and releases. ERA queried the Environmental Data Resources, Inc. (EDR) database which provides comprehensive federal and state environmental release listings. The EDR database provides results in proximity to the Site following ASTM search distance guidelines.
- Providing a summary of findings and recommendations for the Site.
- Providing a summary of the limitations of this assessment.

### **1.3 SITE LOCATION**

The Site is located between Hardy Street and Oxford Street along Kuhio Highway in the town of Lihue, Hawaii. The Site does not have a designated Tax Map Key (TMK) on the County of Kauai Real Property Assessment website. A map displaying the location of the Site is included as Figure 1. Figure 2 depicts the Site location and the surrounding TMK boundaries.

### **1.4 CURRENT USE OF THE SUBJECT PROPERTY**

The Site is currently used as a state highway. The land is developed and paved.

### **1.5 CURRENT USE OF ADJACENT PROPERTIES**

Adjoining properties were observed from public access areas for signs of RECs and evaluated for their potential to pose an environmental risk to the subject property. The uses and features of adjoining properties are provided below:

<b>North:</b>	A mix of residential structures and commercial structures including Walmart and Wilcox Medical Center.
<b>South:</b>	The Lihue Civic Center building is located directly south of the Site. Further south is a mix of other residential/commercial structures.
<b>East:</b>	A mix of residential structures and commercial structures including restaurants, banks, and gas stations.
<b>West:</b>	A mix of residential structures and commercial structures including restaurants, gas stations, and a fabric warehouse.




PROJECT NAME:  
 Phase I Environmental Site Assessment  
 Hardy-Oxford Waterline, Kuhio Highway  
 Lihue, Kauai, Hawaii

FIGURE TITLE:  
 Site Location Map

FIGURE NUMBER:  
 1



0 500 1,000 2,000 3,000 Feet

	<b>PROJECT NAME:</b> Phase I Environmental Site Assessment Hardy-Oxford Waterline, Kuhio Highway Lihue, Kauai, Hawaii	<b>FIGURE TITLE:</b> TMK Map
		<b>FIGURE NUMBER:</b> 2

## **SECTION 2: HISTORICAL LAND USE**

Research regarding historical land use was conducted to determine, to the extent practicable, if past or current practices involving the use, storage, treatment, generation, and/or disposal of hazardous substances or petroleum products may have taken place at the Site or if releases on properties in the surrounding area may have impacted the Site. Research on historical land use was accomplished by examining the following sources: historical information sources, historical aerial photographs, land lease and land ownership records, and reports from previous investigations that may have been conducted at the Site. In addition, first hand interviews were conducted with persons who are knowledgeable about the Site.

### **2.1 HISTORICAL INFORMATION SOURCES**

ERA queried the EDR database to obtain information about federal and state environmental release listings. The EDR database provides results in proximity to the Site following ASTM search distance guidelines (indicated in Section 5) and is continually updated. EDR provided the Sanborn Fire Insurance maps, historical city records, and historical topographic maps reviewed in this Section. Results of the EDR database search are provided in Section 5 of this report. Other historical information sources queried include aerial photographs and environmental records reviewed through the State of Hawaii, Department of Health (HDOH).

### **2.2 HISTORICAL AERIAL PHOTOGRAPHS**

Historical aerial photographs were reviewed to help determine the past use of the Site, as well as adjacent properties. Aerial photographs for the years 1951, 1959, 1960, 1975, 1978, and 1992 were obtained from EDR historical aerial maps (EDR, 2020a). In addition, a 2020 aerial photograph was obtained from Google Earth Pro.

Based on a review of historical aerial and Google Earth Pro photographs spanning 1951 to 2020 depict the Site was developed as a road since 1951, the earliest photograph available. No ASTM defined RECs were noted from review of the historical aerial photographs.

Copies of the aerial photographs are available in Appendix B. Brief descriptions of these photographs are presented below:

<b>1951</b>	<p>Site: The 1951 aerial photograph shows the Site in an area, which appears to be developed. The Site is a paved and functional road. The southern-most portion of the road appears with a different configuration to existing conditions.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed, with residential development to the east, south, and west, and farmland and commercial buildings to the north.</p>
<b>1959</b>	<p>Site: The 1959 aerial photograph shows the Site in an area which appears to be developed, similar to the 1951 photograph.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north.</p>
<b>1960</b>	<p>Site: The 1960 aerial photograph shows the Site in an area which appears to be developed, similar to the 1959 photograph.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north.</p>
<b>1975</b>	<p>Site: The 1975 aerial photograph shows the Site in an area which appears to be developed similar to the 1960 aerial photograph. The southern-most portion of the road appears similar in configuration to the road as it exists currently.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north. Due to the low resolution</p>

	<p>of the photograph, nature and use of the adjoining properties could not be discerned.</p>
<b>1978</b>	<p>Site: The 1978 aerial photograph shows the Site in an area which appears to be developed similar to the 1970 aerial photograph.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north.</p>
<b>1992</b>	<p>Site: The 1992 aerial photograph shows the Site in an area which appears to be developed similar to the 1978 aerial photograph.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north. A new development is observed to the south of Poinciana Street.</p>
<b>2020</b>	<p>Site: The 2020 aerial photograph shows the Site in an area which appears to be developed similar to as exists currently.</p> <p>Adjacent Properties: The vicinity of the Site appears to be developed with residential development to the north, south, east, and west, with farmland to the north.</p>

### **2.3 EDR SUPPLEMENTAL SEARCH OF SANBORN FIRE INSURANCE MAPS**

The EDR database was queried for Sanborn Fire Insurance Maps which document historical property use. The EDR database located Sanborn maps for the years 1927, 1945, 1975, 1980, and 1990 (EDR, 2020b). The Sanborn maps provided only display the southern-most portion of the Site. Following are descriptions of the maps.

<b>1927</b>	<p>Site: The 1927 Sanborn map has the site partially developed. The Site is labeled as Government Road.</p> <p>Adjacent Properties: Adjacent properties appear partially developed and both commercial and residential in nature. A sugar mill/plantation and cannery is listed adjacent to the Site. A Garage, Auto Sales, Auto Repair is located adjacent to the Site.</p>
<b>1945</b>	<p>Site: The 1945 Sanborn map depicts the Site as developed. The Site is labeled as Government Road.</p> <p>Adjacent Properties: Adjacent properties appear developed and both commercial and residential in nature. The area previously labeled as Garage, Auto Sales, and Auto Repair is now labeled as Garden Isle Motors Ltd. Several new commercial properties are located on the southern portion of the Site, including one Gas &amp; Oils and Auto Repair Facility</p>
<b>1975</b>	<p>Site: The 1975 Sanborn map depicts the Site as developed similar to as it exists today. It is now labeled as Kuhio Highway.</p> <p>Adjacent Properties: Adjacent properties appear developed and both commercial and residential in nature. The Lihue Civic Center is now visible. The Lihue Plantation – Sugar Mill is no longer visible. Garden Island Motors Ltd. is still visible. One additional Gas &amp; Oils facility is located to the west of the Site.</p>



<b>1980</b>	<p>Site: The 1980 Sanborn map depicts the Site as developed, similar to the 1975 map.</p> <p>Adjacent Properties: Adjacent properties appear developed and both commercial and residential in nature similar to the 1975 Sanborn Map.</p>
<b>1990</b>	<p>Site: The 1990 Sanborn map depicts the Site as developed, similar to the 1980 map.</p> <p>Adjacent Properties: Adjacent properties appear developed and both commercial and residential in nature. Due to the low resolution of the map, the listings are not visible. Garden Island Motors Ltd. and the additional Gas &amp; Oils facility to the west of the Site are no longer visible.</p>

**2.4 EDR CITY DIRECTORY ABSTRACT**

EDR City Directory Abstracts identify historic usage of subject and adjoining properties. The City Directory Abstract is presented in Appendix C. Listings for the Site in Lihue, Hawaii were found for the years 1992, 1995, 2000, 2005, 2010, 2014, and 2017. The 2017-1992 City Directories identify primarily residential listings on Hardy Oxford Waterline, Kuhio Highway. Businesses presented in the City Directory are listed below (EDR, 2020c).

<b>2017</b>	<p>Enterprise RentACar, Amerigas, Speedie Lube, Aloha Petroleum, Shell (2), Auto Stylin &amp; Performance, Fox RentACar, ASI Raceway, HAMCO Glass &amp; Glazing LLC, Island Metals Inc, Morales Auto Workshop, Volvo, and Plaza Laundry.</p>
<b>2014</b>	<p>Wilcox Memorial Hospital, Speedie Lube, Aloha Petroleum, Chevron Station Lihue, Auto Stylin &amp; Performance, ASI Raceway, HAMCO glass &amp; Glazing LLC, and Morales Auto Workshop.</p>

<b>2010</b>	Plaza Laundry, Pennzoil Lubricants Kauai, Chevron Hawaii, Auto Stylin & Performance, ASI Raceway, Morales Auto Workshop, Poipu Farms Packing House, and Firestone Complete Autocare.
<b>2005</b>	Silvas Ken Auto Body Shop, ASI Raceway, and Plaza Laundry.
<b>2000</b>	Speedie Lube, Lihue Shell, Squyres will Helicopter Service, Andy's Auto Body, and Silva's Ken Auto Body Shop.
<b>1995</b>	Speedie Lube, Classic Auto Works, Hawaii Glass Tinting, Ken Silva's Auto Body Shop, and Plaza Laundry.
<b>1992</b>	Mercantile Printing Co LTD., Tongg Publishing Co LTD, and Nalco Chemical Company
<b>1982</b>	All residential listings.

## 2.5 EDR HISTORICAL TOPOGRAPHIC MAPS

EDR Historical Topographic Maps track changing land use and development patterns of subject and adjoining properties. Historical Topographic Maps are presented in Appendix C (EDR, 2020d). Following are the observations made of listings provided for the years 1910, 1963, 1983, 1996, and 2013 (most current year available). No ASTM defined RECs were noted from the review of the historic topographic maps.

<b>1910</b>	The site appears to be a road. A railroad is observed intersecting the Site. Structures are observed adjacent to the northern portion of the Site. Hanamaulu is located approximately 1.5 miles northeast of the Site.
<b>1963</b>	Hanamaulu is still listed. The vicinity of the Site is developed with structures surrounding the Site. Three (3) cemeteries are located <0.25 miles west; Lihue Park is located 0.25 miles east; Wilcox School is located 0.25 miles east; Pua Loke is located <0.5 miles

	<p>south; a hydroseparator is located &lt;0.5 miles northeast; Immaculate Conception School is located &lt; 0.5 miles north; Isenberg Field is located &lt; 0.5 miles; Wilcox Memorial Hospital is located &lt; 0.5 miles north; a water tunnel is located &lt; 1 mile west; a well is located &lt; 1 mile northeast; Kupolo is located &lt; 1 miles southeast; De Mello Reservation is located &lt; 1.5 miles northwest; Nawiliwili is located &lt; 1.5 miles southeast; Kauai Tech School is located &lt; 1.5 miles southeast; Kauai High School is located &lt; 1.5 miles southeast; and Kalapaki Beach is located 1.5 miles southeast of the Site.</p>
<b>1983</b>	<p>The Site appears developed similar to the 1963 topographic map. The southern portion of the Site appears to follow the road as it exists currently. Wilcox School, Wilcox Memorial Hospital, Immaculate Conception School, Isenberg Park, the hydroseparator, the cemeteries, Pua Loke, De Mello Reservation, the water tunnel, Kauai High School, and Kalapaki Beach are still listed. A tank is located &lt; 0.25 miles north; a radio station is located &lt; 0.5 miles east; Lau Kona Park is located &lt; 0.5 miles north; a shopping center is located &lt; 1 mile southwest; Vidinha Stadium is located &lt; 1 mile southeast; Kauai Memorial Gardens is located &lt; 1 mile north; a heliport is located &lt; 1.5 miles south east; a reservoir is located &lt; 1.5 miles west; and Kalepa Well is located &lt; 1.5 miles north of the Site.</p>
<b>1996</b>	<p>No structures are presented on the 1996 topographic map. Wilcox Memorial Hospital, Isenberg Park, Lao Kona Park, the hydroseparator, Kauai Memorial Gardens, the heliport, the cemeteries, Kalepa well, Pua Loke, and Kalepa Beach are still listed. A well has replaced the reservoir to the west of the Site. Another heliport is now located &lt;1.5 miles east of the Site.</p>
<b>2013</b>	<p>No structures are presented on the 2013 topographic map. The 2013 mostly lists street names, but still lists Kalapaki Beach and De Mello</p>

	Reservoir. Kauai Lagoon Golf Course is listed 1.5 miles northeast of the Site.
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## 2.6 TIER ONE VAPOR ENCROACHMENT SCREENING (VES)

According to the EDR Vapor Encroachment Screening (EDR, 2020f), the target property was identified in databases searched and summarized below. None of these records are determined to be of environmental concern to the subject Site.

- Dollar Rent-A-Car is listed in the FINDS database.
- Speedie Lube of HI Inc is listed in the FINDS database.
- Chevron 97619 is listed in the FINDS and ECHO databases.
- Wilcox Memorial Hospital is listed in the AIRS database.
- Walmart-Lihue Store is listed in the FINDS database.
- Lydgate Park – Kapaa Phase C (POR.) & D Bike/pedes is listed in the FINDS and ECHO databases.
- Lihue Shell is listed in the LUST and FINANCIAL ASSURANCE databases.
- Kuhio Highway Poinciana Street is listed in the SPILLS database.
- Lihue Shell SVC is listed in the ICIS, FINDS, and ECHO databases.
- IES Retail Kuhio Highway is listed in the RCRA-VSQG database.
- A Step Forward is listed in the FINDS and ECHO database.
- Wilcox Memorial Hospital is listed in the PRCRA-VSQG, FINDS, and ECHO databases.
- Clinical Laboratories of Hawaii is listed in the FINDS and ECHO databases.
- Paradise SVC STA is listed in the ICIS, FINDS, and ECHO databases.
- Aloha Petroleum: Lihue Station is listed in the RCRA-VSQG database.
- 76 Paradise #412 is listed in the LUST, UST, and FINANCIAL ASSURANCE databases.
- Gary's Service Station is listed in the SHWS, INST CONTROL, and SPILLS database.
- AMFAC Distribution Hawaii Inc. is listed in the UST database.
- IES Retail Kuhio Highway is listed in the LUST, UST, and FINANCIAL ASSURANCE databases.

- An unnamed location, located at 3137 Kuhio Highway, is listed in the FEMA UST database.
- Speedie Lube of HI Inc is listed in the RCRA NONGEN / NLR, FINDS, ECHO, and HAZNET databases.
- T&H Service LTD\* is listed in the EDR HIST AUTO database.
- Paradise Service is listed in the EDR HIST AUTO database.
- Hale Pumehana, Inc. Is listed in the UST database.
- Tip Top Café & Bakery, Inc. is listed in the UST database.
- Kauai Pant and Jalousie, Inc. is listed in the UST database.
- Dollar Rent-A-Car is listed in the UST database.
- County of Kauai Waimea WWTP is listed in the LUST and UST databases.
- Lihue Office is listed in the SHWS and SPILLS database.
- Lihue Central Office is listed in the LUST, UST, and FINANCIAL ASSURANCE databases.
- Residence of K. & F. Sasaki is listed in the UST database.
- United AGRI Products Hawaii Kauai is listed in RPRA NONGEN/NLR, FINDS, and ECHO databases.
- Up to Date Cleaners Kauai Inc. is listed in the EDR HIST CLEANERS database.
- Walmart #2308 is listed in the RCRA-VSQG database.
- County of Kauai Lihue Treatment Plant is listed in the LUST and UST databases.
- Rice Street Chevron is listed in the LUST, UST, RCRA-VSQG, and Financial Assurance databases.
- Vector Control Branch is listed in the RCRA NONGEN / NLR, FINDS, and ECHO databases.
- Lihue Police Station is listed in the LUST and UST databases.
- Kauai Sugar Storage Co. is listed in the RCRA NONGEN / NLR, FINDS, and ECHO databases.
- Lihue Plantation Company, LTD. is listed in the SEMS-ARCHIVE database.
- Jack Wada Electric, Inc. is listed in the LUST and UST databases.
- Lihue Plantation CO, LTD. Is listed in the SHWS and BROWNSFIELDS databases.

- Lihue Plantation Co. LTD. – Lihue Sugar Mill and PO is listed in the SHWS and BROWNSFIELDS databases.
- Lihue Plantation Sugar Mill is listed in the US BROWNSFIELDS and RCRA-SQG databases.
- Lihue Plantation Co. LTD is listed in the LUST and UST databases.
- Elima Road Soil Stockpile is listed in the SHWS and SPILLS databases.
- Kauai County Lihue DPW Base Yard is listed in the LUST, UST, and FINANCIAL ASSURANCE databases.
- Koamalu Plantation LLC Condominium LLC Condominium is listed in the SHWS database.
- Kauai Beverage & Ice Cream Co. is listed in the SHWS, UST, and FINANCIAL ASSURANCE databases.

## **2.7 LAND LEASES AND OWNERSHIP**

The Hardy Oxford Waterline is located along Kuhio Highway, which is a state highway operated by the Hawaii Department of Transportation, Highways Division. There is no TMK for this Site.

## **2.8 PREVIOUS INVESTIGATIONS**

Hawaii Department of Transportation, Highways Division, stated that there are no known previous investigations regarding the Site.

## **2.9 INTERVIEWS**

ERA conducted an interview with persons who are knowledgeable about the Site. The objective of these interviews was to ascertain any information that may be indicative of potential RECs in connection with the Site. According to ASTM Standard E1527-13 Section 3.2.43, questions should be addressed to *past and present* owners, operators, and occupants of the Site, as well as local government officials.

### **Summary of Interview**

A Phase I ESA Questionnaire was provided to Mr. Fred Reyes, P.E. CE IV at Hawaii Department of Transportation (HDOT) – Highways Division, Kauai. The questionnaire was filled out and

returned on June 4, 2020. The completed questionnaire is provided in Appendix D. The following is a summary of the answers he provided in the questionnaire:

Mr. Reyes had no knowledge of any environmental liens filed against the property, nor was aware of any activity use limitations for the property. When asked if he knows the past uses of the property, Mr. Reyes stated the Kuhio Highway right-of-way (ROW) in this segment is an active high-volume vehicular transportation corridor. This ROW is immediately adjacent to a variety of retail establishments and several County roads, as well as an intersecting State route - Ahukini Road.

When asked if he knows of specific chemicals that are present or once were present at the property, Mr. Reyes claimed he only knows that during its original construction and subsequent improvement and resurfacing projects spanning many decades, common road construction materials are utilized - namely asphalt pavement, bituminous tack coat, and portland cement concrete. He also added that chemicals emitted from passing vehicles include: exhaust fumes from gasoline and diesel engines, and drippings from oil pans, fuel lines/tanks, coolant lines/radiators, brake fluid, and the like. Mr. Reyes also added that active-use sanitary sewer lines are present, however he is not aware of any sewage leaks within this segment.

Mr. Reyes was not aware of any environmental spills or releases that took place within the subject property. He inquired with HDOT's Maintenance Engineer and stated the Maintenance Engineer also doesn't recall any incidents of this type. He also mentioned that adjacent to the ROW are several gas stations, restaurants and a former automobile lubricant facility. He stated gasoline and diesel fuel are presumably stored at several gas stations. Grease traps are presumably in use in larger restaurants.

When asked if the purchase price being paid for the subject property reasonably reflects the fair market value of the property, Mr. Reyes stated that the State highway ROW is not for sale and added that should the Department of Water, County of Kauai seek to purchase a utility easement, and/or to enter into a Use & Occupancy Agreement with the State, he has not been apprised of pending activity, nor of any fair market value.

Mr. Reyes concluded by saying when the highway has experienced heavy rains, he has observed small oil spots in the traffic lanes, but no obvious indicators of presence of contamination at the property.

#### **2.10 RECORDS REVIEW**

The target property address submitted to EDR was not listed in any databases searched by EDR.

Seven (7) State Hazardous Waste Sites (SHWS) were listed within a 1-mile radius of the subject Site. Twelve (12) Leaking Underground Storage Tank (LUST) sites were listed with releases within a ½-mile radius of the subject Site. Lihue Shell, IES Retail Kuhio, 76 Paradise #412, Lihue Central Office, Rice Street Chevron, Gary's Service Station, Koamalu Plantation LLC, Lihue Plantation Company, and Lihue Plantation Company – Sugar Mill and Power Plant records were obtained from the HDOH and further discussed in section 5.2.2.

#### **2.11 ENVIRONMENTAL LIENS OR ACTIVITY USE LIMITATIONS**

ERA inquired with HDOT – Highways Division regarding any environmental liens or activity use limitations associated with the Site. HDOT – Highways Division stated they were not aware of any environmental liens or activity use limitations associated with the Site.

#### **2.12 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES**

The Hardy Oxford Waterline Site is a state highway and does not have a TMK. There is no valuation for the Site.



### **SECTION 3: SITE CONDITIONS**

The subject property is situated in Lihue on the island of Kauai. The following section describes the Site with regards to soil classifications, groundwater hydrology, topography and land cover and local zoning.

#### **3.1 SOIL CLASSIFICATIONS**

The United States Department of Agriculture (USDA) Soil Conservation Service classifies the soil within the Site as Lihue silty clay (LhB) and rough broken land (rRR). LhB, with sloped ranging from 0 to 8 percent, is described as well drained with low runoff, prime for farmland if irrigated. LhB belongs to hydrologic soil group C. The typical soil profile is silty clay from 0 to 60 inches with a depth to water table than 80 inches. rRR is well drained with very high runoff, not prime for farmland. rRR belongs to hydrologic soil group C. The typical soil profile is silty clay loam from 0 to 8 inches, silty clay from 8 to 30 inches, from 30 to 60 inches it becomes bedrock with a depth to groundwater table greater than 80 inches (USDA, 2020).

#### **3.2 GROUNDWATER HYDROLOGY**

The Site overlies the Hanamaulu Aquifer System of the Lihue Aquifer Sector. The upper aquifer is classified as a basal, unconfined, flank aquifer with fresh water (less than 250 milligrams per liter [mg/l] chloride [Cl]). The aquifer has potential use for drinking water and is irreplaceable with high vulnerability to contamination. The underlying aquifer is classified as a basal, confined, dike aquifer with fresh water (less than 250 mg/l Cl). This confined aquifer has potential use for drinking water purposes and is irreplaceable with moderate vulnerability to contamination (Mink and Lau, 1990).

According to the EDR report, there are three (3) United States Geological Survey (USGS) wells and one (1) Federal FRDS Public Water Supply System well within a 1-mile radius of the Site. In addition, there are three (3) water wells were identified in the State Database Well Information located within a 1-mile radius of the subject property (EDR, 2020e). The Site is upgradient of the Underground Injection Control (UIC) line (Figure 3) as such; the underlying aquifer is considered

a potable drinking water source and permit limitations governing the use of these waters are less stringent than for drinking water aquifers.

### **3.3 TOPOGRAPHY AND LAND COVER**

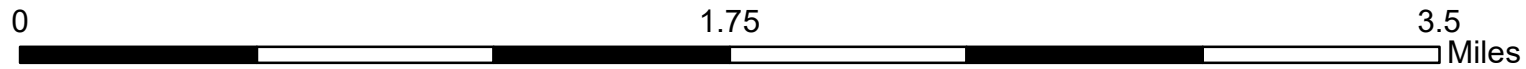
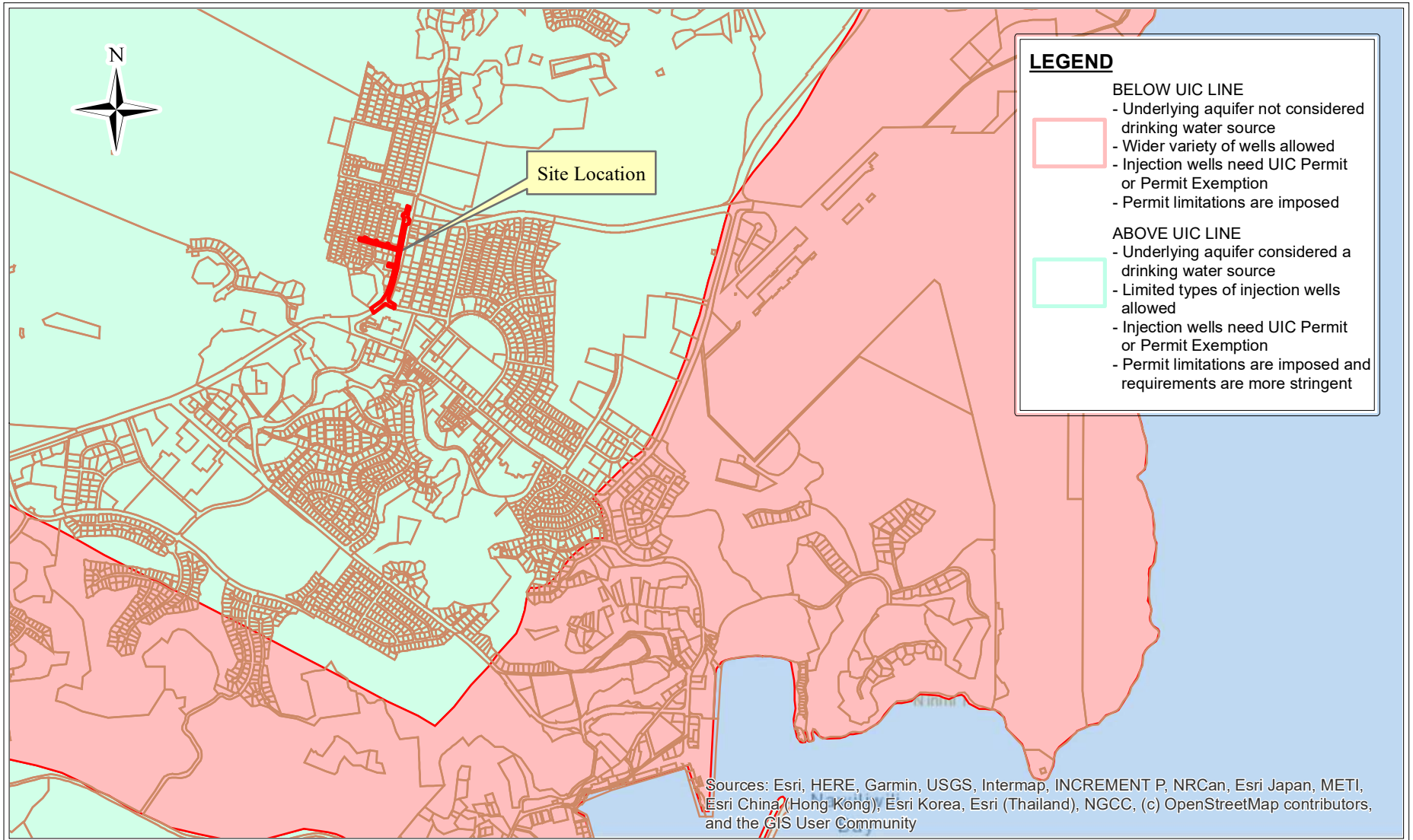
According to the USGS, Honolulu, Hawaii, 7.5-minute topographic quadrangle map, the subject property elevation is approximately 211-feet above mean sea level (msl).


### **3.4 LOCAL ZONING**

The Kauai County, Department of Permitting and Planning, Land Use Ordinance Zoning Designation for the Site is OP. Zone OP designation is described as a government owned non-taxable parcel. The Site is not located in a Special District or Special Management Area.

### **3.5 FLOOD ZONE DETERMINATION**

The Federal Emergency Management Agency (FEMA) flood insurance rate map (FIRM:1500020326F, effective on 11/26/2010), was reviewed. The subject properties are within Flood Zone X, an area of unknown but assumed to be minimal flood hazard.



	<b>PROJECT NAME:</b> Phase I Environmental Site Assessment Hardy-Oxford Waterline, Kuhio Highway Lihue, Kauai, Hawaii	<b>FIGURE TITLE:</b> Underground Injection Control Map
		<b>FIGURE NUMBER:</b> 3

## **SECTION 4: SITE RECONNAISSANCE**

The purpose of the site reconnaissance was to visually assess for evidence of the use, storage, generation and disposal of potentially hazardous substances and petroleum products, and/or indicators of possible releases of hazardous substances and/or petroleum products at the Site. Evidence of possible releases of hazardous substances or petroleum products include discolored soil, flooring, or paving; visible leaks; odors; and apparent stressed vegetation. A visual survey of adjacent properties from public thoroughfares was also conducted. Mr. Max Ulloa of ERA conducted the Site walk on May 26, 2020. The following sections present general observations of the Site and the surrounding area, a description of PCB-containing equipment, asbestos-containing building materials (ACBM), and lead containing paint (LCP) and arsenic findings at the Site.

### **4.1 GENERAL OBSERVATIONS OF THE SITE**

There was no visual evidence of large-scale pavement staining, illegal dumping, or ponding water during the Site reconnaissance. Photos of the Site as it appeared on May 26, 2020 are provided in Appendix E.

#### General

The Site, as of May 26, 2020 was completely paved and developed. The site reconnaissance began at the Lihue Civic Center, at the intersection of Kuhio Highway and Hardy Street. The Lihue Civic Center consists of approximately 10.2 acres of land, including two (2) structures and the paved parking lot. The inspection continued north along Kuhio Highway to Kali Road. No vegetation was observed. No staining was observed on the ground. A 76 gas station was observed at the intersection of Kuhio Highway and Kali Road. Kali Road (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The inspection then continued north along Kuhio Highway to Poinciana Street. A Shell gas station was observed across the highway from Poinciana Street. A Texaco gas station was observed at the intersection of Poinciana Street and Kuhio Highway. Poinciana Street (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The intersections of Poinciana Street with Nakamura Street, Jerves Street, and Hiraoka Street were also observed to be free of stains, waste, or ponding water. The inspection continued north along Kuhio Highway to the intersection of Kuhio Highway with Oxford Street and Ahukini Road. The intersection was observed to be free of stains, waste, or ponding water. The northernmost section of Kuhio Highway (within the

Site boundaries) was also observed to be free of stains, waste, or ponding water. No unnatural fill areas were observed throughout the site inspection.

The Site was observed to slope south to north. According to EDR, the subject property lies between a minimum elevation of 200-feet above mean sea level (AMSL) and a maximum elevation of 220-feet AMSL. The Site is located above (mountainside) of the UIC Line established by HDOH, therefore; the underlying aquifer is considered a drinking water source and there are limited types of injection wells allowed. No drinking water supply wells were observed on the subject property. Based on the geographical features of the island and the 7.5-minute USGS topographic maps provided by EDR, groundwater flow is assumed to flow east from the mountains to the ocean. According to the EDR Lightbox Tool, groundwater is assumed to flow southwest, assuming the water flow is tidally influenced.

During the reconnaissance of the Site, ERA did not observe any staining. No tanks, wells, or signs of chemicals used on the Site were observed. No indications of current or historical chemical use or storage were observed, and no indications of current or historical petroleum or hazardous materials use, spills, or storage were noted. Additionally, no unusual odors, pools of liquid, aboveground storage tanks (ASTs)/USTs, drums/unidentified containers were observed.

#### **4.2 GENERAL OBSERVATIONS OF THE SURROUNDING AREA**

ERA visually assessed areas adjacent to the Site from public thoroughfares. The surrounding area mostly consisted of commercial businesses, including government offices, restaurants, and gas stations. Adjoining the Site to the south is the Lihue Civic Center, which consists of two (2) structures and a paved parking lot. No large-scale ground staining was observed in this area. Along Kuhio Highway, the subject Site is bounded east by a mixture of fast-food and dine-in restaurants, health clinics, grocery stores, a clothing store, and a Shell gas station. No large-scale ground staining was observed. The subject Site is bounded to the west by a mixture of fast-food restaurants; including, McDonalds, Pizza Hut, and Kentucky Fried Chicken; a giftshop, The Garden Island Newspaper, a 76 and a Texaco gas station, and a fabric store. The subject Site is bounded to the north by Kuhio Highway, Ehiku Street, and a mixture of commercial and residential structures. No large-scale ground staining was observed.

### **4.3 PCB-CONTAINING EQUIPMENT**

Electrical transformers may contain PCBs. All untested mineral oil transformers purchased prior to July 1, 1979, must be considered PCB-contaminated. ERA observed forty-three (43) pole-mounted transformers (PMTs) adjacent to the Site. Twenty-five (25) PMTs were observed along Kuhio Highway, nine (9) PMTs were observed on Poinciana Street, six (6) PMTs were observed at the intersection of Akahi Street and Hardy Street, and three (3) PMTs were observed on Akahi Street. Kauai Island Utility Corporate (KIUC) was queried regarding the PCB status of the transformers. No response was received from Kauai Island Utility Cooperative. Unless records are obtained of the purchase date or testing, these transformers should be considered potentially PCB containing. No releases were observed with any of the transformers during the site reconnaissance, however, future leaks or releases from these transformers may impact the subject Site.

### **4.4 ASBESTOS-CONTAINING MATERIAL AND LEAD PAINT**

ACBM and LCP are not considered to be RECs as defined by ASTM but can pose potential health hazards. ERA did not observe any structures, nor was there evidence of structures based on historical aerial photographs. Subsurface utilities or other concrete structures may contain asbestos. Paint striping may contain lead. A hazardous materials survey should be conducted if demolition is anticipated to occur.

### **4.5 ARSENIC**

ERA did not observe any possible arsenic containing building materials (e.g., canec ceiling tiles) at the Site during the reconnaissance. If found during future construction or remodeling these materials should be tested for the presence of arsenic.

## **SECTION 5: REVIEW OF FEDERAL, STATE, AND LOCAL LISTS AND AVAILABLE FILES OF REPORTED HAZARDOUS SUBSTANCE/PETROLEUM PRODUCT SOURCES AND RELEASES**

This section includes results of a review of federal, state, and local lists and available files of reported hazardous waste sites and hazardous substance/petroleum product sources and releases. The EDR database provided the federal and state environmental release listings (EDR, 2020e). This information is provided in Appendix C and is summarized below.

### **5.1 DATABASES AND REGULATORY FILES REVIEWED**

A list of the Federal Sources and Hawai'i State Regional databases reviewed is provided below. These databases were reviewed to document the location of federal and state listed sites, or other known hazardous waste sites, following ASTM search distance guidelines. The ASTM search distance guidelines are provided in parenthesis.

#### *Standard Environmental Record Sources*

- SEMS-ARCHIVE List (½-mile)
- Federal RCRA – small quantity generators (RCRA-SQG) (¼-mile)
- State Hazardous Waste Sites List (1-mile)
- HDOH LUST Database (½-mile)
- HDOH Registered UST Database (property and adjoining properties) (¼-mile)
- State Sites with Institutional Controls (INST CONTROL) (property only) (½-mile)
- Voluntary Remediation Program and Brownfields Sites with Institutional Controls (½-mile)

The following standard environmental record sources were reviewed by EDR, however there were no findings within the ASTM specified search distances. The following databases are provided for reference, but not further discussed in this report:

- RCRA Corrective Action Activity (CORRACTS) List (1-mile)
- RCRA-TSDF List (1/2-mile)

- Federal RCRA – large quantity generators (RCRA-LQG) (property and adjoining properties)
- Federal RCRA – conditionally exempt small quantity generators (RCRA-CESQG) (property and adjoining properties) (¼-mile)
- Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) (½-mile)
- Federal National Priorities List (NPL) (1-mile)
- Federal Delisted NPL List (½-mile)
- Federal Engineering Controls Sites (property only)
- Federal Sites with Institutional Controls (property only)
- Federal Emergency Response Notification System (property only)
- State Voluntary Response Program Sites (½-mile)
- State facilities permitted as solid waste landfills, incinerators, or transfer stations (½-mile)
- Permitted Landfills in the State of Hawai‘i (½-mile)
- Leaking Underground Storage on Indian Land (½-mile)
- Underground Storage on Indian Land (½-mile)

#### *Additional Environmental Record Sources*

The following additional environmental record sources were reviewed by EDR and findings from the search are detailed in Section 5.2.

- RCRA Non-Gen Facilities
- Facility Index System/Facility Identification Initiative Program Summary Report (FINDS)
- Integrated Compliance Information System State List of Permitted Facilities Permitted Drycleaner Facility Listing (ICIS)
- EPA Listing of Brownfields Properties
- ECHO
- US Historical Cleaners (¼-mile)
- US Historical Auto Sites (¼-mile)

The following additional environmental records sources were reviewed by EDR, however there were no findings within the ASTM specified search distances. The following databases are provided for reference, but not further discussed in this report:

- FUDS list
- Unmapped Sites
- Department of Defense Sites (DOD)
- Biennial Reporting System



- Formerly Used Defense Sites
- Superfund CERCLA Consent Decrees
- CERCLA Lien Information
- Records of Decision
- Uranium Mill Tailing Sites
- Hazardous Materials Information Reporting System
- Material Licensing Tracking System
- PCB Activity Database System
- Storm Water General Permits
- RCRA Administrative Action Tracking System
- Toxic Chemical Release Inventory System
- Toxic Substances Control Act
- Federal Insecticide, Fungicide, and Rodenticide Act /Toxic Substances Control Act
- Section 7 Tracking Systems
- Open Dump Inventory
- Clandestine Drug Labs
- Incident and Accident Data
- Radiation Information Database
- Federal Insecticide, Fungicide, and Rodenticide Act/ Toxic Substances Control Act Tracking System Administrative Case Listing
- Land Use Control Information System
- Indian Reservations
- Mines Master Index File
- State Brownfields Sites (½-mile)
- EDR Proprietary Manufactured Gas Plants

## **5.2 RESULTS OF DATABASE REVIEW AND REGULATORY AGENCY CONTACTS**

This section provides a summary of results for all database searches conducted during this assessment. ERA does not consider any of the EDR results discussed below as RECs for the Site.

Section 5.2.1 provides results specifically for the Site and Section 5.2.2 provides results found for properties within the vicinity of the Site.

### **5.2.1 RESULTS FOR SUBJECT SITE**

The target property address submitted to EDR was not listed in any of the reviewed databases searched by EDR.

### **5.2.2 RESULTS FOR PROPERTIES WITHIN THE VICINITY OF THE SUBJECT SITE**

ASTM proximity search guidelines were used to designate properties for evaluation and review. Properties were listed in the vicinity of the Site in the following databases and reviewed for potential impacts which could contribute to a REC at the Site:

#### *Standard Environmental Record Sources*

- SEMS-ARCHIVE List (1/2-mile)
- Federal RCRA – small quantity generators (RCRA-SQG) (1/4-mile)
- State Hazardous Waste Sites List (1-mile)
- HDOH LUST Database (1/2-mile)
- HDOH Registered UST Database (property and adjoining properties) (1/4-mile)
- State Sites with Institutional Controls (INST CONTROL) (property only) (1/2-mile)
- Voluntary Remediation Program and Brownfields Sites with Institutional Controls (1/2-mile)

#### *Additional Environmental Record Sources*

- RCRA Non-Gen Facilities
- Facility Index System/Facility Identification Initiative Program Summary Report (FINDS)
- Integrated Compliance Information System State List of Permitted Facilities Permitted Drycleaner Facility Listing (ICIS)
- EPA Listing of Brownfields Properties
- ECHO
- US Historical Cleaners (1/4-mile)
- US Historical Auto Sites (1/4-mile)

The following additional environmental record sources were found within the ASTM specified search distances that have the potential impact to contribute to a REC at the Site.

Potential environmental conditions at adjacent properties located within the vicinity of the Site are summarized below.

### *Standard Environmental Record Sources*

#### SEMS-Archive

A review of the SEMS (Superfund Enterprise Management System), which tracks hazardous waste sites, potential hazardous waste sites, and remedial activities performed in support of the EPA's Superfund program, identified one (1) SEMS site within a ½-mile radius of the subject Site. Lihue Plantation Company LTD, located approximately 1/8-mile downgradient is not listed on the NPL and no further remediation action is planned. This site is not considered to pose a significant environmental or human health hazard to the subject Site.

#### RCRA-Small Quantity Generators (SQG) List

A review of the RCRA-SQG list identified one (1) RCRA-SQG sites within a ¼-mile radius of the subject Site. Small Quantity Generators generate between 100 kilograms (kg) and 1,000 kg of hazardous waste per month. Lihue Plantation Sugar Mill, located approximately ¼-mile downgradient from the Site, is listed with no violations on record. This site is not considered to pose significant environmental or human health hazard to the subject Site.

#### RCRA-Very Small Quantity Generators (VSQG) List

A review of the RCRA-VSQG (very small quantity generators) database lists five (5) RCRA-VSQG sites within a ¼-mile radius of the subject Site. Very small quantity generators generate less than 100 kg of hazardous waste per month, or less than 1 kg of acutely hazardous waste per month.

Walmart #2308, IES Retail, Wilcox Memorial Hospital, Aloha Petroleum, and Rice Street Chevron are not listed with any violations and not considered to pose significant environmental or human health threat to the subject Site.

#### State Hazardous Waste Sites (SHWS) List

A review of the SHWS database indicated there are seven (7) listed SHWS sites within a 1-mile radius of the target property. Two (2) of the seven (7) sites are listed as No Further Action (NFA) and are not in close proximity to the Site, therefore; they are not deemed to pose an environmental or human health threat to the subject Site. The remaining five (5) sites either have ongoing

investigations or are listed as NFA but are in close proximity to the subject Site. These five (5) sites are further evaluated below:

***Gary's Service Station; 3187 Kuhio Highway***

According to the SHWS database, Gary's Service Station (located approximately 1/8-mile upgradient) is listed as an NFA hazard priority with hazards being managed with controls.

The Site is located in a mixed residential/commercial area of Lihue, Kauai, Hawaii, at the intersection of Kuhio Highway and Poinciana Street. The Site covers approximately 30,175 square feet (0.69 acre). On January 12 and 13, 2004, LFR Inc conducted a Baseline Site Assessment (BSA), a total of six borings were advanced. Benzene was detected in soil boring B-1, located just north of a former cesspool and west of the gasoline USTs at concentrations above the HDOH Tier 1 soil action level (SAL) of 0.05 milligrams per kilogram (mg/kg) for benzene. The detected constituents were most likely related to a release from the abandoned cesspool and/or a release from the current or former gasoline USTs.

LFR conducted an additional soil and groundwater investigation at the Site from November 29 through December 2, 2004. The purpose of that investigation was to respond to the HDOH Solid and Hazardous Waste Branch (SHWB), UST Division's request for horizontal delineation of impacted soil detected in the vicinity of a former cesspool and the current gasoline USTs during the field investigation for LFR's BSA. Analytical results of soil samples collected during the additional investigation indicated that unidentified hydrocarbons as diesel (UHD) and oil (UHO) were detected at concentrations below HDOH Tier 1 Soil Action Levels (SALs) for Total Petroleum Hydrocarbons (TPH) as diesel (TPH-d) and as oil (TPH-o) in soil samples collected in the vicinity of the former 6-foot diameter cesspool and upgradient from the dispenser islands. Analytical results for groundwater samples collected from the five (5) groundwater monitoring wells, installed during the additional investigation, indicated that UHD, UHO and 1,4-dichlorobenzene were detected at concentrations above the laboratory detection limit in monitoring wells MW-1 and MW-2. On January 11, 2005, CC Repair & Maintenance Service, Inc. (CC Repair), under the supervision of LFR personnel, conducted an investigation and determined that both cesspools had been correctly abandoned by in-filling with concrete. As required by HDOH, LFR conducted quarterly groundwater monitoring at the Site from April 2005 through April 2006.

Based on the April 2006 results, which indicate that no constituents of concern associated with gasoline, diesel or motor oil have been detected in groundwater samples since December 2004, LFR recommended that the HDOH SHWB, UST Division, issued an NFA determination for this Site. An NFA status was issued to this site on January 10, 2008. This site is not considered to pose significant threat to human/environmental health at subject Site.

***Koamalu Plantation LLC Condominium; 4534 Uahi Road***

According to the EDR, Koamalu Plantation LLC Condominium (located approximately ½-mile upgradient) is listed as a medium priority site with undetermined hazard, but presumed motor oil in soil.

On October 18, 2006, the HDOH- Hazard Evaluation and Emergency Response (HEER) Office received information regarding fugitive dumping and contaminated soil (i.e. stained soil underneath three [3] 55-gallon drums labeled as motor oil) at the Koamalu Plantation LLC Condominium. Due to this matter, a remedial investigation was warranted

Historical records, and a previous Phase I ESA conducted by Masa Fujioka & Associates in August 2005, indicate that the site area was used for residences by native Hawaiians long before Europeans and Americans arrived and started up the Lihue Sugar Plantation in the late 1840s and early 1950s. Much of the site property was scrubby or wooded and was apparently not used for sugar cane cultivation or other large-scale agriculture, perhaps until the 1990s and later.

The Phase I concluded with the following items noted as potential environmental concerns:

“A small amount of black-stained soil was observed below three 55-gallon drums, which were labeled as containing motor oil. Several piles of refuse were noted around the property. Most appeared to consist of household waste, but some appear to have been graded with soil; therefore, the contents of the piles are not entirely known. There are at least two abandoned cesspools on the subject property, and possibly more at the Unit 2 house and within the eastern end of the property where a half-dozen or more dwellings were located along the dirt road for decades. Abandoned wells may also be present based on the history of site use (although none were observed). The subject property is adjoined by former' Lihue Plantation Company, Ltd. cane lands. Regulatory review indicates that

the company is being assessed for contamination of soils by agricultural use of pesticides and herbicides. Historical records show that the sugar mill facility was operated for decades at a location within one-eighth mile of the subject property, and regulatory records indicate that the facility has had a number of incidents of environmental concern. The subject site and the former mill are not adjacent to each other, and the mill is not upgradient, thus, contamination resulting from mill activities is unlikely but cannot be completely ruled out from sources such as fugitive dust. (Masa, 2006)

Due to its distance from the subject Site (1/2-mile), contamination at this site would not migrate to the subject Site. This site is not considered to pose significant threat to human/environmental health at subject Site.

***GTE Telcom (Lihue Office); 4444 Rice Street***

According to the EDR, the GTE Telcom (Lihue Office, located approximately less than 1/8-mile downgradient) is listed as an NFA hazard priority with hazards undetermined.

On Friday, November 7, 1997, a release from a 55-gallon UST was discovered by Mr. Rick Ravelo of Brewer Environmental Services (BES) at the GTE Hawaiian Tel Central Office. The release was detected during the removal of the UST. When the tank was discovered, GTE contracted M. Nakai Repair Service to excavate and remove the tank. A total of 18 cubic yards of contaminated material was removed from the tank excavation. PID headspace soil sample readings indicate that all of the potentially contaminated material had been excavated. A total of three soil samples were collected from the excavation to identify if any contamination remains at the site. One soil sample was collected from the bottom of the excavation below the middle of the UST location; the second soil sample was collected from the east wall, approximately 9 feet 6 inches below grade; and the third soil sample was collected from the north wall also approximately 9 feet 6 inches below grade. All three samples did not have detectable levels of total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes or total lead.

The excavated material was presumed to be contaminated with gasoline due to the presence of a petroleum odor in the soil and PID headspace readings collected during the UST removal. On December 3, 1997, Mr. Rick Ravelo of BES collected two soil samples from the stockpiled material. The laboratory results detected a concentration of TPH-g in the soil sample at 6.6 mg/kg,

total lead at 36 mg/kg, total cadmium at 2.4 mg/kg, and total chromium at 230 mg/kg. Results for all other analytes were below laboratory detection limits. The laboratory results indicated the gasoline and metal concentration in the soil was below HDOH release response clean-up goals. Based on the laboratory results and field observations, BES concludes that no further action is required for the gasoline release at 4444 Rice Street and that the soil is safe for common use and disposal.

This site is not considered to pose significant threat to human/environmental health at subject Site.

***Lihue Plantation Company, LTD; 2940 Haleko Road***

According to the EDR, the Lihue Plantation Company LTD (located approximately 1/8-mile downgradient) is listed as a medium priority site with hazard present and response ongoing.

The Lihue Plantation Company's sugar mill began operations by the early 1850s, up until November 2000. A sugar mill railway system operated on northeast-adjointing land from the late 1890s through the 1950s.

The HDOH states that the Plantation facilities are under investigation for environmental issues related to day-to-day cane land cultivation and sugar processing operations, specifically at four sites that include the seed dipping plant and the sugar mill. The sites were investigated, sampled, and assessed. (Soil samples at various sites showed elevated levels of chemicals found in pesticides and herbicides, including DDT, chlordane, heptachlor, and arsenic.) The HDOH's preliminary scoring was submitted to the EPA for possible inclusion to CERCLA. See Lihue Company, LTD – Lihue Sugar Mill and Power Plant below.

***Lihue Plantation Company, LTD – Lihue Sugar Mill and Power Plant; 2940 Haleko Road***

Lihue Plantation Company is listed in the EDR with hazards present and response ongoing. A 5,000 gallon used oil UST, believed to be installed at the former mill in the 1950s and in operation until 1999, was removed on February 15, 2001 by Brewer Environmental. At the time of the closure, no significant release was discovered and all confirmation soil samples were either free of petroleum constituents or confirmed trace constituents at concentrations below HDOH Tier 1 SALs. Brewer recommended that no further action was required. On July 26, 2001, during a fuel

delivery from Kauai Commercial, (The Lihue Plantation Company, Limited' s [LP] fuel delivery contractor) approximately 4,100 gallons of fuel flowed into the soil at the former 5,000-gal UST backfill area.

From December 11 through December 17, 2001, four, 2-inch diameter groundwater monitoring wells and four, 4-inch diameter recovery wells were installed in the vicinity of the spill sites. Groundwater samples were collected, and passive product skimmers were installed in the recovery wells. According to Brewer Environmental Services (BES), who oversaw the remediation, approximately 0.5 gallons of diesel product was recovered from the wells each month during continued monitoring and servicing with a total of approximately 2,721 gallons of diesel recovered as of the submittal of the BES report. Groundwater sample results indicated slightly elevated fluoranthene concentrations (0.0151 milligrams per liter [mg/L]) in recovery well RW-4 and elevated lead concentrations in MW-2 (0.0274 mg/L), MW-4 (0.0471 mg/L), and RW-4 (0.0206 mg/L). Upon further review, the EPA decided that further investigation of the entire Lihue Plantation site would be necessary in order to completely characterize the site using the U.S. EPA Hazard Ranking System (HRS) criteria.

A limited Phase II investigation was performed by Tetra Tech, Inc. at the former Lihue Plantation Sugar Mill on March 17 and 18, 2009 and April 7 and 8, 2009 that included groundwater sampling and multi-increment soil sample collection. The organochlorine pesticides heptachlor, aldrin, heptachlor epoxide, gamma -chlordane, alpha-chlordane, dieldrin, DDE, and chlordane (technical) were detected in soil samples during the analysis; however, only heptachlor, aldrin, heptachlor epoxide, dieldrin, and chlordane (technical) were detected in concentrations above the established EALs. Heavy metals, such as lead, cadmium, chromium, arsenic, barium, and mercury, were detected in the soil samples; however, below established EALs.

In December 2019, ENPRO Environmental (ENPRO) conducted a removal of asbestos debris from the western portion of the property, as well as stream water and multi-increment (MI) soil sampling and analysis. The results of laboratory analyses indicated excavated soils were impacted by residual range organics, dieldrin, and dioxins at concentrations greater than the HDOH Environmental Action Level (EAL) for unrestricted land use, but less than the HDOH EAL for



commercial/industrial land use. Laboratory analyses also indicated that stream water at the property was impacted by dioxins at concentrations greater than the HDOH EAL for both unrestricted and commercial/industrial land use in both the upstream and the downstream samples. However, there was no significant increase in Chemical of Potential Concern (COPC) concentrations when comparing the downstream sample to the upstream sample. ENPRO recommended reporting the results of this sampling and analysis to the HDOH HEER office.

Pesticides in the underlying soil and dioxins in the stream samples remain at this site, however constituents in soil have likely limited mobility and unlikely to impact the subject Site. The site is also downgradient of the subject Site, therefore constituents in the stream are also unlikely to impact the subject Site.

#### HDOH Leaking Underground Storage Tank (LUST) Database

According to the EDR Leaking Underground Storage Tank (LUST) database, there are twelve (12) UST releases within a ½-mile radius of the subject Site. Of the twelve (12) sites, eleven (11) sites have received no further action (NFA) cleanup status. Additionally, of the twelve (12) sites, four (4) sites are located adjacent to the subject property. These four (4) adjacent sites and the remaining site without an NFA cleanup status are further evaluated below from closest to furthest to the subject Site.

#### ***Lihue Shell, 3178 Kuhio Highway***

Lihue Shell, located directly adjacent to the subject Site, is listed in the LUST database for three (3) UST release reports in 1998, 2005, and 2009. All three incidents received NFA status. According to a HDOH/LUST Interoffice Memo dated November 19, 2002, the release area was not adequately delineated horizontally. A letter from HDOH to Mr. Jeff Goold from Shell Oil Products dated July 21, 2009 discussed a Phase II ESA conducted by Element Environmental for Delta Consultants in April 2008. Five soil borings were performed with one sample collected from the lowest depth. One boring reached 40 feet, while the other four ranged in depth from 18 to 28 feet. Because the soil samples were not obtained from beneath the USTs, or beneath every twenty linear feet of piping, as required for UST closures and removal, HDOH could not be certain that

contamination did not exist beneath the UST system in areas where it is commonly found. Only one groundwater sample was collected in the 2008 Phase II ESA, which resulted in detected benzene exceeding the HDOH groundwater EAL. With these qualifications, HDOH issued an NFA response to the 2009 release. This site is cross-gradient or upgradient of the subject Site. Due to distance and gradient, the historical releases from this Site may have impacted the subject Site. This is considered a REC for the subject Site.

### ***76 Paradise #412, 3155 Kuhio Highway***

76 Paradise #412, located directly adjacent to the subject Site, is listed in the LUST database for one (1) UST gasoline release. This release is recorded with no further action as of 2007. On January 5, 1999 Rego's Trucking Company removed two 4,000-gallon gasoline USTs and one 250-gallon waste oil UST from the ground at the site. On January 15, 1999 J.R. Herold and Associates (JRHA) conducted verification soil sampling for UST closure. Laboratory analytical results indicated that TPH-g and/or benzene were present in the soil in the gasoline UST excavation and beneath one of the four dispensers at concentrations that exceeded HDOH Tier 1 SALs. On March 15, 1999 Inter Island Environmental Services, Inc. and Kauai Petroleum Company, Ltd. over-excavated contaminated soil in the gasoline UST excavation to a depth of 25 feet below ground surface (bgs). Two soil samples were collected from the gasoline UST excavation at a depth of 25 feet bgs for laboratory analysis. Laboratory analytical results indicated that BTEX were present in the soil at concentrations that exceeded HDOH Tier 1 SALs. In August 2004 Mountain Edge installed four soil borings at the site, which were later converted to groundwater monitoring wells, to evaluate the extent of contamination in the soil and groundwater beneath the site. Laboratory analytical results indicate that gasoline constituents are present in the groundwater beneath the site; however, with the exception of benzene, the concentrations were below HDOH Tier 1 Groundwater Action Levels (GALs). In July 2006, benzene was detected at concentrations slightly above the HDOH Tier 1 GAL of 0.005 mg/L. After two (2) years of monitoring, there was only one detection of benzene during one sampling event. In 2007, after reviewing the Semi-Annual Groundwater Monitoring Reports from 2005 to 2007, HDOH concluded that no further action is necessary for the release. The HDOH NFA letter indicates that a small volume of petroleum-contaminated soil

remains in the subsurface at the site. Remaining subsurface soil contamination is not anticipated to impact the subject Site.

***IES Retail Kuhio Highway (Gary's Service Station), 3187 Kuhio Highway***

IES Retail Kuhio Highway, located less than 1/8-mile equal or upgradient from subject Site, is listed in the LUST database for two (2) UST leaded and unleaded gas releases - both received NFA status in 2006 and 2008. On November 4, 2006, the HDOH SHWB requested that Chevron provide horizontal delineation of contamination, a written explanation for the presence of benzene in a discovered cesspool, and documentation of tank and line tightness testing performed after January 2004. During a BSA conducted at the Site on January 12 and 13, 2004, benzene was detected at concentrations above the HDOH EAL in two soil collected from a boring located just north of the former cesspool and west of the gasoline USTs. No other constituents of concern were detected above HDOH action levels in other soil or groundwater samples. In December 2004, five monitoring wells were installed in locations near the cesspool and former UST. Analysis of soil and groundwater samples collected during monitoring well installation indicate that none of the constituents analyzed were detected at concentrations exceeding HDOH EALs. Based on this information, in a letter from HDOH dated November 24, 2006, an NFA status was granted. In 2007 additional groundwater sampling was conducted which did not detect petroleum constituent in any monitoring well conducted. It is unlikely that contamination from these releases have impacted the subject Site.

***Lihue Central Office, 4444 Rice Street***

Lihue Central Office, located less than 1/8-mile downgradient, is listed in the LUST database for a three (3) UST releases. All three (3) received NFA status in 1995 and 2002. On October 27, 1998, the UST was closed in-place because an active electric generator set and concrete slab were positioned almost directly above the tank. Before in-place closure, one soil sample from each hole was manually extracted and shipped to Sequoia Analytical Services (Petaluma, CA) for analysis. The results indicated that PAH contamination was present below the tank. In March 2000, eleven (11) samples were collected from eight boreholes from depths of eight to 10.5 feet bgs. These samples were analyzed for the presence of TPH-d, BTEX, and PAHs. Analytical results indicated that none of the contaminants of concern were present at levels above the HDOH SALs. An NFA

status was received on March 13, 2002 by HDOH. Due to the downgradient nature of this Site, it is unlikely to impact the subject Site.

### ***Rice Street Chevron, 4411 Rice Street***

Rice Street Chevron, located less than 1/4-mile downgradient, is listed on the LUST database for one (1) single-walled, fiberglass UST release with an ongoing response. Very limited information is available from the requested HDOH SHWB documents provided. A letter from the HDOH dated July 1, 2013 following up on a telephone report of a confirmed UST release discovered in the piping of a 10,000-gallon, 89 octane UST by a helium test on June 3, 2013. Another letter from HDOH, dated May 16, 2014 states they have not yet received an Initial Release Response Report (IRRR) for the release at the facility. The release ID Number is 130005. An email was sent in 2017 indicating that no documents were ever received by HDOH. At this time, no more documents are available to ERA for review. Due to the distance (approximately 1/8-mile) and downgradient nature of this Site, it is unlikely to impact the subject Site.

### **FEMA UST Database**

According to the EDR FEMA UST database, there is one (1) site within a 1/4-mile radius that have registered FEMA USTs on property. 3137 Kuhio Highway, located less than 1/8-mile (adjacent to the Site) downgradient is listed with a tank SRNO of 16, but no other information is provided.

### **HDOH UST Database**

According to the EDR registered Underground Storage Tank (UST) database, there are fifteen (15) sites within a 1/4-mile radius that have registered UST's on property. Of the fifteen (15) sites, four (4) have USTs currently in use and are listed below:

IES Retail Kuhio Highway, located less than 1/8-mile at equal or higher elevation from the subject Site, is listed with three (3) 10,000-gallon gasohol USTs currently in use. Due to the equal or upgradient location and distance, potential future releases from this Site may pose a threat to the subject Site.

76 Paradise (#412), located less than 1/8-mile downgradient, is listed with one (1) 7,000-gallon gasohol UST, one (1) 4,000-gallon gasohol UST, and one (1) 3,000-gallon diesel UST. All three

USTs are listed as currently in use. Due to its proximity, potential future releases from this Site may pose a threat to the subject Site.

Lihue Central Office, located less than 1/8-mile downgradient, is listed with one (1) 600-gallon diesel UST. Due to its proximity, potential future releases from this Site may pose a threat to the subject Site.

Rice Street Chevron, located approximately 1/8-mile downgradient, is listed with three (3) 10,000-gallon gasohol USTs. Due to its proximity, potential future releases from this Site are unlikely to pose a threat to the subject Site.

#### Voluntary Remediation Program and Brownfields Sites with Institutional Controls in Place

According to the State and tribal institutional control (ISNT CONTROL)/engineering control (ENG CONTROLP) registries, there is one (1) Hawaii INST CONTROL site within a 1/2-mile radius of the Site. Gary's Service Station, located less than 1/8-mile upgradient, is listed as hazard managed with controls. This site was previously discussed in the SHWS database and deemed to not pose significant threat the environmental health of the subject Site.

#### HI BROWNFIELDS Brownfield Site List

According to the State and Tribal Brownfield Sites List, there is one (1) HI BROWNFIELD site within a 1/2-mile radius of the Site. Lihue Plantation Sugar Mill, located less than 1/4-mile downgradient from the subject Site, is listed. This site was discussed previously in the SHWS list, and unlikely to pose an environmental threat to the subject Site.

#### *Additional Environmental Record Sources*

#### US BROWNFIELDS

According to the Local Brownfields list provided by the EDR. There is one (1) US Brownfields site within a 1/2-mile radius of the subject site. Lihue Plantation Sugar Mill located less than 1/8-miles downgradient from the subject Site. This site was discussed previously in the SHWS list, and unlikely to pose an environmental threat to the subject Site.

### HI SPILLS

According to Records of Emergency Release Reports provided by the EDR. There is one (1) HI SPILLS site within a 0.001-mile radius of the subject site. Kuhio Highway and Poinciana Street is listed which was determined to be likely within the limits of the subject Site. The EDR lists the spilled substance as hydraulic fluid. The spill quantity is not reported. This site is listed as NFA based on the State On-Scene Coordinator determination. As this is a recorded release at the Site, which has been cleaned up to the satisfaction of the regulatory body, this release is considered a H-REC for the subject Site.

### RCRA-NonGen

A review of the RCRA Non-Generator Facilities (NonGen) list revealed four (4) RCRA NonGen facilities within a ¼-mile radius of the subject site. Speedie Lube of HI Inc, United Agriculture Products Hawaii, Vector Controls Branch, and Kauai Sugar Storage Company. These facilities are not deemed to pose an environmental threat to the subject Site.

### Integrated Compliance Information System (ICIS)

A review of the Integrated Compliance Information System (ICIS) list revealed two (2) ICIS sites within a 0.001-mile radius of the subject Site. The two (2) sites are Lihue Shell Service located at 3178 Kuhio Highway and Paradise Service Station, located at 3155 Kuhio Highway. These facilities were previously discussed in the LUST database and are not deemed to pose an environmental threat to the subject Site.

### The Facility Index System (FINDS)

A review of the FINDS list, as revealed by EDR, revealed ten (10) FINDS sites within a 0.001-mile radius of the subject Site. Dollar Rent-A-Car, Speedie Lube of HI Inc, Chevron 97619, Walmart Lihue Store, Lydgate Park – Kapaa Phase C, Lihue Shell, A Step Forward, Wilcox Memorial Hospital, Clinical Laboratories of Hawaii, and Paradise SVC. These facilities are not deemed to pose an environmental threat to the subject Site.

### ECHO

The ECHO database provides integrated compliance and enforcement information for regulated facilities. A review of the ECHO list, as provided by EDR, and dated 01/05/2020 has revealed that there are seven (7) ECHO sites within approximately 0.001-mile of the target property. Lydgate Park – Kapaa Phase C, Chevron 97619, Lihue Shell, A Step Forward, Wilcox Memorial Hospital, Clinical Laboratories of Hawaii, and Paradise SVC. These facilities are not deemed to pose an environmental threat to the subject Site.

### HI Financial Assurance

A review of the HI Financial Assurance list, as provided by EDR, has revealed that there are two (2) HI Financial Assurance sites within approximately 0.001-mile of the target property. Lihue Shell and 76 Paradise #412. These facilities were previously described in the LUST database section.

### Historical Auto List

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are three (3) EDR Hist Auto sites within approximately 1/8-miles of the target property. T&H Service LTD, Lihue Super Service, and Paradise Service. These three (3) sites are at the same site: 76 Paradise, located at 3155 Kuhio Highway. This site is previously described in the LUST section.

### Historical Drycleaners Sites List

The EDR Historical Cleaner records reviewed show two (2) Historical Cleaner site within an 1/8-mile radius of the subject Site. Up to Date Cleaners, located at 3088 Akahi Street (less than 1/8-mile equal or upgradient) is listed as using Garment Pressing and Cleaner's Agents from 1994 to 2000. Up to Date Cleaners, located at 4447 Rice Street (less than 1/8-mile downgradient) is listed as using Garment Pressing and Cleaner's Agents from 2002 to 2005. No spills or releases were noted and neither site is directly adjoining the subject Site. None of the EDR Historical Cleaner sites are deemed to pose significant environmental threat to the subject Site.

## **SECTION 6: FINDINGS AND RECOMMENDATIONS**

This Phase I ESA report was prepared by ERA for Belt Collins Hawaii LLC. The subject of this Phase I ESA consists of a Kuhio Highway stretching from Hardy Street to Oxford Street. The purpose of this investigation was to identify and evaluate evidence that may indicate any REC at the Site due to past or current management of chemicals or other materials that, if released or not properly controlled, could present a risk to human health or the environment. This ESA report conforms to the format outlined in the *ASTM Document E1527-13* and the USEPA's All Appropriate Inquiries Rule. The site reconnaissance visit was conducted by Mr. Max Ulloa of ERA on May 26, 2020.

### **Findings**

#### **Site Reconnaissance**

The Site, as of May 26, 2020 was completely paved and developed. The site reconnaissance began at the Lihue Civic Center, at the intersection of Kuhio Highway and Hardy Street. The inspection continued north along Kuhio Highway to Kali Road. No vegetation was observed. No staining was observed on the ground. A 76 gas station was observed at the intersection of Kuhio Highway and Kali Road. Kali Road (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The inspection then continued north along Kuhio Highway to Poinciana Street. A Shell gas station was observed across the highway from Poinciana Street. A Texaco gas station was observed at the intersection of Poinciana Street and Kuhio Highway. Poinciana Street (within the boundaries of the Site) was noted to be free of stains, waste, or ponding water. The intersections of Poinciana Street with Nakamura Street, Jerves Street, and Hiraoka Street were also observed to be free of stains, waste, or ponding water. The inspection continued north along Kuhio Highway to the intersection of Kuhio Highway with Oxford Street and Ahukini Road. The intersection was observed to be free of stains, waste, or ponding water. The northernmost section of Kuhio Highway (within the Site boundaries) was also observed to be free of stains, waste, or ponding water. No unnatural fill areas were observed throughout the site inspection.

The Site was observed to slope south to north. According to EDR, the subject property lies between a minimum elevation of 200-feet AMSL and a maximum elevation of 220-feet AMSL. The Site is located above (mountainside) of the UIC Line established by the State of HDOH, therefore; the



underlying aquifer is considered a drinking water source and there are limited types of injection wells allowed. No drinking water supply wells were observed on the subject property. Based on the geographical features of the island and the 7.5-minute USGS topographic maps provided by EDR, groundwater flow is assumed to flow east from the mountains to the ocean.

During the reconnaissance of the Site, ERA did not observe any staining indicating release at the Site. No tanks, wells, or signs of chemicals used on the Site were observed. No indications of current or historical chemical use or storage were observed, and no indications of current or historical petroleum or hazardous materials use, spills, or storage were noted. Additionally, no unusual odors, pools of liquid, ASTs, USTs, or drums/unidentified containers were observed onsite. Several gas stations with USTs were observed adjoining the Site.

ERA observed forty-three (43) PMTs adjacent to the Site. Twenty-five (25) PMTs were observed along Kuhio Highway, nine (9) PMTs were observed on Poinciana Street, six (6) PMTs were observed at the intersection of Akahi Street and Hardy Street, and three (3) PMTs were observed on Akahi Street. KIUC was queried regarding the PCB content of the transformers. No response was received from KIUC. Unless records are obtained of the purchase date or testing, these transformers should be considered potentially PCB containing. Leaks or releases from these transformers may impact the subject Site.

### **Historic Photos and Maps**

Based on a review of historical aerial and Google Earth Pro photographs spanning 1951 to 2020 shows the Site was developed and used as a road since 1951, the earliest photograph available. No ASTM defined RECs were noted from review of the historical aerial photographs.

Based on a review of historical Sanborn maps spanning from 1927 to 1990, a sugar mill/plantation and cannery were identified adjacent to the Site in the Sanborn maps spanning from 1927 to 1945. Gas and oil facilities were observed adjacent to the Site from 1927 to 1990.

### **Regulatory Database Review**

The target property address submitted to EDR was not listed in any of the reviewed databases searched by EDR, however according to Records of Emergency Release Reports provided by the

EDR there is one (1) HI SPILLS site listed as Kuhio Highway and Poinciana Street. This was determined to likely be within the limits of the subject Site. The EDR lists the spilled substance as hydraulic fluid. The spill quantity is not reported. This site is listed as NFA based on the State On-Scene Coordinator determination. As this is a recorded release at the Site, which has been cleaned up to the satisfaction of the regulatory body, this release is considered an H-REC for the subject Site.

Seven (7) SHWS were listed within a 1-mile radius of the subject Site. Of the seven (7) sites, five (5) were determined to require additional research through review of environmental records. Gary's Service Station, Koamalu Plantation LLC, Lihue Plantation Company, GTE Telcom, and Lihue Plantation Company – Sugar Mill and Power Plant records were obtained from the HDOH HEER office. None of these sites were determined to pose a significant environmental threat to the subject Site.

According to the EDR LUST database, there are twelve (12) UST releases within a ½-mile radius of the subject Site. Of the twelve (12) sites, eleven (11) sites have received NFA cleanup status. Additionally, of the twelve (12) sites, four (4) sites are located adjacent to the subject property. These four (4) adjacent sites and the remaining site without an NFA cleanup status were further evaluated with review of the HDOH SHWB records. Lihue Shell, located directly adjacent to the subject Site, is listed in the LUST database for three (3) UST release reports in 1998, 2005, and 2009. All three incidents received NFA status. Only one groundwater sample was collected in the 2008 Phase II ESA, which resulted in detected benzene exceeding the HDOH groundwater EAL. Additionally HDOH indicated that the soil samples were not obtained from beneath the USTs, or beneath every twenty linear feet of piping, as required for UST closures and removal, HDOH could not be certain that contamination did not exist beneath the UST system in areas where it is commonly found. With these qualifications, HDOH issued an NFA response to the 2009 release. ERA does not consider this release delineated and Due to distance and gradient, the historical releases from this Site may have impacted the subject Site. This is considered a REC for the subject Site. All other LUST sites were determined to pose minimal threat to the subject Site.

According to the EDR registered Underground Storage Tank (UST) database, there are four (4) Sites which have USTs currently in use. Of the four (4) sites, three (3) are located directly adjacent

to the subject Site. IES Retail Kuhio Highway, located at 3187 Kuhio Highway is listed with three (3) 10,000-gallon gasohol USTs currently in use. 76 Paradise (#412), located at 3155 Kuhio Highway, is listed with one (1) 7,000-gallon gasohol UST, one (1) 4,000-gallon gasohol UST, and one (1) 3,000-gallon diesel UST. Lihue Central Office, located at 4444 Rice Street, is listed with one (1) 600-gallon diesel UST. Due to proximity, potential future releases from these Sites may pose a threat to the subject Site. The presence of USTs in close proximity to the subject Site is considered a potential environmental concern.

## **SUMMARY AND RECOMMENDATIONS**

### *RECs*

- **H<sup>1</sup>**: The intersection of Kuhio Highway and Poinciana Street is listed in the SPILLS database. This site was determined to be likely within the limits of the subject Site. The EDR lists the spilled substance as hydraulic fluid. The spill quantity is not reported. This site is listed as NFA based on the State On-Scene Coordinator determination. As this is a recorded release at the Site, which has been cleaned up to the satisfaction of the regulatory body, this release is considered a H-REC for the subject Site.
- **R<sup>1</sup>**: Lihue Shell, located directly adjacent to the subject Site, is listed in the LUST database for three (3) UST releases. A Phase II ESA was conducted by Element Environmental for Delta Consultants in April 2008. Five soil borings were performed with one sample collected from the lowest depth. Because the soil samples were not obtained from beneath the USTs, or beneath every twenty linear feet of piping, as required for UST closures and removal, HDOH could not be certain that contamination did not exist beneath the UST system in areas where it is commonly found. Only one groundwater sample was collected in the 2008 Phase II ESA, which resulted in detected benzene exceeding the HDOH groundwater EAL. HDOH issued an NFA for this Site in 2009. No additional records were available indicating additional investigation was conducted to delineate the nature and extent of this contamination. Due to distance and gradient, the historical releases from this Site could have impacted the subject Site.

*List of Additional Environmental Issues*

- **E<sup>1</sup>:** In the historic Sanborn Fire Maps, gas and oil facilities were observed adjacent to the Site from 1927 to 1990. These gas and oil facilities were located on the southern portion of the Site adjacent near the intersection of Kuhio Highway and Hardy Street. No additional records were available regarding records of release or USTs at these facilities, however the presence of historic gas and oil facilities directly adjacent to the Site is considered a potential environmental concern.
- **E<sup>2</sup>:** ERA observed forty-three (43) pole-mounted transformers adjacent to the Site. Twenty-five (25) PMTs were observed along Kuhio Highway, nine (9) PMTs were observed on Poinciana Street, six (6) PMTs were observed at the intersection of Akahi Street and Hardy Street, and three (3) PMTs were observed on Akahi Street. KIUC was queried regarding the PCB status of the transformers. No response was received from Kauai Island Utility Cooperative. Unless records are obtained of the purchase date or testing, these transformers should be considered potentially PCB containing. Leaks or releases from these transformers may impact the subject Site.
- **E<sup>3</sup>:** According to the EDR registered Underground Storage Tank (UST) database, there are four (4) Sites which have USTs currently in use. Of the four (4) sites, three (3) are located directly adjacent to the subject Site. IES Retail Kuhio Highway, located at 3187 Kuhio Highway is listed with three (3) 10,000-gallon gasohol USTs currently in use. 76 Paradise (#412), located at 3155 Kuhio Highway, is listed with one (1) 7,000-gallon gasohol UST, one (1) 4,000-gallon gasohol UST, and one (1) 3,000-gallon diesel UST. Lihue Central Office, located at 4444 Rice Street, is listed with one (1) 600-gallon diesel UST. Due to proximity, potential future releases from these Sites may pose a threat to the subject Site. The presence of USTs in close proximity to the subject Site is considered a potential environmental concern.

## **SECTION 7: DEVIATIONS AND DATA GAPS**

The following data gap was encountered during the assessment:

- A valuation assessment comparing fair market value of the Site was not performed as information regarding the fair market value and property purchase price was not available.

This data gap is not considered significant.

## **SECTION 8: REPORT LIMITATIONS**

The findings, observations, conclusions, and recommendations of this report are limited by the technical requirements specified in the contract between Belt Collins Hawaii LLC and ERA. The findings, observations, conclusions, and recommendations presented herein solely identify and evaluate evidence that may indicate that environmental hazards exist at the Site due to past or current management of chemicals or other materials that, if released or not properly controlled, could present a risk to human health or the environment.

The Phase I ESA provides a “snap shot” of Site conditions at the time of the investigation. The assessment does not cover site changes that ERA could not reasonably ascertain. Additionally, it must be noted that no investigation can completely rule out the existence of any regulated or hazardous materials at a given site.

In preparing this report, ERA relied on information derived from visual reconnaissance, governmental agencies, computer databases, and personal interviews. Except as set forth in this report, ERA made no independent investigations as to the accuracy and completeness of the information derived from the listed sources. ERA assumed that all information obtained during the course of the investigation is accurate and complete.

Although ERA did evaluate (to the extent reasonable) the historical use of adjacent properties (e.g., City Directory Search), ERA cannot guarantee that neighboring industries have not impacted the subject Site. ERA did not perform a complete environmental assessment of adjacent properties and it is possible that groundwater migration, overland flow or transport of contaminated particles via wind may have contaminated the Site.

All findings, observations, conclusions, and recommendations stated in this report are based on facts; circumstances; applicable federal, state and local laws, rules, and regulations; and generally accepted national standards for such services in existence at the time that the report was prepared. Topics not explicitly discussed within this report should not be assumed to have been investigated or tested.

ERA has prepared this document for the use and benefit of Belt Collins Hawaii LLC. Any use of this document or information herein by persons or entities other than those named above without

the express written consent of ERA will be at the sole risk and liability of said person or entity, and ERA will not be liable to such persons or entities for any damages resulting therefrom.

## **SECTION 9: REFERENCES**

American Society for Testing and Materials (ASTM), 2013, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527-13.

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EDR, 2020d. Historical Topographic Map Report, Hardy-Oxford Waterline, Kuhio Highway, Lihue, HI 96766, Inquiry Number 6066289.4, May 19, 2020.

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EDR, 2020f. Vapor Encroachment Screen, Hardy-Oxford Waterline, Kuhio Highway, Lihue, HI 96766, Inquiry Number 6066289.2s, May 19, 2020.

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*Appendix* **A**

**ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS**



## Russell S. Okoji, Ph.D.

### Principal

#### Professional Summary:

Dr. Russell S. Okoji is Principal and Senior Technical Advisor for Environmental Risk Analysis. Dr. Okoji received his BS in Applied Ecology from the University of California, Irvine, and his doctorate in Environmental Toxicology from the University of California, Los Angeles. Previously, he was the Environmental Division Manager for AMEC Earth and Environmental's Pacific Region and oversaw a team of 10 environmental scientists, engineers, geologists and biologists. He has been associated with ERA since its inception in 2006 and has more than 17 years of environmental professional consulting experience. Dr. Okoji's current responsibilities at ERA include Program and Project Management for a variety of project types including environmental impact statements, toxicological assessments, human health and ecological risk assessments, industrial hygiene projects, air studies, both small and large scale Phase 1, 2 and 3 Assessments, and public relations support. Dr. Okoji has extensive knowledge in both federal and state environmental regulations. Between 2006 and 2010, Dr. Okoji was the Program Manager for an environmental IDIQ contract through Kamehameha Schools Commercial Assets Division, the largest private landowner in Hawaii. Between 2004 and 2008, Dr. Okoji served as Program Manager for the Hawaii Department of Health Environmental Services IDIQ Contract. Dr. Okoji is currently Program Manager for ERA Federal Programs which includes contracts with the USNavy, USArmy and USACE. He has received commendation from the State of Hawaii, City and County of Honolulu, the U.S. Navy and ATSDR.

<b>Past Employment History</b>	AMEC Earth and Environmental Inc.
<b>Position:</b>	Environmental Division Manager, Pacific Region
<b>Dates of Employment:</b>	2000 to 2010
<b>Other Firms:</b>	University of California, Los Angeles
<b>Position:</b>	Laboratory Manager and Researcher
<b>Dates of Employment:</b>	1994 to 2000
<b>Education:</b>	2000, Ph.D., Environmental Toxicology, University of California, Los Angeles 1994, B.S., Applied Ecology, University of California, Irvine
<b>Professional Qualifications:</b>	OSHA 40-Hour Hazardous Material Operations and Emergency Response Training (29 CFR 1910.120), initial certification 2000, annual refreshers Asbestos Building Inspector, initial certification 2005 Asbestos Management Planner, initial certification 2005
<b>Professional Registration:</b>	None Available

## *Detailed Core Skills by Project*

### **Environmental Due Diligence (Phase 1, 2 and 3 Assessments)**

**Island Recycling Inc, Campbell Industrial Park, 2015-2106 – Contract Value \$100,000.** Principal in Charge: Provide expert witness support regarding potential site and navigable waters contamination at the CIP site. Performed a comprehensive soil and groundwater investigation to support litigation and DOH Notice of Violation (NOV) for the drainage canal on the north and east side of the property. Authored work plans, negotiated scopes of work with the DOH and completed the Final Investigation Report.

**Kamehameha Schools, Confidential Site, 2008-2009 – Contract Value \$500,000.** Program Manager: This confidential Site was used for over a hundred years as a truck fleet repair and maintenance facility, for warehousing and other heavy industrial activities. Previous investigations at the Site identified TPH contamination in soil/rock, groundwater, and in free product form. Studies also identified the presence of elevated lead levels in Site surface soils. Dr. Okoji assembled and managed a highly qualified team of environmental professionals to identify existing data gaps, provide services to fully characterize and delineate the Site and provide detailed recommendations for further investigation and site cleanup. Specifically, Dr. Okoji's team was tasked with the following:

- Provide expert witness support and opinion
- Delineate the lateral and vertical extent of free product contamination in groundwater.
- Provide fingerprinting analyses for free product source identification.
- Provide a free product recovery pilot test to evaluate the implementability, cost, and effectiveness of traditional remedial technologies.
- Determine true groundwater gradient at the Site (correcting for tidal influences) to provide information regarding free product and contaminant fate and transport conditions.
- Provide baseline chemical conditions for future determination of the status of the free product plume (stable, shrinking, migrating).
- Delineate lateral and vertical extent of hydrocarbon-related contaminants in soil/rock and groundwater at concentrations exceeding regulatory levels of concern.
- Determine if shallow soil vapor in plume areas contain site contaminants at levels that would pose a human health risk.
- Determine the nature and extent of possible chlorinated solvent contamination several areas on Site.
- Determine the nature of possible chlorinated pesticides and herbicide contamination in surface soil and groundwater near Building 8's refrigerator truck wash area.
- Perform a geophysical investigation to identify the presence and relative locations of physical features (i.e., lava tubes, bedrock fractures, utilities) and potentially the extent of the free product plume.

**Kamehameha Schools, Confidential Site, 2009 – Contract Value \$150,000.** Program Manager: Performed an evaluation of surface soil, surface water and groundwater at a confidential Quarry Site assumed to be the location of illegal dumping of C&D debris, metal, asphalt and unknown solvents. Dr. Okoji and his team planned and initiated an environmental investigation which included a geophysical survey to identify location and magnitude of debris as well as nature and extent of soil and groundwater contamination. The results of Dr. Okoji's study was used by the client to recover costs associated with the investigation and to facilitate further investigative activities.

**Kamehameha Schools, Confidential Site, 2008-2009 – Contract Value \$20,000.** Program Manager: Dr. Okoji provided a third party review of various Remedial Alternatives Analysis & Response Action reports for ongoing litigation related to environmental investigations at a confidential agricultural Site that included a Herbicide Mixing area and Heavy machinery Storage area. Dr. Okoji determined that there were significant deficiencies and bias in the site characterization, evaluation and recommendations for the Site. Dr. Okoji provided detailed recommendations to address the deficiencies. As part of his scope, Dr. Okoji also performed a comprehensive Administrative Records Review.

**Sun Edison Inc: Phase II Environmental Site Assessment, 87-2018 Farrington Highway and 87-2019 Farrington Highway, Waianae, HI, 2012 – Contract Value \$20,000.** Principal in Charge: Performed a limited Phase II Environmental Site Assessment for 2 sites previously used for farming, salvage and a former firing range. The Site was assessed as 4 independent decision units and sampled accordingly based on suspected historical chemical usage. Multi-incremental sampling methodology utilized per HDOH guidelines.

**Hawai'i State Department of Health, Kea'au, HI, 2005-2006 – Contract Value \$150,000.** Program Manager: Performed the initial Phase 2 site characterization of arsenic in former sugar cane land over a several hundred acre area in Kea'au. To accomplish this task, the investigation focused sampling on areas with known or potential human exposure. The sampled areas included school playgrounds, community gardens and areas adjacent to residential areas. A main concern for the DOH was how to limit the uncertainty associated with conventional environmental sampling techniques. To limit the heterogeneity inherent to the method, the investigation implemented (for the first time in Hawaii) a multi increment composite sampling (MICS) methodology. MICSs can drive a skewed distribution (commonly found in environmental sampling) towards normality. For the Kea'au investigation a total of 40 increments (i.e. mini composite sample) was taken for each decision unit or area to be evaluated. The totality of the increments was composited and a larger 10-gram subsample sent for arsenic analysis. The laboratory arsenic results were deemed to better represent average site concentrations than concentrations achieved by simple traditional compositing methods or by averaging discreet sample points across a site. Additional subsamples for the physical and chemical properties of the soil were also obtained using multi increment compositing methods. Provided community relations support for the DOH. The MICS approach has been adopted by the State of Hawai'i Department of Health and is currently undergoing review for adoption by the USEPA.

**Architects Hawaii Ltd, Lahaina, HI, 2012 – Contract Value \$20,000.** Principal in Charge: Performed a limited Phase II Environmental Site Assessment at the Lahaina Fire Department located at 1860 Honoapiilani Highway, Lahaina, HI. The Limited Phase II ESA was conducted to determine the presence or absence of total petroleum hydrocarbon-diesel (TPH-D) in Site surface soils in the immediate vicinity of a currently used diesel Aboveground Storage Tank (AST) proposed for removal. The assessment was also conducted to determine if an onsite shed proposed for demolition requires special disposal considerations based on leachable lead concentrations.

**Agribusiness Development Corporation, Ewa, HI, 2009 – Contract Value \$5,000.** Principal in Charge: Performed a Phase I Environmental Site Assessment (ESA) for an agricultural easement encumbering a parcel situated at Honouliuli, District of Ewa, City and County of Honolulu, State of Hawai'i. The subject site covered an area of 108.221 acres. AMEC provided the following services in accordance with ASTM E1527-05: conducted an historic aerial photograph review; conducted a database search for property and adjacent properties; conducted an historic property use review of property; executed a site walk; and prepared a Phase I Report. Based on the Phase I Investigation, it was determined the environmental concerns for the Site are minimal. As the land is intended to remain under agricultural use in perpetuity, further investigation was not warranted.

**State of Hawaii, Department of Education, HI, 2010 – Contract Value \$10,000.** Project Manager: Phase I Environmental Site Assessment, Phase II Sampling and Analysis Plan and Title Documents for Kalaheo Elementary School Land Acquisition, Kalaheo, Hawaii.

**Hawai'i State Department of Health, Kakaako Brownfield Unit 8 Site, HI, 2008 – Contract Value \$25,000.** Project Manager: Performed a preliminary site-specific Phase 2 assessment and screening level risk assessment of a former incinerator site slated for redevelopment. Contaminants of concern included heavy metals, dioxins and polycyclic aromatic hydrocarbons. Recommendations were made to conduct a site-specific baseline risk assessment that considers site-specific exposure assumptions, partitioning of data based on future land use and partitioning of data based on lateral and vertical dispersion of contaminants.

**County of Maui, Waiale Landfill, HI, 2008-2009 – Contract Value \$175,000.** Project Manager: Contracted by the County of Maui to perform a Phase II Site Investigation to evaluate existing site conditions at the Waiale Landfill. Previous environmental site assessments and investigations conducted for the adjacent roadway indicated that landfill waste was found in several locations along the roadway alignment during excavation activities for road construction. The Phase II delineated the limits of waste placement and property boundaries, by performing analysis of surface and trenched soils. Determined the thickness of the surface soil layer above the top waste layer within the landfill. Currently providing the County of Maui with an Engineering Evaluation and Cost Analysis (EECA) detailing closure options of the landfill.

**Native Hawaiian Veterans, USACE HED, Munitions Response Site Prioritization Protocol (MRSPP) for Defense Environmental Restoration Program, Formerly Used Defense Site (FUDS) of Opana Point Bombing Range, Opana Point, Island of Maui, Site No.H09HI027200 and Papohaku Target Range, Kaluakoi, Island of Molokai, Site No. H09HI0032, 2014- 2017 – Contract Value \$500,000.** Principal in Charge: Executed MRSPP to determine the relative risks posed at each of the sites; assistance with data gathering from state and local repositories; collecting appropriate information necessary to eliminate from further consideration those releases that pose no significant threat to public health or the environment; determining potential need for removal action and collecting or developing additional data to complete the MRSPP. Prepared project documents (UFP-QAPP, SAP) for a remedial investigation. COCs included metals, explosives and semivolatile organic compounds. Risk to human health and ecological receptors are evaluated.

**Long-Term Maintenance & Monitoring/ Remedial Action Operations for IRP Sites CF023, CG110, LF01, LF14, SS01, SS06, SS11, SS15 and Consolidation Unit at Joint Base Pearl Harbor – Hickam, HI, 2012-2017 – Contract Value \$500,000.** Principal in Charge: Performed annual inspections/maintain, and optimized long-term maintenance and monitoring (LTM) / Remedial Action Operations (RAO) (groundwater sampling) at eight Installation Restoration Program sites. The project consisted of inspecting, maintaining, and providing recommendations to optimize the existing remedies based on evaluation of all existing reports and recommendations for each site. Prepared all project documents including results of groundwater, soil vapor, landfill gas and apparent product thickness measurements.

**Institutional Controls for Safety Awareness, Defense Environmental Restoration Program, Formerly Used Defense Sites at Various Windward Oahu Projects, Island of Oahu, HI, 2014-2017 – Contract Value \$500,000.** Principal in Charge: Provided planning and producing institutional controls educational material for ensuring public safety from potential unexploded ordnance (UXO) at these sites. The institutional controls consist of materials oriented towards educating the public about the potential hazards from UXO found at these sites. Provided presentations to schools of affected areas and general public events.

**Coca Cola Bottling Enterprises, Oahu, HI, 2000-2010 – Contract Value \$750,000.** Project Manager: Conducted a Phase 2 and Phase 3 site investigation of soils and groundwater and site-specific risk assessment for the Coca Cola Bottling Facility. The site had undergone substantial remediation including removal of impacted soil, application of Oxygen Reaction Compounds (ORC) to groundwater and implementation of a Soil Vapor Extraction (SVE) System. Environmental Hazard Evaluation (Risk assessment) performed to determine the suitability of the property for future residential use. Chemicals of concern and pathways of concern include BTEX and fuel related compounds. Pathways of concern include direct contact with site media as well as vapor intrusion into buildings and ambient air.

**Sun Edison Inc., Mililani, HI, 2010-2011 – Contract Value \$15,000.** Principal in Charge: Multiple Phase I Environmental Site Investigations:

- Phase I Environmental Site Assessment for three (3) parcels of land located at 87-2018 Farrington Highway, 87-2019 Farrington Highway, and 87-1233 Hakimo Road, in Waianae, Hawaii (hereafter referred to as the Site). The Site was designated on Tax Maps as Tax Map Key (TMK) (1) 8-7-009-002, (1) 8-7-010-006, and (1) 8-7-010-010. TMK (1) 8-7-009-002 consisted of 236 acres of land, tmk (1) 8-7-010-006 consisted of 21.138 acres of land and tmk (1) 8-7-010-010 consisted of 2.755 acres of land. Additional soil investigation was recommended for 4 areas of the Site including soil near a large AST, a former salvage lot area, former pesticide mixing area and former firing range.
- Phase I Environmental Site Investigation for 91-399 Kauahi Street, Kapolei, Hawaii. The Site was designated on Tax Maps as TMK (1) 9-1-032-001. The 51-acre site was bordered by industrial property to the north, automobile storage to the west, Kalaeloa Airport to the East, and the continuation of the parcel to the south.
- Phase I Environmental Site Assessment for a 34.76-acre portion of lot within parcel TMK (1) 9-4-005:048 in Mililani, Hawaii. The Site was bordered by other agricultural lots in all directions.

**Kamehameha Schools, HI, 2008-2010 – Contract Value \$25,000.** Principal in Charge: Multiple Phase I Environmental Site Investigations:

- Phase I Environmental Site Assessment at the Jackson Volvo location, situated at 704 Ala Moana Boulevard in Honolulu, Hawai'i. The property evaluated was identified by Tax Map Keys (1) 2-1-055:002 (lot consisting of 0.8699 acres) and (1) 2-1-055:018 (lot consisting of 0.2789 acres).
- Phase I Environmental Site Assessment at multiple addresses located on Cooke Street, Auahi Street, and Pohukaina Street, Honolulu, Hawai'i. The property evaluated was identified by current Tax Map Key (1) 2-1-053:032 (lot consisting of 4.187 acres).
- Phase I Environmental Site Assessment at multiple addresses located on Ala Moana Boulevard, Coral Street, Keawe Street, and Auahi Street, Honolulu, Hawai'i. The property evaluated was identified by Tax Map Keys (1) 2-1-055:003 (lot consisting of 0.5306 acres), (1) 2-1-055:021 (lot consisting of 0.9256 acres), (1) 2-1-055:006 (lot consisting of 0.4904 acres), (1) 2-1-055:026 (lot consisting of 0.1148 acres), and (1) 2-1-055:038 (lot consisting of 0.8135 acres).
- Phase I Environmental Site Assessment at multiple addresses located on Kekuanaoa Street, Iolani Street, and Mililani Street in Hilo, Hawai'i. The property evaluated was identified by Tax Map Keys (3) 2-2-030:004 (lot consisting of 0.4171 acres), (3) 2-2-030:006 (lot consisting of 0.8245 acres), (3) 2-2-030:008 (lot consisting of 0.2686 acres), (3) 2-2-030:009 (lot consisting of 0.5165 acres), (3) 2-2-030:0010 (lot consisting of 0.2479 acres), (3) 2-2-030:0011 (lot consisting of 0.2365 acres), (3) 2-2-030:0012 (lot consisting of 0.8617 acres), and (3) 2-2-030:014 (lot consisting of 0.4018 acres).

**Hawaii Commercial Real Estate, 233 Merchant Street, Honolulu, HI, 2012-2014 – Contract Value \$15,000.** Principal in Charge: Performed a Phase 1 ESA in support of property transfer of a 5 story building located in downtown Honolulu. Results of the Phase 1 indicated potential subsurface soil contamination from TPH and PCB hydraulic fluids related to a decommissioned elevator and its associated equipment. ERA performed a Phase 2 Site assessment to determine extent of impacts.

**Crocodile Partners, 537 Ala Moana Blvd Phase 1 Environmental Site Assessment and Hazardous Materials Assessment, HI, 2013 – Contract Value \$10,000.** Principal in Charge: At the request of Crocodile Partners LLC, ERA performed a Phase I Environmental Site Assessment (ESA) for a single parcel of land located at 537 Ala Moana Blvd in Honolulu, Hawaii (hereafter referred to as the Site). The purpose of the ESA was to identify, to the extent feasible, Recognized Environmental Conditions (REC) associated with the Site. The investigation included a physical inspection of the property; review of current regulatory environmental database information; interviews of persons knowledgeable about the property, review of historical records; and preparation of a Phase I ESA Report. The ESA report conformed to the format outlined in the American Society for Testing and Materials (ASTM) Document E1527-05 and the USEPA All Appropriate Inquiries Rule. ERA was subsequently requested to perform a comprehensive hazardous materials assessment for the onsite structures. The survey consisted of lead and asbestos sampling and the production of a hazardous materials assessment report.

**Autopark USA, 771 Amana Street, Honolulu, HI, 2013 – Contract Value \$4,000.** Principal in Charge: Performed a Phase I Environmental Site Assessment (ESA) for the single parcel of land located at 771 Amana Street in Honolulu, Hawaii. The Phase 1 was used to establish innocent landowner status for the purchaser of the property prior to sale. The Site is designated on Tax Maps as TMK (1) 2-3-021-023 and consisted of 16,149 square feet of land. One (1) structure occupied the Site at the time of the assessment.

**USBank, HI, 2012-2013 – Contract Value \$25,000.** Principal in Charge: Multiple Phase I Site Assessments (various locations): At the request of USBank Dr. Okoji performed 6 Phase I Environmental Site Assessments (ESA) for multiple parcels of land in Honolulu, Hawaii. The purpose of the ESA was to identify, to the extent feasible, Recognized Environmental Conditions (REC) associated with the Site. The investigation included a physical inspection of the property; review of current regulatory environmental database information; interviews of persons knowledgeable about the property, review of historical records; and preparation of a Phase I ESA Report. The ESA report conformed to the format outlined in the American Society for Testing and Materials (ASTM) Document E1527-05 and the USEPA All Appropriate Inquiries Rule.

**USBank, HI, 2013 – Contract Value \$5,000.** Principal in Charge: Phase I ESA: Hawaiian Cement Warehouse located at 91-055 Kaomi Loop in Kapolei, Hawai'i. The property evaluated is identified by Tax Map Key (1) 9-1-026-06, lot consisting of 7.433 acres and three (3) buildings totaling 23,301 square feet.

**Maui Land and Pineapple, HI, 2008-2009 – Contract Value \$5,000.** Project Manager: Phase I ESA for the Maui Pineapple Company (MPC) Kahului Seed Site, located off Haleakala Highway, in Kahului, Maui. The subject site was a 2-acre portion of TMK (2) 3-8-79:13 (formerly TMK (2) 3-8-01:16).

**Marcus and Associates Inc. Kobe Steak House Phase I Environmental Site Assessment, HI, 2011 – Contract Value \$4,000.** Principal in Charge: At the request of Yamada Pacific Inc. and Marcus and Associates Inc., Environmental Risk Analysis LLC (ERA) performed a Phase I Environmental Site Assessment (ESA) for a single parcel of land located at 1841 Ala Moana Blvd in Honolulu, Hawaii. The Site is designated on Tax Maps as TMK (1) 2-6-009-006. The purpose of the ESA was to identify, to the extent feasible, Recognized Environmental Conditions (REC) associated with the Site. The investigation included a physical inspection of the property; review of current regulatory environmental database information; interviews of persons knowledgeable about the property, review of historical records; and preparation of a Phase I ESA Report. The ESA report conformed to the format outlined in the American Society for Testing and Materials (ASTM) Document E1527-05 and the USEPA All Appropriate Inquiries Rule.

### **Environmental Planning and Permitting**

**Bellavita, Inc., Napule Restaurant, Honolulu, HI, 2014-2015 – Contract Value \$20,000.** Principal Scientist: Prepared an Environmental Assessment for a proposed restaurant at the current charter boat building located between Kewalo Basin Harbor and Ala Moana Blvd. The existing structure was slated to be renovated and/or redeveloped to accommodate the needs of the proposed restaurant's operations, including the installation of a wood fired oven. Planned renovations also included site work for the construction of the outdoor seating patio. The proposed project was planned to encompass approximately 6,000 square feet within Kewalo Basin and will be occupied by an Italian Restaurant, Napule.

**Kewalo Waterfront Partners, Inc., Multi-use Facility, Honolulu, HI, 2014-2015 – Contract Value \$20,000.** Principal Scientist: Prepared an Environmental Assessment for a proposed multi-use facility encompassing approximately 2.1 acres within Kewalo Basin and located between Kewalo Basin Harbor and Ala Moana Beach Park in what is now a surface parking lot. The facility consists of four, two-level buildings with the majority on the second level equipped with an open deck and viewing spaces. Combined, the four buildings include almost 50,000 square feet of waterfront retail stores; small restaurants, cafes and bars; commercial office space; a live entertainment venue; and a large observation deck and signature multipurpose venue on the second floor. Additionally, the proposed project includes a 250-stall, multi-level parking structure.

**Confidential Client, Waimea Hawaii, 2016 – Contract Value \$30,000.** Principal Scientist: Performed a comprehensive biological survey of a 4.6 acre parcel in Waikaloa, North Kona District, Island of Hawai'i. The survey focused on plants and wildlife listed under the Endangered Species Act (50 CFR 17.11 and 50 CFR 17.12), the Migratory Bird Treaty Act (50 CFR 10.13), and the state list of threatened or endangered wildlife (Exhibit 2 and 3 HAR 13-124). The biological survey consisted of a pedestrian survey for flora and terrestrial faunal resources and a point count survey for avian resources. A data inquiry for records of listed threatened or endangered species for the parcel was conducted at the University of Hawaii Mānoa Center for Conservation Research and Training prior to the field survey.

**Covanta Energy, EIS for 3rd Boiler, City and County of Honolulu H-Power Facility, HI, 2008-2009 – Contract Value \$1,000,000.** EIS and Permitting Task Manager: Performed an Environmental Impact Statement to address the impact of a third combustion unit at the City and County of Honolulu H-Power waste to energy facility. Potential impacts addressed include noise, traffic, historical resources, soil, groundwater and surface water. Air impacts addressed in a PSD permit that included extensive modeling of emissions using screening models and AERMOD. Additional permitting support required for operation and construction of the facility included the solid waste management permit, NPDES operation, Conditional Use Permit, Wastewater Discharge, Stormwater, water use permit, Air Navigation and Clearance for Work in Airport Hazard Area, grading and drainage, NPDES Construction, well construction and pump installation and a permit to operate a sewage treatment facility. Dr. Okoji was also tasked with performance of a comprehensive multimedia risk assessment according to USEPA Human Health Risk Assessment Guidance for Combustor Facilities to address the human and ecological health impacts of the proposed combustion unit on neighboring communities. Also produced a Material Separation Plan and collected data for use in a Lifecycle Analysis pertaining to the recycling waste stream for the City and County of Honolulu.

**Covanta Energy, Stormwater Monitoring Plans, H-Power Facility, HI, 2011-2012 – Contract Value \$30,000.** Principal in Charge: Produced stormwater management plans for the H-Power facility. Plans included the facility Stormwater Management Plan (SWMP), Stormwater Pollution Control Plan (SWPCP) and Spill Prevention, Control, and Countermeasure Plan (Oil And Petroleum Products). Represented Covanta Energy in meetings with the State Department of Health during site inspections.

**Department of Public Works, Sydney, Nova Scotia, 2002-2003,** Task Manager: Assisted in performance of an Environmental Impact Analysis for air emissions associated with the environmental remediation of the Tar Ponds and Coke Ovens sites, which comprise over 100 hectares of industrial property containing 560,000 tonnes of soil contaminated with petroleum hydrocarbons, PAHs, and metals, 1,300 tonnes of PAH-contaminated sediments, 25,000 tonnes of coal-tar contaminated soil, 700,000 tonnes of sediments contaminated with PAHs and metals, and 35,000 tonnes of PCBs in excess of 50 ppm. Airborne constituents of concern included SO<sub>x</sub>, NO<sub>x</sub>, CO, and particulate matter from construction vehicles, particulate matter from excavation and grading activities, and site-related VOCs from excavation and stabilization activities. Evaluated air monitoring program and health-based air criteria. Estimated emissions from a proposed PCB combustor, which included PCBs, dioxins/furans, PAHs, and selected metals as Constituents of Potential Concern. Performed a worker and off-site resident risk assessment of the remediation of pond sediments containing PCBs, PAHs, other organic constituents and metals as well as similar risk assessments for the remediation

**East West Center, University of Hawaii, Manoa Campus, Honolulu, HI, 2013-2014 – Contract Value \$20,000.** Principal in Charge: Completed the NPDES permit application (Appendix L) for the East West Center decorative Koi pond. Performed initial discharge sampling for inclusion in the application. Negotiated chemical of concern list with the HDOH Clean Water Branch and enforcement division.

**FOPCO, Fort Shafter Building 145, Honolulu, HI, 2015-2016 – Contract Value \$25,000.** Principal in Charge: Prepared the Spill Prevention, Control, and Countermeasure Plan (SPCCP) for the removal, decontamination and disposal of one 12,000 gallon UST at Fort Shafter Building 145. Petroleum releases from these tanks which may be discovered during construction are subject to regulation and Hawaii Department of Health oversight under Hawaii Revised Statutes Chapter 128D, Hawaii Environmental Response Law (HERL) and Hawaii Administrative Rules Title 11, Chapter 451, State Contingency Plan. Provided environmental professional (EP) services during tank removal. Authored closure report.



**FOPCO, Schofield Barracks, Wahiawa, HI, 2015-2016 – Contract Value \$25,000.** Currently preparing the Spill Prevention, Control, and Countermeasure Plan (SPCCP) for the removal, decontamination and disposal of one 3,000 gallon UST at Schofield Barracks Building 2072. Petroleum releases from these tanks which may be discovered during construction are subject to regulation and Hawaii Department of Health oversight under Hawaii Revised Statutes Chapter 128D, Hawaii Environmental Response Law (HERL) and Hawaii Administrative Rules Title 11, Chapter 451, State Contingency Plan. Provided environmental professional (EP) services during tank removal. Authored closure report.

**Cloudbreak Hawaii LLC, Kapolei, O'ahu HI, 2013-2014 – Contract Value \$35,000.** Principal Planner: Prepared a HEPA and NEPA compliant EA for Cloudbreak Hawaii, LLC. The EA discussed the addition of affordable housing units to Hale Uhiwai Nalu, an 80-unit veterans housing and services building at Barbers Point. The project consisted of constructing additional structures on an adjacent parcel of land, approximately 6,000 square feet. The Proposed Action would add up to 72 affordable housing units for very low to moderate income households and make support services such as outreach, substance abuse treatment, employment training and placement, and housing transition easily accessible. The project was partially funded through the State Rental Housing Trust Fund (RHTF) and was conducted in collaboration with the Hawaii Housing Finance and Development Corporation and U.S. Department of Veteran Affairs. Public and various federal, state and city agencies were consulted during the EA process. Evaluations conducted as part of the planning initiative concentrated on the following potentially affected environments: Soils, Topography, and Geology, Ground and Surface Water, Air Quality and Climate, Biological Resources, Historic/Archaeological Resources, Land Use, Hazardous/Toxic Wastes, Utilities and Noise. No significant impacts were determined for the proposed project. Specific supplemental studies included an archeological inventory survey and site-specific biological resources survey.

**American Piping and Boiler, Campbell Industrial Park, Kapolei, HI, 2012-2013 – Contract Value \$50,000.** Principal in Charge: Prepared a Grading and Drainage Permit Application to convert a vacant lot to a construction laydown parcel for use in the H-Power expansion project. Project site is located in the City and County of Honolulu, Special Management Area and Coastal Zone Management Area. Completed and submitted the SMA permit application which required that an environmental assessment be conducted for the project. ERA was successful in negotiations with the City and County Department of Environmental Services and the Land Use Approvals division to exempt the project from the Chapter 343 requirement. The exemption required consultation with multiple agencies including the State of Hawaii Historic Preservation Division, USFW, Land Use Approvals, DBEDT, DoA, OHA, etc. The exemption allowed the project to move forward without unnecessary delays due to the EA process. ERA also provided services for completion of a building permit for the construction of 2 driveways and an NPDES permit application for the Department of Health Clean Water Branch. NPDES permit application required completion of a Storm Water Pollution Prevention Plan.

**City and County of Honolulu, Department of Environmental Services, H-Power, HI, 2015-2016 – Contract Value \$25,000.** Principal in Charge: Prepared an Emergency Action Plan for the City and County facility for the H-Power facility located in Campbell Industrial Park. The plan was composed of a Level 1 plan and Level 2 conditions and requirements. The H-POWER Emergency Action Plan delineates the authorities, responsibilities and procedures to be followed by employees in effectively responding to a disaster within the facility. The primary function of the H-POWER Emergency Action Plan is to prepare the facility to respond effectively and quickly to emergencies that occur within the facility or within the community. The plan governs the facility and its employees in the event of an emergency or disaster.

**City and County of Honolulu, Waimanalo Gulch Sanitary Landfill, HI, 2008-2009 – Contract Value \$75,000.** Project Manager: Provided an operational and design review of the City and County operated Waimanalo Gulch Municipal Solid Waste Landfill. Tasks included the review of waste acceptance and screening procedures, as assessment of the geotechnical stability of the landfill including assessment of the use of waste to energy ash as structural fill, compliance with regulatory agencies, spill prevention and response and emergency operations. Report was presented to the City Council and appropriate State agencies to facilitate discussion regarding waste management options for the island of Oahu. Project add-ons included evaluating the cause of elevated landfill temperatures within the landfill and providing a third party review of a Waste Management request for additional funds to operate the landfill.

**85-443 Waianae Valley Road Grading, Waianae, HI, 2012-2013 – Contract Value \$14,000.** Principal in Charge: Prepared a NPDES general permit coverage application for the State of Hawaii, Department of Health Clean Water Branch. NPDES permit coverage was required to manage stormwater runoff during construction activities to remove existing manmade ponds from a former dairy farm. Completed and submitted the NPDES Notice of Intent and Site-Specific Construction Best Management Practices Plan. ERA provided quantity of stormwater discharge calculations and designed BMPs which would meet both client and regulatory requirements.

**Environmental Science Corporation, Environmental Report (ER) for 3 Projects, U.S. Army Engineer District, Japan District, Okinawa, Japan, 2015-2016 – Contract Value \$40,000.** Principal Environmental Planner: Conducted an Environmental Review for three separately planned projects co-located on Kadena Air Base (KAB). Typically, each of the projects would be individually evaluated in separate documents. However, because they were all scheduled to begin construction in 2012 and because they were all co-located on KAB, it was appropriate to streamline the environmental evaluation process and consequently the documentation format, which resulted in a three-project environmental review. The 3 projects were:

- **Replace Bullet Road Bridge** – The U.S. Air Force proposed to repair and reconstruct the Bullet Road Bridge to meet current and future load capacity requirements of the munitions squadron. The existing Bullet Road Bridge is located along an alternate munitions transportation route that connects the airport runway at KAB with the Munitions Storage Annex. Natural weathering and normal operational wear of the Bullet Road Bridge has resulted in the bridge's current degraded state, which has deteriorated to a load capacity approximately 50% of its original design.
- **Department of Defense Education Activity (DODEA) MILCON School Replacements** – The DODEA proposed to conduct a series of replacement construction school projects at multiple sites over a period of 2-5 years with planned designed start dates scheduled for November 2012. Phase I of the DODEA project involves demolition of 49 existing family housing units to provide space for new construction and consolidated co-location of the Amelia Earhart Intermediate School (AEIS) and Bob Hope Primary School (BHPS). Phase II of the DODEA project involves construction of the new Stearley Heights Elementary School (SHES) and demolition of the old SHES. Phase III is to construct a new Kadena Elementary School (KES) in green space northeast of the old SHES site. Phase IV is the construction of the new Kadena High School (KHS) at the former KES site. This four-phase program will create adequate academic facilities that meet Department of Defense Dependents Schools DoDDS initiatives to increase classroom space for various plans and programs, such as the Reduced Pupil-Teacher Ratio (RPTR) initiative and the Department of Defense Education Activity DoDEA Technology Plan, which calls for increased computer laboratories in schools.
- **Special Action Committee on Okinawa (SACO) Agreement of 1996 Navy Relocation** – The Department of Defense (DOD) proposed to construct a single parking lot to serve all Navy facilities being relocated under the SACO program. The project, when completed, provides convenient access to support activities in the vicinity of the northeastern end of Runway F. The project also reconstructs parking areas that will be demolished or taken out of service in order to provide a site for the relocated Navy aircraft operations facilities. The project will include construction of sidewalks, a traffic light or pedestrian bridge, and new utilities such as storm drains and security lighting. The proposed action is consistent with the planned Navy Relocation activities related to the SACO Agreement.

**Hawai'i State Army National Guard, Keaukaha Military Reservation Consolidation, HI, 2008-2009 – Contract Value \$90,000.** Project Manager: Performed a NEPA and HEPA compliant Environmental Assessment for the consolidation of several Hawai'i National Guard facilities and construction and redevelopment of an existing military facility. Evaluated cumulative environmental impacts from the proposed project. Specific project issues include addressing potentially significant impacts on archaeological resources, historical buildings, determination and mitigation of potential impacts on historically significant trails and addressing the substantial public inquiry and comment regarding the project.

**U.S. Air Force Center for Environmental Excellence, Environmental Assessment (EA) for Beddown of the 604th Air Support Operations Center (ASOC), Oahu, HI, 2009-2010 – Contract Value \$100,000.** Principal Environmental Planner: Performed a NEPA and Chapter 343 State of Hawaii HEPA compliant environmental assessment to facilitate the beddown of the 604th ASOC on O'ahu, Hawai'i. Two principal technical services were provided: an Environmental Baseline Survey (EBS) and a NEPA and HEPA compliant EA. The EBS tasks were intended to provide thorough research, investigation, evaluation, documentation, and decision findings of the environmental conditions of the subject real property under consideration for the proposed beddown. The EA was necessary to determine if a Finding of No Significant Impact (FONSI) or the preparation of an Environmental Impact Statement (EIS) was required for the beddown. The EA addressed potential environmental impacts related to implementation of the proposed action and its alternatives; principal impact assessment is anticipated to focus on cultural resources management, hazardous and regulated materials and wastes, safety, infrastructure, and land use compatibility. A FONSI was determined for the proposed beddown project.

**Environmental Impact Statement (EIS), EIS Technical Support for Pohakuloa Training Area, State of Hawai'i Department of Transportation, HI, 2008-2009 – Contract Value \$40,000.** Principal Environmental Planner: Subcontracted by Okahara and Associates to provide EIS technical support for the State of Hawai'i Department of Transportation expansion of Saddle Road on the Big Island of Hawai'i. Specifically tasked with

determining the impacts from potential depleted uranium originating from PTA during military training activities to receptors that may traverse the proposed roadway. Project involves depleted uranium surface soil sampling and air modeling to receptor locations.

**City and County of Honolulu, Environmental Assessment for Expansion of Waianae Regional Park, Oahu, HI, 2008-2009 – Contract Value \$30,000.** Project Manager: Performed an Environmental Assessment for development and expansion of a regional park. Provided technical support regarding the unique geological fixtures that might pose developmental difficulties. Specific issues included, ancient Hawaiian archaeological burial grounds, the existence of multiple limestone sinkholes on site and unique endangered species.

**Environmental Science Corporation, Environmental Review (ER) for Proposed Kadena Industrial Park, U.S. Army Engineer District, Japan District, Okinawa, Japan, 2013-2014 – Contract Value \$40,000.** Principal Environmental Planner: Prepared an Environmental Review (ER) for a new industrial park at Kadena Air Base (KAB). Camp Kinser, located south of KAB, was proposed for closure as a result of mandates from the Special Action Committee on Okinawa (SACO) Agreement of 1996 and the Security Consultative Committee (SCC) Agreement of 2005. The mandates required the relocation of a number of industrial facilities. Two sites, Kadena Ammunition Storage Area (KASA) 1 and Chibana were identified as viable alternatives for construction of the new industrial park. The ER was in accordance with the following:

- Executive Order (EO) 12114, Environmental Effects Abroad of Major Federal Actions, dated January 4, 1979.
- DoDD 6050.7, Environmental Effects Abroad of Major Defense Actions, dated March 31, 1979.
- Japan Environmental Governing Standards (JEGS) September 2008
- Air Force Policy Directive 32-7006, Environmental Program in Foreign Countries, 29 April 1994
- Air Force Instruction 32-7061, The Environmental Impact Analysis Process, 12 March 2003
- National Historic Preservation Act of 1966, Section 402.

**Environmental Science Corporation, Environmental Review (ER) for Proposed Missile Storage Facility and Access Road, U.S. Army Engineer District, Japan District, Okinawa, Japan, 2013-2014 – Contract Value \$35,000.** Principal Environmental Planner: Currently preparing an ER for a proposed Missile Storage Facility in the Munitions Storage Area of KAB. The ER is being prepared for Kadena Air Base (KAB) through the US Army Corps of Engineers (USACE), Japan Engineer District (JED) to evaluate the potential environmental impacts that may occur as a result of the proposed actions at KAB. The Proposed Action is defined as the demolition of three (3) existing above ground magazines (AGM), construction and operation of two (2) consolidated MSF structures, and construction and maintenance of a new access road to accommodate munitions transport vehicles. The Proposed Action would be implemented under the authority of the FY14 Military Construction (MILCON), Army Patriot Missile Storage Facilities for the 1-1 Air Defense Artillery (ADA) Battalion.

**Environmental Science Corporation, USACE Japan District, Iwakuni, Japan, 2013-2014 – Contract Value \$40,000.** Principal Environmental Planner: Provided an Environmental Review (ER) to identify, document, and address potential environmental impacts associated with the construction and subsequent operation of a Type III Hydrant Fueling System and Supporting Structures. The action was proposed to improve safety, security, and logistics infrastructure at MCAS Iwakuni by providing a dependable, high volume and environmentally sound hydrant refueling system.

Effects of the Proposed Actions were analyzed as required by, and in accordance with:

- Executive Order (EO) 12114, Environmental Effects Abroad of Major Federal Actions, January 1979;
- Department of Defense (DoD) Directive 6050.7, Environmental Effects Abroad of Major Department of Defense Actions, March 1979; and
- Marine Corps Order (MCO) P5090.2A w/ch 2, Environmental Compliance and Protection Manual, May 2009.

Evaluations conducted as part of the planning initiative concentrated on the following potentially affected environments: Soils, Topography, and Geology; Ground and Surface Water; Air Quality and Climate; Biological Resources; Historic/Archaeological Resources; Hazardous/Toxic Wastes; Land Use; Utilities; and Noise.

**Environmental Science Corporation, USACE Japan District, Marine Corps Base Camp Butler, 2012-2013 – Contract Value \$40,000.** Principal Environmental Planner: Provided an Environmental Review (ER) to identify, document, and address potential environmental impacts associated with the construction a new elementary school. The proposed action included the demolition of an existing school and residential neighborhood. The ER was performed in accordance with:

- Executive Order (EO) 12114, Environmental Effects Abroad of Major Federal Actions, January 1979;

- Department of Defense (DoD) Directive 6050.7, Environmental Effects Abroad of Major Department of Defense Actions, March 1979; and
- Marine Corps Order (MCO) P5090.2A w/ch 2, Environmental Compliance and Protection Manual, May 2009.

**Enviroquest Inc, Environmental Assessment (EA) Iwakuni Marine Corp Air Station Golf Course, U.S. Army Corp Engineers (USACE), Iwakuni, Japan, 2008-2009 – Contract Value \$30,000.** Principal Environmental Planner: Subcontracted by EnviroQuest Inc. to perform an Environmental Report on behalf of the U.S. Army Corp of Engineers (USACE) Japan Environmental District and U.S. Marine Corp Air Station, Iwakuni. The Environmental Report was prepared to identify, document, and address potential environmental impacts associated with the construction and subsequent operation of a golf course and supporting structures on a former unregulated landfill. Specialty impact assessments required for the EA included geotechnical and human health risk assessments. Also required was an impacts assessment for biological resources, specifically the proposed action's impacts on the endangered white snake. Additional evaluations conducted as part of the planning initiative concentrated on the following potentially affected environments: Soils, Topography, and Geology, Ground and Surface Water, Air Quality and Climate, Biological Resources, Historic/Archaeological Resources, Land Use, Hazardous/Toxic Wastes, Utilities and Noise.

**Engineering/Remediation Resources Group Inc (ERRG), U.S. Army Corps of Engineers, Hawaii District, Haleiwa Landing Field, Oahu, HI, 2001 – Contract Value \$6,000.** Principal Scientist: Performed principal level review of a biological resources assessment for a formerly used defense site in Kawaihoa, Oahu, Hawaii. The scope of the assessment included a biological resources reconnaissance survey and consultation with appropriate federal and state agencies including the State of Hawaii Department of Land and Natural Resources Land Division, Hawaii State Office of Conservation and Coastal Lands, Hawaii National Heritage Program and the United States Fish and Wildlife. The assessment report provide a detailed analysis of potential biological impacts due to planned construction activities within the boundaries of the site and mitigation measures required to prevent significant adverse impact.

**Micon Real Estate, Environmental Assessment for Hale Ohana Affordable Housing Project, Koloa, Kauai and Maui, HI, 2008-2009 – Contract Value \$30,000.** Principal Environmental Planner: Assisted a real estate developer, Micon Real Estate, with the environmental review process of their proposed Hale Ohana affordable housing project, located in Koloa, Kauai and proposed Honokawai Villa Apartments affordable housing project, located in Lahaina, Maui. The existing 48-unit Hale Ohana Apartment complex and 56-unit Honokawai Villa Apartments is proposed to undergo a significant renovation in order to meet current health and safety codes, and to provide a higher quality of housing for those in need. After evaluation of the project description and applicable environmental and social factors, these projects were determined to be of minimal impact to the environment and would be of great benefit to the community. Dr. Okoji and his team were able to seek exemptions from the environmental review process for these projects and secure Letters of Negative Determination. This saved the client valuable time and funds.

**Project Manager, Aston Waikiki Beachside Hotel Renovation, Environmental Assessment (EA), Royal Kai Lani, O'ahu, HI, 2008-2009 – Contract Value \$35,000.** Conducted an Environmental Assessment EA for a \$7 million dollar renovation project in Honolulu, Hawai'i. The proposed project would renovate the Aston Waikiki Beachside Hotel into a luxury condominium, the Royal Kai Lani. A complete interior renovation would transform the structure from its existing 8-unit per floor hotel into a single unit per floor luxury suite. Public and various federal, state and city agencies were consulted during the EA process. The Final Environmental Assessment was accepted by the Department of Planning and Permitting and a Finding of No Significant Impact was designated. Dr. Okoji and his staff were also successful in obtaining the necessary Special Management Area Use Permit, Major (SMA) for the project.

**Belt Collins, Island of Hawai'i. Kawaihae-Mamalahoa Connector Road EIS Technical Support, HI, 2008-2009 – Contract Value \$40,000.** Project Manager: Provided EIS technical support for the construction and operation of a bypass road in the Mamalahoa, Waimea area of the Island of Hawai'i. Specifically subcontracted by Belt Collins to determine the environmental impacts of the proposed roadway on adjacent organic and conventional farm lands. Impacts assessed included the change in surface water potential and productivity of the land. Conversely, the assessment also evaluated the impact of farming practices on potential future users of the proposed road.

## Risk Assessment and Toxicology

**Engineering Remediation Resources Group (ERRG), Military Munitions Response Program, Remedial Investigation at Bellows Air Force Base, Waimanalo, HI, 2012-2014 – Contract Value \$60,000.** Principal in Charge: Assisted in preparing project documents (UFP-QAPP, APP, SHSP, WP, IDW Management Plan, Explosives Safety Plan) for a remedial investigation. The subjects of the RI are three MRA (MRA39, MRA40 and MRA43). The MRAs were recommended for further investigation under a Comprehensive Site Evaluation (CSE) Phase II. The objective of the RI was to further characterize the nature and extent of munitions constituents (MC)-related contamination in soil and determine if MEC is still present. The suspected MC consisted primarily of lead and small amounts antimony, arsenic, cadmium, copper, and zinc. As part of the RI, human health and ecological risk assessments were performed to characterize the risk from site metals to humans and wildlife.

**Environet Inc. Military Munitions Response Program, USACE Omaha District, RI/FS at Bellows Air Force Base, Waimanalo, HI, 2014-2017 – Contract Value \$100,000.** Principal in Charge: Provided work plan and feasibility study support from RI/FS through Decision Document in conjunction with the technical team and federal regulatory bodies. Currently preparing a supplemental ERA for the Feasibility Study. The Feasibility Study is a follow on study to the Remedial Investigation performed in 2012 and addressed datagaps identified in the RI and potential future use of the mangroves area as constituted wetland.

**Environet Inc. for U.S. Department of the Interior, National Park Service, Screening Level Human Health Risk Assessment, Asan Beach Unit, War in the Pacific National Park, Asan, Guam, 2013-2014 – Contract Value \$15,000.** Principal in Charge: Prepared a screening level human health risk assessment for munitions related chemicals. Risk assessment evaluated potential for health effects from the consumption metals and other COPCs in seafood.

**Engineering Remediation Resources Group (ERRG), Military Munitions Response Program, Remedial Investigation at Wake Island Airfield, Wake Island Atoll, 2012-2014 – Contract Value \$60,000.** Principal in Charge: Assisted in preparing project documents (UFP-QAPP, APP, SHSP, WP, IDW Management Plan) for a remedial investigation. The subject of the RI is a single MRA (MRA101, MRS SR001 – Small Arms Range). The MRA was recommended for further investigation under a Comprehensive Site Evaluation (CSE) Phase II. The objective of the RI was to further characterize the nature and extent of munitions constituents (MC)-related contamination in soil at MRA101. The suspected MC consists primarily of lead and small amounts antimony, arsenic, cadmium, copper, and zinc. As part of the RI, human health and ecological risk assessments are currently being performed to characterize the risk from site metals to humans and wildlife.

**US Army Garrison, Hawaii, Hawaii Makua Military Reservation, HI, 2014-2015 – Contract Value \$45,000.** Principal Risk Assessor. Produced a baseline HHRA in support of the Makua Military Reservation Live-Fire Training Area Supplemental Marine Resources Study of nearshore waters of Makua Beach, Kaena Point and Mokuleia Beach. The United States Army performed the Marine Resources Study to supplement an earlier 2009 Study. Biota samples for the analyses of constituents of concern were collected for two consecutive seasons at three locations from within the nearshore waters off Makua Beach, Ka'ena Point, and Mokule'ia Beach. The two analytical datasets were evaluated for human health risk from consumption of the seafood biota. Supported client at a public meeting by providing a presentation of risk results.

**Engineering Remediation Resources Group (ERRG), Military Munitions Response Program, Remedial Investigation at Hickam Air Force Base, Joint Base Pearl Harbor Hickam, HI, 2013-2014 – Contract Value \$45,000.** Assisted in preparing project documents (UFP-QAPP, APP, SHSP, WP, IDW Management Plan, Explosives Safety Plan) for a remedial investigation. Performed baseline human health and ecological risk assessments for munitions constituents (MC)-related contamination in soil, groundwater and sediment.

**Army National Guard, Fort Ruger, HI, 2006-2007 – Contract Value \$3,000,000.** Project Toxicologist: Conducted a site-specific lead risk assessment for a former rifle and pistol range. Receptors included children and adult visitors to the monument and onsite workers. Evaluated lead from several particle size fractions. Provided extensive technical support in developing field sampling plan and data objectives. Extensively involved in determining options for site cleanup and remediation. Risk assessment compared results from USEPA IEUBK and the California Department of Toxic Substance Control lead models.

**Environet Inc., Hawaii Undersea Military Munitions Assessment, HI, 2009-2010 – Contract Value \$40,000.** Principal Scientist: Dr. Okoji performed a human health risk assessment to support the U.S. Department of Defense's efforts to assess the potential risk to human health and the environment of an historic munitions disposal site located about 5 miles south of Pearl Harbor. Risk assessment was performed assuming recreational divers, adult and child subsistence fishermen, adult and child recreational fishermen and adult and child residents may be exposed to seafood contaminated with munitions-related compounds.

**Environet Inc. Waikane Valley HHRA, Waianae, HI, 2008-2009 – Contract Value \$45,000.** Principal Toxicologist: Hawaii has a number of active and transferred military training areas that have been contaminated by unexploded ordnance (UXO). The government has continued the complex task of remediating these lands of the explosives hazards, but the process is slow and expensive. There are public concerns about the status of the water and soils on and near these lands, and questions about how they are affected by both the chemicals present inside the remaining UXO as well as large pieces of explosives (energetics) which can remain in or around an area following low order detonations. Very little emphasis has been given to the assessment of area groundwater, soil contamination, and the resulting risk to humans and the environment from these munitions constituents (MC), especially in sub-tropical volcanic soils. Provided a Tier IA and Tier II HHRA for this UXO site. The site was approximately 20 acres and partitioned into 5 independent DUs. Risk assessment was performed assuming receptors would be exposed to average surface soil concentrations as determined by MI sampling techniques. A supplemental assessment was also conducted which included biased discreet sampling data collected from the immediate area around identified lead bullets as well as the MI data. Biased samples were area-weighted to ensure those locations did not disproportionately represent the concentrations on site.

**PVT Land Company, PVT Landfill, Nanakuli, HI, 2010-2012 – Contract Value \$50,000.** Principal in Charge: Produced a work plan and baseline human health risk assessment to evaluate recycling of construction and demolition (C&D) materials for use as fuel in a liquid gas manufacturing plant. The investigation was prepared to address Hawaii Department of Health (HDOH) concerns regarding the environmental and human health safety of recycling, including the use of a crushing/processing plant at the PVT Landfill Site. The proposed plant is part of a larger recycling initiative that when implemented will significantly reduce the volume of material going to landfill, provide the State with an additional renewable source of natural gas and align PVT operations with the State's Clean Energy Initiative and Integrated Solid Waste Management Plan. Specifically, the HDOH is concerned with the following potential impacts associated with the proposed recycling program: air/dust impacts during delivery of bulk material, air/dust impacts during mining of closed portions of the landfill for feedstock (bulk material), air/dust impacts during crushing and shredding of bulk material, air/dust impacts from onsite storage of processed material, leaching potential of stored feedstock or processed material.

**Insight Environmental, Former Lowry AFB, Aurora, CO, 2013-2014 – Contract Value \$40,000.** Principal Toxicologist. Produced a human health risk assessment for the Former Lowry Titan I, Missile Site 1, Complex 1C site located on the Former Lowry Bombing Range, in Arapahoe County, Colorado. The HHRA evaluated potential chemical releases identified in two (2) distinct areas or Decision Units (DUs). The first DU was defined as the former Incinerator Area. The second DU was defined as the former Chemical Waste Clarifier Area. The goal of the HHRA was to determine if concentrations of chemical constituents at each DU presented an unacceptable risk to human health. The relevant data sets for the Incinerator and Waste Clarifier Areas were reviewed to ensure that all applicable data were included in the HHRA. The following previous investigations have been conducted at Titan 1C: 1998 Site Inspection (SI), 2000 Remedial Investigation (RI), and a 2014 Data Gaps Investigation (DGI) and Pilot Study Activities Report. The chemical boundaries for this HHRA were limited to polycyclic aromatic hydrocarbons (PAHs) at the former Incinerator Area and polychlorinated biphenyls (PCBs) at the former Chemical Waste Clarifier Area. Other chemicals such as metals, volatile organic compounds (VOCs), and total petroleum hydrocarbons (TPH) were characterized in previous investigations and determined to not be of concern at the Site.

**Insynergy, USACE, JED, Sasebo, Japan, 2013-2014 – Contract Value \$40,000.** Principal Scientist. Conducted an air modeling study to evaluate ambient air quality concerns associated with an existing diesel boiler located adjacent to the proposed new E.J. King High School and Sasebo Elementary School at U.S. Fleet Activities Sasebo located in Sasebo, Nagasaki, Japan. This air modeling study was conducted to assess if the existing boiler plant poses a human health risk above regulatory levels of concern to students, teachers and workers at the proposed new high school and elementary school or if mitigation measures are required. In order to assess the air concentrations from the boiler, air dispersion modeling was conducted utilizing the United States Environmental Protection Agency regulatory model AERMOD Version 14134 (EPA, 2014a). Modeling input parameters, which consisted of nearby building dimensions, emission source parameters, meteorological data, and property boundary locations, were configured to run with the AERMOD dispersion model to estimate air pollution concentrations at various locations surrounding the existing boiler. In addition to the existing diesel fueled boiler, an assessment was conducted assuming the conversion from diesel fuel to natural gas. Projected natural gas consumption was calculated assuming the natural gas boiler would require the same heat input as the existing diesel fuel boiler.

**Insight Environmental, Vandenberg Air Force Base, CA, 2013-2015 – Contract Value \$75,000.** Produced a Human Health Risk Assessment (HHRA) as part of the revised Feasibility Study (FS) for Vandenberg Air Force Base (VAFB) Installation Restoration Program (IRP) Site ST042 (Component Decontamination Facility). The purpose of the HHRA was to assess risk to human health from soil and soil gas and to identify whether further evaluation is warranted if these media present unacceptable risks to current and potential future receptors. Site ST042 consists of a square, 10,000 square foot (ft<sup>2</sup>), single-story, cement-block structure (Building 7501),

surrounded by a 157,500 ft<sup>2</sup> asphalt-paved yard. The Site ST042 facility was used for testing Titan II rocket engines. Missile parts and missile service equipment contaminated with hypergolic fuels were also cleaned inside Building 7501 using trichloroethene (TCE), detergents, and water. After use, the spent solvent and water were directed to two USTs located beneath the paved area southeast of Building 7501. The two USTs were investigated and removed in 1992. Building 7501 is currently used to maintain tanker trucks that store and transport Jet Propellant No. 8 (JP-8). Site soil and soil gas were evaluated in the HHRA. Environmental data collected from 2007 to 2010 were deemed representative of current site conditions and were included in the data set. Maximum site soil concentrations were compared to residential U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) (EPA, 2015a). Indoor air screening levels were sourced from the EPA RSL Table (EPA, 2014a) and DTSC Note 3 revised RSLs (DTSC, 2014a) and used to calculate subslab soil gas and contaminant source soil gas screening levels by applying the default attenuation factors of 0.05 for existing residential subslab soil gas and 0.001 for future residential contaminant source soil gas (DTSC, 2011). Developed Risk-Based Cleanup Goals for the Site.

**SDV Engineering and Construction, NAVFAC Southwest, Marine Corps Air Station, Yuma, AZ, 2015 – Contract Value \$20,000.** Produced a Tier IA screening level human health risk assessment (HHRA) for the KMFP Fuel Site, located at MCAS, Yuma, Arizona. This Tier IA HHRA was prepared as part of this investigation to determine the potential for risk to hypothetical future residents using the groundwater for drinking water purposes, or associated with vapor intrusion from groundwater to indoor air.

**Environmental Science Corporation, Camp Zama Fuel Spill Characterization and Risk Assessment, Camp Zama, Japan, 2009-2010 – Contract Value \$45,000.** Principal Scientist: Prepared a site-specific human health and ecological risk assessment for the Camp Zama underground FJ-1 fuel pipeline leak. The leak was associated with a 52,000 gallon capacity FJ-1 fuel tank (1024-n) which supplies fuel to an incinerator day tank (106 gallons) and boiler tank. The amount leaked was estimated at 2,000 gallons. Immediately following the identification of the leak, emergency remedial activities were undertaken to clean up visible oil at the leak site, the surface of the Camp Zama retention pond and downstream creeks and outfalls. The purpose of the human health risk evaluation was to estimate potential risks to human and ecological health, if any, that may be posed by residual FJ-1 fuel following emergency remedial activities. The site-specific human health risk assessment also included a qualitative uncertainty analysis. AMEC provided significant input into the sampling and analysis plan. Two deliverables were produced including a comprehensive baseline human health and ecological risk assessment and a “concise” public version. The site-specific risk assessment has undergone regulatory review and has been accepted.

**Environmental Science International, US Navy, US Naval Base Yokosuka, Japan, 2011-2012 – Contract Value \$40,000.** Principal Toxicologist: Produced a Tier I, (Risk Based Screening) and Tier II (Baseline Human Health Risk Assessment) for A Tier IA Risk-Based Screening and Tier II Site-specific Baseline Human Health Risk Assessment (BHHRA) were prepared for two separate sites proposed for the new Kinnick High School at Naval Base Yokosuka, Japan. The assessment was conducted using all available data collected during Site investigations by ESI in 2010 and from relevant previous investigations. Receptors evaluated in this HHRA included current and future industrial Site workers, future construction workers, future high school students and hypothetical residents. Exposure pathways considered in the Tier I screening level assessment included: ingestion of soil, dermal contact and absorption of chemicals in soils, leaching potential, inhalation of chemicals via fugitive dust and inhalation of volatiles emanating from soil. Media evaluated included surface and subsurface soil only. Data was provided for multi-increment samples. Chemicals evaluated in the risk assessment included heavy metals, PCBs, dioxins, SVOCs, VOCs, chlorinated pesticides and organophosphate herbicides. Childhood risks calculated using Age-Dependent Adjustment Factors for mutagenic compounds.

**Element Environmental, US Navy, Sand Blast Grit Disposal Sites, Joint Base Pearl Harbor-Hickam, HI, 2012-2012 – Contract Value \$40,000.** Principal Toxicologist: Performed a Tier IA and Tier II human health risk assessment (HHRA) as part of the remedial investigation (RI) at the Sandblast Grit Disposal Sites located on the Waipio Peninsula, Joint Base Pearl Harbor-Hickam (JBPHH), Hawaii. The HHRA evaluated potential cancer risks and noncancer hazards to hypothetical future onsite residents (to provide baseline risk information only), current and future industrial site workers, future construction workers, and current and future trespassers/visitors. Based on the historical chemical data available for the Site, Site details and current and anticipated future Site use, the exposure routes evaluated included incidental ingestion, dermal contact with soil, and inhalation of fugitive dust from soil. The HHRA assumed that future soil removal or construction activities at the Site could bring subsurface soil to the surface. Each soil horizon was evaluated separately and assumed present at the surface available for exposure to all identified receptors.

**Enviroquest Inc., USACE Japan Environmental District, Iwakuni Japan, 2010 – Contract Value \$30,000.** Principal Scientist: Provided a human health risk assessment for an existing Solid Waste Landfill site located at U.S. Marine Corps Air Station (MCAS), Iwakuni, Japan. The landfill was defined by four (4) distinct zones, three (3) of which are similar in size and one (1) that was slightly larger than the others. A total of fifteen (15) soil vapor

samples were collected from the landfill. Three (3) soil vapor samples were collected from a medial transect of each of the (3) smaller zones, resulting in a total of nine (9) samples from the smaller zones, and six (6) were collected in the larger zone. In addition, nine (9) surface water samples were collected along various locations on the perimeter of the landfill.

The specific scenarios evaluated included hypothetical construction workers, golf course attendants and future users of the golf course. The human health risk assessment included a Tier IA: Risk Based Screening and Tier II: Baseline Human Health Risk Assessment and was performed in accordance with standard principles and approaches identified in the U.S. Navy Human Health Risk Assessment Guidance (Pioneer Technologies Corporation 2008) and the Department of Defense Vapor Intrusion Handbook (Tri-Service Environmental Risk Assessment Workgroup 2009), as well as the United States Environmental Protection Agency's (USEPA) Risk Assessment Guidance for Superfund (RAGS): Human Health Evaluation Manual, Part A (USEPA 1989) and other USEPA guidance documents. Risk assessment guidelines established by other federal agencies and state agencies were also considered when appropriate.

**US Navy, Marine Corp Base Hawaii (MCBH), Kaneohe, HI, 2008-2009 – Contract Value \$25,000.** Project Toxicologist: Performed a Tier IB site-specific human health risk assessment for property located in the vicinity of Mokapu Mall, between MacLachlan Street and McLennon Drive, at Marine Corps Base Hawai'i (MCBH) in Kane'ohe, Hawai'i. Specifically, the assessment evaluated health risks to human receptors that may work at or frequent a future Child Development Center proposed to be located at the Site.

**US Navy, NAF Atsugi, Japan, 2004-2005 – Contract Value \$30,000.** Project Toxicologist: Conducted a preliminary risk evaluation and site-specific assessment of surface and subsurface soils at a U.S. Naval facility in Atsugi, Japan. Contaminants of concern include PCBs, dioxin, arsenic, chlordane and DDD. Obtained regulatory site closure on a Naval base located outside the U.S. Risk assessment used to obtain No Further Action status.

**US Navy, Pearl Harbor HI, 2004-2006 – Contract Value \$50,000.** Project Manager: Provided extensive review and consulting on a previously conducted screening human health risk assessment for the site. Recalculated quantitative risk estimates using current and accepted EPA protocols and methodology. Provided technical support on the Site-specific Baseline Human Health Risk Assessment. Toxicological and risk assessment issues addressed include validity of modeling chemical concentrations in fish tissue from sediment concentrations, scientifically justifiable methodologies for estimating exposure point concentrations and the relevance of the TEF approach for estimating PCB risk. Risk assessment was used to make risk management decisions regarding the recreational use of the site.

**RMA Insight JV for USAF, Malmstrom Air Force Base, Mt, 2013-2014 – Contract Value \$25,000.** Principal in Charge: Produced a screening level ecological risk assessment (SLERA) as part of the Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) for storm drainage ditch site SD010 located on Malmstrom Air Force Base (MAFB), Great Falls, Montana. Previous ecological risk assessments (ERAs) conducted for this Site have indicated that the potential for risk to benthic macroinvertebrates may exist due to residual contaminants (i.e., chlorinated pesticides and polychlorinated biphenyls [PCBs]) in the sediment of the Site. The SLERA provided an update to the previous ERAs and assessed the current potential for risk to ecological receptors at the Site as well as the potential for future risk due to the transport of contaminants by water erosion into the ditch from the adjacent upland soils.

**PCR Environmental, Former Naval Station Agana, Guam, 2006-2007 – Contract Value \$30,000.** Principal in Charge: A site-specific Tier II (Baseline Human Health Risk Assessment) was prepared for the POI-3 and POI-18 sites located at the Former Naval Air Station Agana, Tiyan, Guam. Human health risks were estimated for future construction workers if construction work were conducted at the Site. Although exposure pathways were considered incomplete for future industrial/commercial workers and hypothetical residents, risk were estimated for these receptors assuming impacted soils are brought to the surface. The risk assessment provided further characterization of human health risks from Site soils resulting from past activities associated with the operation and maintenance of the facilities. Risk assessment has lifted all land use restrictions from both Sites.

**Okahara and Associates, Pohakuloa Training Area, HI, 2009-2010 – Contract Value \$60,000.** Project Manager: Contracted by Okahara and Associates to provide EIS technical support for the State of Hawai'i Department of Transportation expansion of Saddle Road on the Big Island of Hawai'i. Dr. Okoji was specifically tasked with determining the human health risk from potential depleted uranium originating from PTA during military training activities to receptors that may traverse the proposed roadway. Project involved depleted uranium surface soil sampling and air modeling to receptor locations. Project deliverables included a Sampling and Analysis Plan, the results of the surface soil sampling event, a source determination and background evaluation and Human Health Risk Assessment (HHRA) for uranium (U) isotopes. The assessment addressed the public's concern that depleted uranium originating from military operations at PTA may impact the health of those that may be involved in the construction of the proposed alignment as well as those that may use the road in the future. The risk assessment



considered both chemical and radiological toxicity from uranium. Assisted Okahara in responding to community comments in the EIS at 2 public meetings.

**US Navy, Orote Landfill, Guam, 2002-2006 – Contract Value >5,000,000.** Senior Toxicologist: Performed a preliminary human health risk evaluation and baseline human health risk evaluation for seafood sourced from the Marine DU of the Orote Landfill Site. Chemicals of concern included PCBs, dioxins/furans, metals, chlorinated pesticides, PAHs and Ordnance compounds. Provided extensive technical support on PCB and Dioxin risk assessment on behalf of Navy clients in numerous face-to-face conferences with the EPA, Guam EPA, ATSDR and the public. Successful in negotiations with EPA Region 9 to make risk management decisions based on more realistic data supported by site-specific conditions rather than overly conservative default assumptions. Provided the Navy with technical arguments on the complexities of interpreting information from biomarker data as well as extensive toxicological support regarding the carcinogenic evaluation of PCBs. Significant participation in developing and evaluating data from a seafood consumption survey in the Agat Bay area on the island of Guam. Extensive involvement in development and implementation of a more comprehensive study to evaluate human health risks associated with the Orote Landfill site. Developed site conceptual models and exposure routes. Represented Navy client in numerous interactions with the people of Guam. Received commendations from the Navy and ATSDR for public support efforts. Risk assessments have released the Navy from potential liability along approximately three miles of coastline on the Orote Peninsula.

**Environet Inc., Ordnance Reef, HI, 2008-2010 – Contract Value \$150,000.** Principal Scientist: Provided human health and ecological risk assessment support for an underwater munitions site off the Waianae Coast of Oahu, HI. Dr. Okoji was specifically tasked with reviewing and providing input on the project Sampling and Analysis Plan, development of the Conceptual Site Model and providing a human health and ecological risk assessment. The human health risk assessment addressed carcinogenic and noncarcinogenic risks to recreational divers, adult and child subsistence fishermen and adult and child recreational fishermen. Media evaluated included: sediment, water, fish and invertebrate tissues. Dr. Okoji and his staff designed and implemented a program to assess seafood consumption habits of the Waianae community. This data was accepted by regulatory agencies and used in the HHRA. Dr. Okoji also attended and present results of the risk assessment at various regulator and public meetings on behalf of Environet and the USACE.

**AMEC Earth and Environmental Inc, US Navy, Pearl City Fuel Annex, 2010-2011 – Contract Value \$48,000.** Principal Toxicologist: Conducted a limited Tier II site-specific human health risk assessment for the Pearl City Fuel Annex site (PCFA), located in the Pearl Harbor Naval Complex (PHNC), Hawaii. Human health risks were estimated for a potential trespasser and maintenance worker scenario exposed to surficial soils. This risk assessment provided further characterization of human health risks from surface soil impacts resulting from past site activities associated with the operation and maintenance of the facility. Potential sources of contamination include: product releases, the sandblasting and painting of above-ground storage tanks (ASTs) and associated pipelines, and past tank sludge and condensate disposal practices. Currently conducting a Tier I, (Risky Based Screening) and Tier II (Baseline Human Health Risk Assessment) for the PCFA Site. Exposure pathways evaluated included dermal contact and oral ingestion of contaminated soils and inhalation of ambient air. 649 surface and subsurface soil samples from 9 total investigations are included in the analysis. Receptors include current and future industrial workers, construction workers, offsite residents and trespassers.

**Environmental Science International, US Navy, Pearl Harbor Naval Complex, Building 35, HI, 2011-2012 – Contract Value \$40,000.** Principal Toxicologist: Performed a Tier I, (Risky Based Screening) and Tier II (Baseline Human Health Risk Assessment) for an area north of Paint Shop Building 35 located in the Public Works Center (PWC) Geographic Study Area (GSA) within the Pearl Harbor Naval Complex (PHNC) on the island of Oahu, Hawaii. The risk assessment provided further characterization of human health risks from surface and subsurface soil impacts resulting from past site activities associated with the operation and maintenance of the Site. The assessment was conducted using all available data collected during Site investigations by ESI in December of 2009 and from relevant previous investigations. Receptors evaluated in this HHRA included current and future industrial Site workers, future construction workers and hypothetical residents. Exposure pathways considered in the Tier I screening level assessment included: ingestion of soil, dermal contact and absorption of chemicals in soils, leaching potential, inhalation of chemicals via fugitive dust and inhalation of volatiles emanating from soil. Media evaluated included surface and subsurface soil only. The Site was treated as a single Decision Unit (i.e., receptors were assumed to be exposed to all areas of the Site and not just specific areas). Chemicals evaluated in the risk assessment included heavy metals, PCBs, acetone, ethylbenzene and toluene.

**Environmental Science International, US Navy, Abandoned Small Arms Firing Range, Lualualei, HI, 2011-2012 – Contract Value \$40,000.** Principal Toxicologist: Provided human health and ecological risk assessment support for a former abandoned small arms firing range. Risk assessment included a Tier IA and Tier II HHRA and

ERA. Chemicals of potential concern included lead only. Child lead exposures were evaluated with USEPA's IEUBK Child Lead Model. Adult lead exposures were evaluated with USEPA's Adult Lead Model.

**US Navy, Red Hill, HI, 2004-2006 – Contract Value \$50,000.** Task Manager: Performed a comprehensive Exposure Assessment and Multimedia Preliminary Human Health Risk Evaluation for past and potential releases of petroleum compounds, including PAHs from the Navy's Red Hill Storage Tanks in the mountainside adjacent to and above Pearl Harbor. Tasks included the evaluation of risk from historical or accidental releases of hazardous substances and its impact to human and ecological health. Both site-specific concentrations as well as possible catastrophic release scenarios were evaluated. Modeling of potential releases required multidisciplinary input from toxicologists, geologist, GIS specialists, groundwater modelers, and remedial engineers. Pivotal in developing site conceptual models and exposure routes.

**Rocketdyne Propulsion and Power, Santa Susana Field Laboratory (SSFL), CA, 2004-2006 – Contract Value \$150,000.** Project Manager: Provided site-specific human health risk assessments for The Boeing Company, Rocketdyne Propulsion and Power, NASA and the DOE as part of the RCRA Corrective Action Program at the SSFL. The risk assessments were conducted in response to requirements specified in three Hazardous Waste Permits issued to Rocketdyne by DTSC. Chemicals of concern include Total Petroleum Hydrocarbons, PCBs, PAHs, benzene, toluene, ethylbenzene, xylene, naphthalene, volatile organic compounds, semivolatile organic compounds and metals.

**U.S. Army Corp of Engineers, Fort Irwin, CA, 2008-2009 – Contract Value \$45,000.** Project Toxicologist: Performed site-specific human health risk assessments at 14 Hazardous Waste Management Units at the U.S. Army National Training Center at Fort Irwin, California. Responsibilities include risk assessment approach negotiations with the Department of Toxic Substances Control Human and Ecological Risk Division and performance, standardization of methodology and performance of the risk assessments.

**AMTRAK: Redondo Junction Site-Wide and Location Specific HHRA, Los Angeles, CA, 2006-2009 – Contract Value \$125,000.** Principal Toxicologist. Assisted in the development of work plans and field sampling plans. Prepared site-specific human health risk assessments for the Amtrak Redondo Junction located in Los Angeles, California. Risk assessments were prepared to determine if chlorinated solvents and other volatile chemicals were posing an unacceptable indoor air human health risk to Amtrak workers at the facility as a whole as well as specifically in Building 18. Workers within various structures at the Site were evaluated for exposures to volatile chemicals resulting from subsurface vapor intrusion. Data assessed in the quantitative analysis included soil vapor data collected in a February 15, 2010 soil vapor investigation. In total, 9 soil vapor samples (8 primary samples and 1 duplicate) were collected at the perimeter of Building 18 and analyzed for the EPA TO-15 Super suite of compounds and Gasoline Range Total Petroleum Hydrocarbons (TPH). 80 other SV samples were collected from other areas of the Site. 19 constituents were detected in soil vapor at the Site. These chemicals include, TPH-Gasoline, BTEX, 1,1,1-Trichloroethane, PCE, and TCE.

**Hawai'i Department of Health, Lead in Drinking Water Study at all DHS Licensed Child Care Centers, State of HI, 2007-2009 – Contract Value \$1,000,000.** Program Manager: Provided technical and public relations support to the State of Hawai'i Department of Health's Safe Drinking Water Branch regarding a State-wide testing program of all drinking water sources at registered child care facilities. The federally-funded program was intended to help safeguard young children who are considered to be more vulnerable to lead exposure. With over 1,000 registered facilities this project is one of the largest drinking water sampling tasks of its kind in the State of Hawai'i. Produced a state of the art information technology resources database to manage everything from scheduling and routing, to correspondence management and results analysis and reporting. In coordination with the laboratory undertaking the analysis, Dr. Okoji implemented a highly automated system to manage the receipt and analysis of results. All results were automatically imported into an electronic database system and analyzed. If lead was found at levels above the acceptable limit, Dr. Okoji implemented a range of notification procedures to prevent further potential exposure of children to the lead and also provided in-depth lead abatement strategies to the facility owners and/or managers. As part of this process, a series of informational packets were prepared to update the multiple government entities, including the Safe Drinking Water Branch and the Department of Human Services. During this process, Dr. Okoji also served as the HDOH and DHS public media representative in a KHON news story.

**Hawai'i State Department of Health, Keaukaha, HI, 2004-2005 – Contract Value \$30,000.** Project Manager: Conducted an ambient air characterization study and baseline human health risk assessment of a light industrial district and airport. Industries present and areas of concern include airline industries, harbor facilities, diesel fueling station and truck yard, auto paint shops, wood treatment plants, fiberglass shops, compressed gas industries, petroleum storage tanks, naphthalene storage tanks, propane storage tanks and an old sewage treatment facility. Ambient air monitoring utilized passive GoreSorber sampling devices as well as active Hi-vol samplers. GoreSorbors allowed evaluation of air impacts over a 7-day period. Traditional active samplers capture significantly

shorter periods of time. Receptors evaluated include residents living in the nearby Hawaiian Homelands residential district. Assisted the Department of Health in communicating potential risks to residents at several public meetings.

**W.H. Shipman Ltd, Kea'au, HI, 2002-2004 – Contract Value \$50,000.** Project Manager: Performed a Phase 2 soil characterization and Phase 3 risk assessment of former sugar cane lands contaminated with arsenic, lead, pesticides and herbicides. Supporting client's efforts to develop land under a future residential use scenario. Using bioaccessibility data gathered for the site in arguments to the HDOH. Providing extensive community relations and regulatory agency support.

**CSV Hospitality LLC, Kea'au, HI, 2004-2005 – Contract Value \$40,000.** Project Manager: Performed site investigation and a site-specific risk assessment for a 5-acre site in Kea'au, HI. Site was formally used for agriculture and was heavily contaminated with high levels of arsenic. Provided extensive community relations and regulatory agency support over a 2 year period. Held public meetings in collaboration with the HDOH. Produced engineering cost analysis, mitigation and implementation plans. Successful in obtaining regulatory support for construction of a hotel and commercial facility at the site without soil removal.

**Matsubara, Lee and Kotake, HI, 2004-2005 – Contract Value \$90,000.** Project Manager: Provided litigation support regarding a property that was the site of an automobile dealership, a warehouse and a former wood treatment site. Chemicals of concern include pesticides used in wood preservation: arsenic, chromium, dioxins/furans, and pentachlorophenol as well as other heavy metals. Evaluated soil and groundwater data and attended meetings with plaintiffs' consultants. Risk assessment used to define the cleanup level goals and areas of remediation.

**Hawai'i State Department of Health, PVT Landfill, HI, 2008-2009 – Contract Value \$60,000.** Project Manager: Performed an air monitoring and human health risk assessment of a municipal solid waste and construction and demolition landfill. Chemicals evaluated include landfill gases and heavy metals. Receptors evaluated include nearby residents. Assisted Department of Health in communicating potential risks to the community.

**City and County of Honolulu, Waimanalo Landfill, HI, 2008-2009 – Contract Value \$150,000.** Project Manager: Prepared human health risk assessment of the beneficial use of municipal solid waste incinerator ash from the City and County of Honolulu's H-Power facility. The project considered the proposed use of the ash *in lieu* of clay as part of the final cover in the closure of a city-owned landfill. The risk assessment considered risks from lead, other heavy metals, and dioxin and furan congeners. Risks during and after the closure were evaluated under several potential scenarios. Receptors included workers, on-site trespassing children, and off-site children. Affected media included the ash, ash leachate, ash-derived dust, surface water and sediment in Pearl Harbor, and fish. Dust generation and dispersion modeling was performed as well as modeling of surface runoff of ash into nearby surface water and sediment. Ash-specific absorption adjustment factors were derived. On-going projects include risk evaluation of other beneficial uses of the ash, including use as daily cover at an operating municipal landfill and use as aggregate in the road materials.

**City and County of Honolulu, Waipahu Incinerator, HI, 2004-2010 – Contract Value \$55,000.** Project Manager: Performed a human health risk assessment of soil, municipal waste combustion ash, and debris present at the site of the former Waipahu Incinerator Complex and the adjacent Waipahu Ash Landfill. Receptors included City workers from who currently occupy the old incinerator building, nearby residents, and children who frequent the nearby Waipio Peninsula Soccer Complex. Designed and executed real-time monitoring of ambient airborne respirable dust levels indoor and outdoors. Prepared technical memorandums regarding penalties assessed by the State Department of Health. Developed supplemental environmental programs for the city for use in penalty negotiations. Completed work plans required for the closure of the Waipahu Incinerator Complex.

**Costco Wholesale Corporation, HI, 2002-2003 – Contract Value \$40,000.** Project Manager: Performed a site-specific human health risk assessment for a commercial property undergoing a site evaluation for property transfer. The former MGP site had a history of petroleum product releases. Contaminants of concern included Total Petroleum Hydrocarbons, PCBs, PAHs, benzene, toluene, ethylbenzene, xylene, naphthalene and heavy metals. Evaluated the potential carcinogenic and noncarcinogenic risks from contact with site soil and groundwater via ingestion and dermal absorption via TPH Working Group and State of Massachusetts methodologies. Assessed the health hazards of inhaling soil vapor in both ambient surroundings and within the warehouse store using laboratory-specific data as well as data obtained from mathematical modeling from free product, groundwater and soil concentrations. Derived chemical specific absorption factors for site chemicals including arsenic and several PAHs. Evaluated soil, soil vapor and groundwater data and advised Brewer Environmental consultants, Costco attorneys and parties involved in the land transfer on appropriate cleanup goals. Risk assessment successfully used by Costco to obtain letter of completion within the Hawai'i State Department of Health's Voluntary Response Program.

**Honolulu Resource Recovery Venture, HI, 2004-2005 – Contract Value \$150,000.** Evaluated the potential use of municipal solid waste incinerator ash as an aggregate in roadway materials. Performed data collection, summary and analysis of total and respirable particulates in air due to road demolition activities of ash-amended asphalt. Ambient air monitoring data and air-modeling techniques were used to estimate COPC concentrations in soil and

air. Particulate deposition data was used to model COPC uptake into plants that could potentially be consumed by humans. Health risks were evaluated for potential receptors using estimated heavy metal content of site-specific media.

**Sprint Lot Risk Assessment, HI, 2003-2004 – Contract Value \$40,000.** Project Manager: Performed a site-specific human health risk assessment for a commercial property and office building. The former MGP site had a history of petroleum product releases, an onsite fuel pipeline and free product releases under the office building. Contaminants of concern included Total Petroleum Hydrocarbons, PAHs, benzene, toluene, ethylbenzene, xylene, naphthalene etc. Evaluated the potential carcinogenic and noncarcinogenic risks from contact with site soil, groundwater, soil vapor and weathered kerosene-like free product. Assessed the health hazards of inhaling soil vapor in both ambient surroundings and within the Sprint Office Building using laboratory-specific data as well as data obtained from mathematical modeling from free product, groundwater and soil concentrations. Derived chemical specific absorption factors for site chemicals including arsenic and several PAHs. Advised Brewer Environmental consultants and the owners of the property of potential health risks and remedial alternatives.

**Native Hawaiian Veterans, USACE HED, Munitions Response Site Prioritization Protocol (MRSPP) for Defense Environmental Restoration Program, Formerly Used Defense Site (FUDS) of Opana Point Bombing Range, Opana Point, Island of Maui, Site No.H09HI027200 and Papohaku Target Range, Kaluakoi, Island of Molokai, Site No. H09HI0032, 2014- 2017 – Contract Value \$500,000.** Principal in Charge: Executed MRSPP to determine the relative risks posed at each of the sites; assistance with data gathering from state and local repositories; collecting appropriate information necessary to eliminate from further consideration those releases that pose no significant threat to public health or the environment; determining potential need for removal action and collecting or developing additional data to complete the MRSPP. Prepared project documents (UFP-QAPP, SAP) for a remedial investigation. COCs included metals, explosives and semivolatile organic compounds. Risk to human health and ecological receptors are evaluated.

**Long-Term Maintenance & Monitoring/ Remedial Action Operations for IRP Sites CF023, CG110, LF01, LF14, SS01, SS06, SS11, SS15 and Consolidation Unit at Joint Base Pearl Harbor – Hickam, HI, 2012-2017 – Contract Value \$500,000.** Principal in Charge: Performed annual inspections/maintain, and optimized long-term maintenance and monitoring (LTM) / Remedial Action Operations (RAO) (groundwater sampling) at eight Installation Restoration Program sites. The project consisted of inspecting, maintaining, and providing recommendations to optimize the existing remedies based on evaluation of all existing reports and recommendations for each site. Prepared all project documents including results of groundwater, soil vapor, landfill gas and apparent product thickness measurements.

**Institutional Controls for Safety Awareness, Defense Environmental Restoration Program, Formerly Used Defense Sites at Various Windward Oahu Projects, Island of Oahu, HI, 2014-2017 – Contract Value \$500,000.** Principal in Charge: Provided planning and producing institutional controls educational material for ensuring public safety from potential unexploded ordnance (UXO) at these sites. The institutional controls consist of materials oriented towards educating the public about the potential hazards from UXO found at these sites. Provided presentations to schools of affected areas and general public events.

**Coca Cola Bottling Enterprises, Oahu, HI, 2000-2010 – Contract Value \$750,000.** Project Manager: Conducted a Phase 2 and Phase 3 site investigation of soils and groundwater and site-specific risk assessment for the Coca Cola Bottling Facility. The site had undergone substantial remediation including removal of impacted soil, application of Oxygen Reaction Compounds (ORC) to groundwater and implementation of a Soil Vapor Extraction (SVE) System. Environmental Hazard Evaluation (Risk assessment) performed to determine the suitability of the property for future residential use. Chemicals of concern and pathways of concern include BTEX and fuel related compounds. Pathways of concern include direct contact with site media as well as vapor intrusion into buildings and ambient air.

- Phase I Environmental Site Assessment at multiple addresses located on Cooke Street, Auahi Street, and Pohukaina Street, Honolulu, Hawai'i. The property evaluated was identified by current Tax Map Key (1) 2-1-053:032 (lot consisting of 4.187 acres).
- Phase I Environmental Site Assessment at multiple addresses located on Ala Moana Boulevard, Coral Street, Keawe Street, and Auahi Street, Honolulu, Hawai'i. The property evaluated was identified by Tax Map Keys (1) 2-1-055:003 (lot consisting of 0.5306 acres), (1) 2-1-055:021 (lot consisting of 0.9256 acres), (1) 2-1-055:006 (lot consisting of 0.4904 acres), (1) 2-1-055:026 (lot consisting of 0.1148 acres), and (1) 2-1-055:038 (lot consisting of 0.8135 acres).
- Phase I Environmental Site Assessment at multiple addresses located on Kekuaaoa Street, Iolani Street, and Mililani Street in Hilo, Hawai'i. The property evaluated was identified by Tax Map Keys (3) 2-2-030:004 (lot consisting of 0.4171 acres), (3) 2-2-030:006 (lot consisting of 0.8245 acres), (3) 2-2-030:008 (lot consisting of 0.2686 acres), (3) 2-2-030:009 (lot consisting of 0.5165 acres), (3) 2-2-030:0010 (lot

consisting of 0.2479 acres), (3) 2-2-030:0011 (lot consisting of 0.2365 acres), (3) 2-2-030:0012 (lot consisting of 0.8617 acres), and (3) 2-2-030:014 (lot consisting of 0.4018 acres).

**Covanta Energy, EIS for 3rd Boiler, City and County of Honolulu H-Power Facility, HI, 2008-2009 – Contract Value \$1,000,000.** EIS and Permitting Task Manager: Performed an Environmental Impact Statement to address the impact of a third combustion unit at the City and County of Honolulu H-Power waste to energy facility. Potential impacts addressed include noise, traffic, historical resources, soil, groundwater and surface water. Air impacts also addressed in a PSD permit. Additional permitting support required for operation and construction of the facility included the solid waste management permit, NPDES operation, Conditional Use Permit, Wastewater Discharge, Stormwater, water use permit, Air Navigation and Clearance for Work in Airport Hazard Area, grading and drainage, NPDES Construction, well construction and pump installation and a permit to operate a sewage treatment facility. Dr. Okoji was also tasked with performance of a comprehensive multimedia risk assessment according to USEPA Human Health Risk Assessment Guidance for Combustor Facilities to address the human and ecological health impacts of the proposed combustion unit on neighboring communities. Also produced a Material Separation Plan and collected data for use in a Lifecycle Analysis pertaining to the recycling waste stream for the City and County of Honolulu.

**Covanta Energy, Stormwater Monitoring Plans, H-Power Facility, HI, 2011-2012 – Contract Value \$30,000.** Principal in Charge: Produced stormwater management plans for the H-Power facility. Plans included the facility Stormwater Management Plan (SWMP), Stormwater Pollution Control Plan (SWPCP) and Spill Prevention, Control, and Countermeasure Plan (Oil And Petroleum Products). Represented Covanta Energy in meetings with the State Department of Health during site inspections.

**East West Center, University of Hawaii, Manoa Campus, Honolulu, HI, 2013-2014 – Contract Value \$20,000.** Principal in Charge: Completed the NPDES permit application (Appendix L) for the East West Center decorative Koi pond. Performed initial discharge sampling for inclusion in the application. Negotiated chemical of concern list with the HDOH Clean Water Branch and enforcement division.

**FOPCO, Fort Shafter Building 145, Honolulu, HI, 2015-2016 – Contract Value \$25,000.** Principal in Charge: Prepared the Spill Prevention, Control, and Countermeasure Plan (SPCCP) for the removal, decontamination and disposal of one 12,000 gallon UST at Fort Shafter Building 145. Petroleum releases from these tanks which may be discovered during construction are subject to regulation and Hawaii Department of Health oversight under Hawaii Revised Statutes Chapter 128D, Hawaii Environmental Response Law (HERL) and Hawaii Administrative Rules Title 11, Chapter 451, State Contingency Plan. Provided environmental professional (EP) services during tank removal. Authored closure report.

**FOPCO, Schofield Barracks, Wahiawa, HI, 2015-2016 – Contract Value \$25,000.** Currently preparing the Spill Prevention, Control, and Countermeasure Plan (SPCCP) for the removal, decontamination and disposal of one 3,000 gallon UST at Schofield Barracks Building 2072. Petroleum releases from these tanks which may be discovered during construction are subject to regulation and Hawaii Department of Health oversight under Hawaii Revised Statutes Chapter 128D, Hawaii Environmental Response Law (HERL) and Hawaii Administrative Rules Title 11, Chapter 451, State Contingency Plan. Provided environmental professional (EP) services during tank removal. Authored closure report.

**Cloudbreak Hawaii LLC, Kapolei, O'ahu HI, 2013-2014 – Contract Value \$35,000.** Principal Planner: Prepared a HEPA and NEPA compliant EA for Cloudbreak Hawaii, LLC. The EA discussed the addition of affordable housing units to Hale Uhiwai Nalu, an 80-unit veterans housing and services building at Barbers Point. The project consisted of constructing additional structures on an adjacent parcel of land, approximately 6,000 square feet. The Proposed Action would add up to 72 affordable housing units for very low to moderate income households and make support services such as outreach, substance abuse treatment, employment training and placement, and housing transition easily accessible. The project was partially funded through the State Rental Housing Trust Fund (RHTF) and was conducted in collaboration with the Hawaii Housing Finance and Development Corporation and U.S. Department of Veteran Affairs. Public and various federal, state and city agencies were consulted during the EA process. Evaluations conducted as part of the planning initiative concentrated on the following potentially affected environments: Soils, Topography, and Geology, Ground and Surface Water, Air Quality and Climate, Biological Resources, Historic/Archaeological Resources, Land Use, Hazardous/Toxic Wastes, Utilities and Noise. No significant impacts were determined for the proposed project. Specific supplemental studies included an archeological inventory survey and site-specific biological resources survey.

**American Piping and Boiler, Campbell Industrial Park, Kapolei, HI, 2012-2013 – Contract Value \$50,000.** Principal in Charge: Prepared a Grading and Drainage Permit Application to convert a vacant lot to a construction laydown parcel for use in the H-Power expansion project. Project site is located in the City and County of

Honolulu, Special Management Area and Coastal Zone Management Area. Completed and submitted the SMA permit application which required that an environmental assessment be conducted for the project. ERA was successful in negotiations with the City and County Department of Environmental Services and the Land Use Approvals division to exempt the project from the Chapter 343 requirement. The exemption required consultation with multiple agencies including the State of Hawaii Historic Preservation Division, USFW, Land Use Approvals, DBEDT, DoA, OHA, etc. The exemption allowed the project to move forward without unnecessary delays due to the EA process. ERA also provided services for completion of a building permit for the construction of 2 driveways and an NPDES permit application for the Department of Health Clean Water Branch. NPDES permit application required completion of a Storm Water Pollution Prevention Plan.

**City and County of Honolulu, Department of Environmental Services, H-Power, HI, 2015-2016 – Contract Value \$25,000.** Principal in Charge: Prepared an Emergency Action Plan for the City and County facility for the H-Power facility located in Campbell Industrial Park. The plan was composed of a Level 1 plan and Level 2 conditions and requirements. The H-POWER Emergency Action Plan delineates the authorities, responsibilities and procedures to be followed by employees in effectively responding to a disaster within the facility. The primary function of the H-POWER Emergency Action Plan is to prepare the facility to respond effectively and quickly to emergencies that occur within the facility or within the community. The plan governs the facility and its employees in the event of an emergency or disaster.

**Belt Collins, Island of Hawai'i, Kawaihae-Mamalahoa Connector Road EIS Technical Support, HI, 2008-2009 – Contract Value \$40,000.** Project Manager: Provided EIS technical support for the construction and operation of a bypass road in the Mamalahoa, Waimea area of the Island of Hawai'i. Specifically subcontracted by Belt Collins to determine the environmental impacts of the proposed roadway on adjacent organic and conventional farm lands. Impacts assessed included the change in surface water potential and productivity of the land. Conversely, the assessment also evaluated the impact of farming practices on potential future users of the proposed road.

**Kerr Mill, MA, 2000-2001 – Contract Value \$100,000.** Task Manager: Performed data summary and risk assessment calculations on a historical petroleum product spill site. Contaminants of concern included volatile and semivolatile petroleum hydrocarbons including naphthalene, 2-methylnaphthalene, benzo(a)pyrene and anthracene. Risk assessment used to help define the cleanup level goals and areas of remediation.

**Jan Chatten-Brown and Associates, CA, 2000-2001 – Contract Value \$10,000.** Project Manager: Provided litigation support regarding a class action lawsuit claiming adverse health effects from exposure to organophosphate pesticides. Comprehensively evaluated and summarized toxicological data involving neurotoxicity, hepatotoxicity, renal toxicity and carcinogenesis.

**Alston, Hunt, Floyd & Ing, HI, 2001-2002 – Contract Value \$25,000.** Project Manager: Provided litigation support for a residential property that was contaminated with arsenic. Advised attorneys on the toxicity of arsenic compounds, reliable biomarkers of exposure, sampling methods and potential exposure to other toxic compounds or biological agents.

**Confidential Client, GA, 2002-2003 – Contract Value \$20,000.** Project Manager: Prepared toxicological summaries on creosote and related mixtures in support of litigation.

**Confidential Client, AZ, 2002-2003 – Contract Value \$80,000.** Project Manager: Performed a comprehensive review of a Monte-Carlo Based Risk assessment on a former MGP site in Arizona. Chemicals identified in samples from the Site include the semi-volatile organic chemicals called polynuclear aromatic hydrocarbons (PAHs) found in lampblack and volatile organic chemicals: benzene, toluene, ethylbenzene, and xylenes (BTEX) found in fuels.

**California EPA, CA, 2002-2003 – Contract Value \$100,000.** Project Manager: Performed comprehensive literature review and analysis on the toxic properties of ethyl chloride. Conclusions used for the quantitative estimation of risk for regulatory purposes.

**Graduate Student Researcher for Dr. John Froines, Professor of Environmental Toxicology and Director of the Center for Occupational and Environmental Health, UCLA:** Project Manager: Examined the toxicokinetic and molecular events involved in arsenic induced carcinogenesis. Collaborated with the National Institute of Environmental Health Sciences (NIEHS) and the National Toxicology Program (NTP) in designing and conducting subchronic and chronic NTP animal bioassays, pharmacokinetic analysis, pre-clinical, GLP pharmacology, toxicology and safety studies in animals with the goal of regulating arsenic in drinking water.

**Undergraduate Researcher for Dr. Jonathon E. Ericson, Professor of Environmental Analysis & Design, University of California, Irvine:** Project Manager: Performed comprehensive literature review and analysis on the toxic effects of lead. Identified potential health implications and possible initiatives for soil remediation.

**Graduate Student Researcher for Dr. Michael Collins, Professor of Environmental Toxicology, UCLA:** Project Manager: Researched the impact of nutritional deficiencies (i.e. folate, methionine, choline and vitamin B12)

on the occurrence of neural tube defects in rats and mice. Participated in the development of an animal model for abnormal neural tube closure using a combination of in vivo and in vitro cell culture techniques. Performed gross necropsies, folate measurements via the bacterial growth assay, choline measurements via GC-Mass Spectroscopy and homocysteine measurements via HPLC in serum and other bodily tissues.

**Clinical Research Assistant for Dr. Marian Swendseid, Professor of Nutrition, UCLA:** Project Manager: Provided scientific and laboratory support for a clinical nutrition study conducted by the Western Human Nutrition Research Center and UCLA on choline status dependence on folate nutriture.

**Researcher: Dr. Ricardo De Leon, Professor of Environmental Analysis and Design, University of California, Irvine:** Project Manager: Assisted in developing a PCR based assay for analyzing environmental water and soil samples containing infectious microorganisms. Compared the newly developed PCR method with the standard plaque assay.

**Research: Dr. Roger Fujioka, Professor of Microbiology & Head of the Water Resources Research Center, University of Hawai'i at Manoa:** Project Manager: Quantified E. Coli levels in soil samples. Quantified nitrogen, phosphorous, coliform and E.coli levels in environmental water samples.

### **Industrial Hygiene**

**MMI Realty Services Inc (Kahala Mall Flood), Honolulu, HI,** Project Manager: Provided 24- hour/day on call support to MMI Realty Inc. following a significant flooding event in which the entire indoor mall was flooded to approximately 1-2 feet of storm water. Provided remedial workplans and specifications for immediate water removal and drying of the interior space. Instructed and oversaw mall representatives and their contractors during remedial efforts. Due to Dr. Okoji's disaster management efforts, the mall was reopened 4 days after the water intrusion event. Following emergency actions, MMI Realty retained Dr. Okoji's team to manage all non-emergency remediation at the mall. Non-emergency work included drying of internal wall spaces in mall common areas and later removal of significantly flood impacted building materials. Flood and mold assessments were conducted for all mall responsible areas as well as separately for tenant responsible areas. Work plans were provided to MMI Realty Inc, Kahala Mall tenants and their contractors detailing the specific protocols and precautions necessary during removal actions. Dr. Okoji created a database of every wall or building material affected by the flood. Data presented in tabular and graphic formats. Photodocumentation was also provided for all affected demising walls. Provided remedial oversight and post-remedial verification assessments during work activities. Ensured all contractors performed work to protocol and the appropriate standard of care. Periodically sampled building materials and air for mold to protect client from future claims. Provided hourly work logs and daily summaries to client ensuring they received maximum insurance reimbursement. Provided experts witness testimony during litigation proceedings including during appraisal hearings. Client received approximately 90% of their insurance claim in large part due to Dr. Okoji's testimonies. Project was one of the largest flood remediation jobs in the State of Hawaii.

**AIG Insurance Company, Grand Wailea, Maui, HI,** Principal Scientist:: Provided on call principal level consulting services for a large insurance carrier addressing a mold remediation claim. Verified the necessity for mold remediation and corroborated claim against actual remediation. Provided detailed reports including HVAC system design recommendations to prevent recurrence. Services were provided over a 1-year period.

**Confidential Client and Location, Honolulu, HI,** Principal Scientist: Provided litigation support for a property transfer. Evaluated for the presence of residual methamphetamine and chemicals related to its manufacturing. Collected wipe samples of left in place building material and belongings in the structure. Collected air samples for volatile constituents. Provided expert witness reports to validate the requirement for additional remediation.

**Goodsill Anderson Quinn & Stifel, Confidential Site, Wailea, HI,** Principal Scientist: At the request of counsel, Environmental Risk Analysis LLC (ERA) performed a comprehensive review of the available mold assessments and relevant home-inspector documents relating to the plaintiff's claims that the defendant intentionally or negligently misrepresented the water or mold condition of the property prior to sale. The plaintiffs alleged that undisclosed leaks in the shower areas of the condo caused mold/moisture issues which required remediation. ERA's review focuses on the validity of claims associated with water intrusion and mold noted in the various reports and the potential effect on health. ERA identified falsehoods or misleading claims of plaintiff experts reports and assessments.

**Bays Lung Rose & Holma, Attorneys at Law, Confidential Site, Honolulu, HI,** Principal Scientist: At the request of counsel, Dr. Okoji performed a comprehensive review of relevant medical documents related to the defendant's claim of significant health effects from a neighbors willful and illegal application of fipronil and bifenthrin. Reviewed relevant scientific literature and provided an expert witness report.

**Monkeypod Kitchen, Ko Olina Station, Kapolei, HI**, Principal Scientist: ERA was engaged to provide a water intrusion assessment and remediation work plan for the Monkeypod Kitchen located at 92-1048 Olani Street, Suite 4-107, Kapolei, HI 96707. According to Monkeypod Kitchen there have been multiple water intrusion events over the last year that are related to faulty construction. ERA used an Infrared camera, a Delmhorst pin-type moisture meter and visual assessment to evaluate the extent of water intrusion at the Site. Evidence of significant water intrusion was observed throughout the space. While water did not originate from a sewer line backup, the water intrusion event as observed and described was determined to be Category 3. Category 3 waters are defined by the Institute of Inspection, Cleaning and Restoration Certification (IICRC) as grossly contaminated and may contain pathogenic, toxigenic or other harmful agents. Wood flooring throughout the lower level of the restaurant was observed to be severely water impacted and was noted with elevated moisture, water staining and buckling. Significantly damaged wood flooring was removed and replaced with plywood in a several areas. These impacts are assumed to be the results of water infiltration from the center island bar area that houses multiple sources of water including sinks, dishwashers and ice makers. Water is believed to exit the island bar area via infiltration through or over the cove base of the perimeter tiles. Additional areas of water impacts were noted in the kitchen area and upstairs bar and wine cellar. The wine cellar interstitial wall spaces were determined to be severely mold-impacted and due to inadequate insulation. ERA recommended immediate remedial actions at the Site. Following remedial actions, a through post-remedial verification assessment was conducted of each impacted space that included a moisture assessment of left-in place building materials, bacterial swab sampling and air testing for mold.

**The Beall Corporation, Waikiki Pavillion, 1925 Kalakaua Ave, Honolulu, HI**, Principal Scientist: On May 2, 2014 Environmental Risk Analysis LLC (ERA) was contacted to provide a water intrusion assessment and remediation work plan for the Waikiki Pavilion retail stores located at 1925 Kalakaua Ave, in Waikiki, Honolulu, Hawaii. Dr. Russell Okoji was onsite at approximately 9:15pm approximately 45 minutes following notification. According to the Beall Corporation, the origin of the water intrusion was a sewer line backup. Waiialua Plumbing was observed in the loading area attempting to unclog the waste line. Four tenants occupied the retail area of the Waikiki Pavilion (ABC Store, Vitamin and Supplement, Subway and Vapor. According to tenant accounts, wastewater entered into the retail areas via plumbing lines connected to the main waste line shared with the Waikiki Pavilions Condominium. ERA used an Infrared camera, a Delmhorst pin-type moisture meter and visual assessment to evaluate the extent of water intrusion at the Site. Evidence of significant water intrusion in each of the four spaces were noted. The water intrusion event as observed and described was determined to be Category 3. Category 3 waters are defined by the Institute of Inspection, Cleaning and Restoration Certification (IICRC) as grossly contaminated and may contain pathogenic, toxigenic or other harmful agents. ERA recommended immediate implementation of remedial actions at the Site and provided detailed work plans for each space. Provided on-call remedial oversight and a post-remedial Category 3 water intrusion assessment

**William Scottsman, Pearl City, HI**, Principal Scientist: Performed a comprehensive moisture and mold assessment for 2 double wide modular trailers used by HECO at their modular trailer lot in Pearl City, Hawaii. HECO mold consultants were called to determine source of water and mold with no success. No overt sources of water intrusion were noted. ERA evaluated the space and determined that mold growth was a result of inappropriate temperature and humidity control. ERA provided work plans and specifications for remediation, remedial oversight and post-remedial verification. Dr. Okoji attended meetings on behalf of William Scottsman with HECO facility maintenance personnel. Provided recommendations to prevent recurrence including materials for build back and HVAC system controls.

**John Bansemer Construction, Asbestos Survey, Kealakekua, HI**, Principal in Charge: Environmental Risk Analysis, LLC (ERA) was retained by John Bansemer Construction Inc. to conduct an asbestos assessment of the space occupied by the University of Hawaii, West-Hawaii campus located at 81-964 Haleki'i Street in Kealakekua, Hawai'i. This survey was performed in accordance with federal, state, and local regulatory requirements.

**Limberg Trust, Asbestos Survey, Kealakekua, HI**, Principal in Charge: Environmental Risk Analysis, LLC (ERA) was retained by the Limberg Trust to conduct an asbestos assessment of the space occupied by the University of Hawaii, West-Hawaii campus located at 81-970 Haleki'i Street in Kealakekua, Hawai'i. This survey was performed in accordance with federal, state, and local regulatory requirements.

**Occidental Insurance, Hazardous Materials Survey and Remediation, Honolulu, HI**, Principal in Charge: Performed a comprehensive hazardous materials survey and asbestos remediation at a 10,000 square foot facility located at the current Occidental Insurance building. Provided air monitoring for the duration of the remediation process to verify that the remedial containment and High Efficiency Particulate Air (HEPA) exhaust filter were working efficiently. Asbestos results were within acceptable limits (less than or equal to 0.01 fibers per cubic centimeter of air sampled via Phase Contrast Microscopy (PCM)) for all air monitoring locations. Air monitoring locations were located at the containment entrance and at the exhaust output. Additional air samples collected from an adjacent office space (per tenant request) did indicate an elevated number of particulate fibers as analyzed using



PCM. PCM does not differentiate between fiber types (asbestos, dust, cotton, fiber glass, etc.). Confirmation Transmission Electron Microscopy (TEM) analysis of these samples resulted in <0.0006 asbestos fibers per cubic centimeter of air, which is within acceptable limits. Clearance air samples collected at completion of the abatement activities were within acceptable limits (less than or equal to 0.01 fibers per cubic centimeter of air sampled). The abated space was cleared for reoccupancy. Post-remedial visual verification also confirmed that asbestos containing materials (as identified in the ERA March 2010, Asbestos Survey) were properly abated.

**Hawai'i State Department of Accounting and General Services (DAGS), Kaneohe, HI,** Project Manager: Interpreted lead and asbestos data collected at King Intermediate School classrooms and buildings. Worked closely with the DOH Asbestos Division to determine potential health risks and to determine a consistent health message for the public. Performed toxicological and environmental consulting in meetings with DAGS, the Department of Education (DOE) and King Intermediate staff. Presented a discussion of the health effects of lead and asbestos at a public meeting. Provide information fact sheets on the health effects of lead and asbestos. Provided justification letters required for reoccupation of King Intermediate. Also instrumental in quelling fears of neighboring residents who may also have been exposed to low levels of asbestos and lead.

**Department of Agriculture Lead-based Paint Survey, HI,** Principal in Charge: Performed a lead paint survey at nine (9) Department of Agriculture facilities located on five (5) islands. The survey included field investigation and sampling, testing and analysis, report of findings, recommendations and a cost estimate of corrective measures. The lead paint assessment consisted of the use of an x-ray fluorescence (XRF) analyzer and confirmation lead paint chip samples. The XRF analyzer was used as a screening device on all internal and external painted surfaces of the facilities. Lead paint chip samples will be collected randomly to corroborate XRF results.

**Whole Foods, Kahala Mall, Honolulu, HI,** Project Manager: Conducted a comprehensive hazard materials assessment that included assessment for mold, asbestos, lead, PCBs and arsenic. Provided specification documents for remediation as well as request for proposal offerings on behalf of the client. Performed site walk with prospective remedial contractors. Performed oversight and ambient and personal air monitoring during remediation activities.

**American Savings Bank, Kahului Branch,** Principal Scientist, Performed a facility wide hazardous materials survey for lead and asbestos containing materials. Provided remedial specifications for identified LBP and ACM. Procured remediation contractors and oversaw remedial efforts. Post-remedial verification report also provided.

**Loveland Academy, Honolulu, HI:** Principal in Charge: Environmental Risk Analysis LLC (ERA) was retained by Loveland Academy to conduct a Three-Year Asbestos Hazard Emergency Response Act (AHERA) asbestos re-inspection of the Loveland Academy campus buildings. The re-inspections were performed to comply with applicable Federal and State guidelines requiring that secondary schools (K-12) be re-inspected every three years for any changes in the condition of assumed and confirmed asbestos-containing building materials (ACBMs). ERA re-inspected accessible areas within each building and noted ACBM conditions using the seven AHERA assessment categories. ERA was then re-contracted by Loveland to perform third-party oversight of remedial activities.

**O'Connor Playdon & Guben LLP, Kailua Kona, HI,** Principal Toxicologist: ERA was hired to provide expert witness and consulting services in support of litigation. ERA was requested to review defendant expert witness reports and provide rebuttal. ERA provided multiple declarations to support plaintiff argument. Also provided sampling and analysis services for mold and sewage related organisms. Designed studies to determine source of water intrusion and was a resource to plaintiff medical experts regarding use of medical tests to help support the case. Project is Ongoing.

**American Savings Bank, Kahului Branch,** Principal Scientist: Performed a facility wide mold and water intrusion assessment at the American Savings Bank, Kahului Branch. Assessment included over 30 distinct spaces within the structure including a separate loan office and former doctor's office space. Indoor air samples were collected from approximately 10 spaces presumed mold impacted. The assessment revealed significant and excess mold spores in a single area historically impacted by water intrusion. Provided mold remediation protocols and facilitated remedial efforts.

**American Savings Bank, Lahaina, HI,** Principal Scientist: Performed a facility-wide mold assessment of the American Savings Bank, Lahaina Branch. Provided an assessment report and mold remediation protocols. Provided third party oversight of remedial activities.

**American Savings Bank, Kailua, HI,** Principal Scientist: Performed a comprehensive moisture and mold assessment which included the HVAC system. Utilized bore scope cameras, infrared thermal imaging cameras, and direct handheld moisture meters to identify moisture impacted areas. Performed air sampling to identify potential health risks. Conducted Post-remedial verification assessments.

**American Savings Bank, Kealahou Branch,** Principal Scientist: Performed a facility wide mold and water intrusion assessment. Indoor air samples were collected from 8 areas presumed mold impacted. The assessment

revealed significant and excess mold spores in multiple areas. Provided mold remediation protocols and facilitated remedial efforts.

**Li & Tsukazaki, Attorneys at Law, LLC**, Principal Scientist: Environmental Risk Analysis, LLC (ERA) was retained by Mr. William McCohnell through Philip Li, Esq to conduct a limited moisture and mold assessment of the condominium unit designated by Unit # 1302 at 19 Pohina Street, Wailuku, Maui, Hawaii. ERA provided a third party independent post-remedial verification assessment of the unit, visually assessed for the presence or absence of suspect visible mold growth (SVMG) collected tape lift samples for laboratory confirmation. Data was collected for potential litigation.

**Kincaids (Restaurants Unlimited Inc.), Honolulu, HI**, Project Manager: Provided initial sewage intrusion assessment and remediation protocol following a significant sewage backflow event of Kincaid's neighboring tenants at the Ward Warehouse Center. Protocol included standard of care procedures to remediate the area, protect public health and limit client's liability. Provided on-call 24-hr support during the critical first days of the sewage backup.

**Hawai'i State Department of Accounting and General Services (DAGS), Records Warehouse, Honolulu, HI**, Project Manager: Provided emergency on-call consulting services for the DAGs records warehouse in Mapunapuna, HI. Provided mold investigation and air sampling protocols, mold survey and remedial plan. Discussed potential risks with warehouse staff.

**Hawai'i State Public Library System, HI**, Project Manager: Currently providing the Hawai'i State Library System with open ended support for HVAC system evaluations, indoor air quality and mold assessments. Performed HVAC system evaluations and indoor air quality assessments. Provided detailed recommendations regarding HVAC system efficiency and upgrades, remediation protocols, and remediation oversight.

**Hawai'i State Public Library System, HI**, Project Manager: Performed a water intrusion and mold assessment at the Ewa Beach Public Library. Provided mold remediation work plans for books and building materials impacted by mold. Provided third party oversight during remedial activities and post-remedial verification following clean up.

**Honolulu Sports Medical Center**: Project Manager: Provided on-call 24-hour support to hospital staff after a "black" water flooding event at the facility. Provide a comprehensive moisture assessment to determine extent of impacts using handheld moisture meters and infrared cameras. Provided work plans for remediation and reviewed plans provided by the building manager's consultants. Oversaw remedial efforts and conducted air sampling. Ensured that remediation was performed according to the standard of care at the time the assessment was conducted

**A&B Properties Inc., Stangenwald Building, 119 Merchant Street, HI**, Principal Scientist: Provided a Category 3 Water Intrusion Initial Assessment, Remediation Work Plan and Post-remedial Assessment. ERA used an Infrared camera, a Delmhorst pin-type moisture meter and visual assessment to evaluate the extent of water intrusion at the Site. The Site consisted of the entire basement of the building as well as a large portion of the 1<sup>st</sup> floor ground level.

**Aloha Petroleum, Kaneohe HI**, Project Manager: First responder to a "black" water backflow event at an Aloha Petroleum MiniMart. Provided an impact assessment report and workplans for remediation. Provided remedial oversight and fecal coliform indicator post-remedial verification testing in air and on surfaces. Ensured cleanup and remediation were performed according to the proper stand of care in an effort to obtain maximum insurance reimbursement and to limit future liabilities. Provided expert witness deposition in case against the party responsible for the flood.

**Confidential Client, Koloa, HI**, Project Manager: Provided litigation support for a potential carbon monoxide exposure event. Provided and implemented workplans to simulate and/or mathematically model exposures to a gasoline powered concrete cutter.

**Kona Sea Villas, Kailua-Kona, Hawai'i and Fairway Villas, Waikoloa, Hawai'i**, Project Manager: Provided mold-sampling services to determine limited speciation of fungi found on site and recommended remedial actions. Confirmation sampling and consultation services continued through completion of construction activities. Provided detailed remediation plans, oversight and post-remedial verification.

**Hospice of Kona, Kailua-Kona, Hawai'i**: Project Manager: Performed mold-sampling services to determine limited speciation of fungi found on site. Provided informational training to employees and recommended remedial actions. Conducted HVAC system evaluation and provided specifications to prevent mold growth and recommendations to increase HVAC efficiency.

**Kohala Coast Mold Assessment**: Project Manager: Provided mold-sampling services for multiple structures to determine limited speciation of fungi found on site and recommended remedial actions. Provided detailed remediation plans and scopes of work. Evaluated HVAC system and quality of indoor air via spore trap analyses.

**Lerma and Goya:** Project Manager: Provided mold sampling and consulting services for a law office in Hilo, Hawai'i. Findings and Recommendations successfully used in claim against insurance company for damages related to a leaky toilet and substantial mold infestation in subfloors and adjoining walls.

### **Presentations/Publications**

**Okoji, R.S.** & Froines, J.R. Sodium arsenite administration via drinking water increases genome-wide and Ha-ras DNA methylation in methyl deficient C57Bl/6J mice. *Carcinogenesis*, **23**, 777-785.

**Okoji, R.S.**, Hernandez, A., Leininger, J.R., Maronpot, R.R. & Froines, J.R. Subchronic animal bioassay of sodium arsenite in methyl-deficient male C57Bl/6J mice. Submitted to Environmental Research.

**Okoji, R.S.**, Maronpot, R. & Froines, J.R. Chronic animal bioassay for sodium arsenite in methyl deficient C57Bl/6 mice. Submitted to *Environmental Health Perspectives*.

**Okoji, R.S.**, Leininger, J. & Froines, J.R. Subchronic Toxicity Study of Sodium Arsenite in Methyl-Deficient Male C57Bl/6 Mice. In: Arsenic Exposure and Health Effects. 1999. (eds. Chappel, W.R., Abernathy, C.O. & Calderon, R.L.) Elsevier Science Ltd, Oxford, UK, pp. 225-232.

Froines, J., Collins, M., Fanning, E., McConnell, R., Robbins, W., Silver, K., Kun, H., Mutialu, R., **Okoji, R.**, Taber, R., Tareen, N. & Zandonella, C. 1998. Health and Environmental Assessment of MTBE. Report to the Governor and Legislature of the State of California as sponsored by SB 521. 1999: Volume II: Human Health Effects. An evaluation of the Scientific Peer-Reviewed Research and Literature on the Human Health Effects of MTBE, its Metabolites, Combustion Products and Substitute Compounds. University of California: available at <http://tsrtp.ucdavis.edu/>

**Okoji, R.S.**, Hernandez, A., Cebrian, M. & Froines, J.R. Toxicokinetic profile of arsenic metabolites in C57Bl/6 mice maintained on methyl-deficient diets. In Progress.

**Makua Military Reservation Community Meetings:** Supported the USARMY Garrison in multiple public meeting venues specifically providing human health risk information to the public. (2014-2015).

**Keaukaha Community Meeting:** Air sampling in a residential neighborhood (2005).

**Lead In Drinking Water KHON 2 News Story:** Hawai'i Department of Health (2008).

**King Intermediate School,** Hawai'i State Department of Accounting and General Services/ Department of Education. Health effects of Lead and Asbestos (December 2004).

**Orote Community Meeting, Guam:** Health risks associated with the ingestion of seafood from Agat Bay (2003).

**Ordnance Reef Community Meetings:** Health risks from ingestion of seafood sourced from Ordnance Reef. (2010-2012).

**University of Hawai'i: Guest Lecturer: Metal Toxicology (2000).**

**Lorman Education Services:** Solving Water Intrusion and Mold problems in Hawai'i. Water Intrusion: The Standard Of Care, Health effects of Molds (2006).

**Lorman Education Services,** Solving Water Intrusion and Mold problems in Hawai'i. Health effects of Molds. 2005.

**USEPA, San Francisco, CA:** Health risks associated with recreational activities in Agat bay and the ingestion of seafood from Agat Bay, Guam.

**Fourth International Conference on the Health Effects of Arsenic:** Sodium arsenite administered in drinking water reduces DNA methylation in methyl-deficient C57Bl/6 mice, 2000.

**Toxic Substances Research and Teaching Program (TSR&TP): 12<sup>th</sup> Annual Research Symposium.** Presentation: Arsenic Induced Carcinogenesis: Perturbations in p53 and Ha-ras methylation patterns.

**Toxic Substances Research and Teaching Program (TSR&TP): 11<sup>th</sup> Annual Research Symposium.** Presentation: Arsenic Induced Carcinogenesis: A murine model for the induction of cancer in methyl-deficient C57Bl/6J mice.

**Third International Conference on the Health Effects of Arsenic:** Arsenic Induced Carcinogenesis: A murine model for the induction of cancer in methyl-deficient C57Bl/6J mice, 1999.

### **Commendations**

5/06 Commendation Letter from the Operations Director at Kahala Mall for services performed during a severe flooding event.

- 12/04 Commendation letter from the Department of Accounting and General Services for risk communication support regarding asbestos and lead at King Intermediate School, Kaneohe, Hawai'i.
- 8/00 – 9/04 Multiple commendations from U.S. Navy and ATSDR for technical support in human health toxicological consulting and community relations
- 5/99 Recipient of the UCLA School of Public Health Raymond Goodman Scholarship for academic excellence
- 6/95 Recipient of the Gladys Emerson Award (UCLA) for research in toxicology and nutrition

***References***

Stephen Joseph  
General Manager  
PVT Landfill Co.  
87-2020 Farrington Hwy  
Waianae, Hawai'i 96792  
Phone: (808) 668-4561  
E-mail: Steve@pvtland.com

Kevin Nishikawa  
Marcus and Associates  
1045 Mapunapuna St  
Honolulu, Hawai'i 96819  
Phone: (808) 839-7446  
E-mail: kevin@marcusrealty.com

Brian Whitehouse  
NAVFAC Pacific  
Environmental Restoration (EV32)  
258 Makalapa Drive, Suite 100  
JBPHH, Hawai'i 96860-3134  
Phone: (808) 472-1461  
E-mail: brian.whitehouse@navy.mil

*Appendix* **B**

**AERIAL PHOTOGRAPHS**

# 2020 Aerial Photograph

Write a description for your map.

Legend



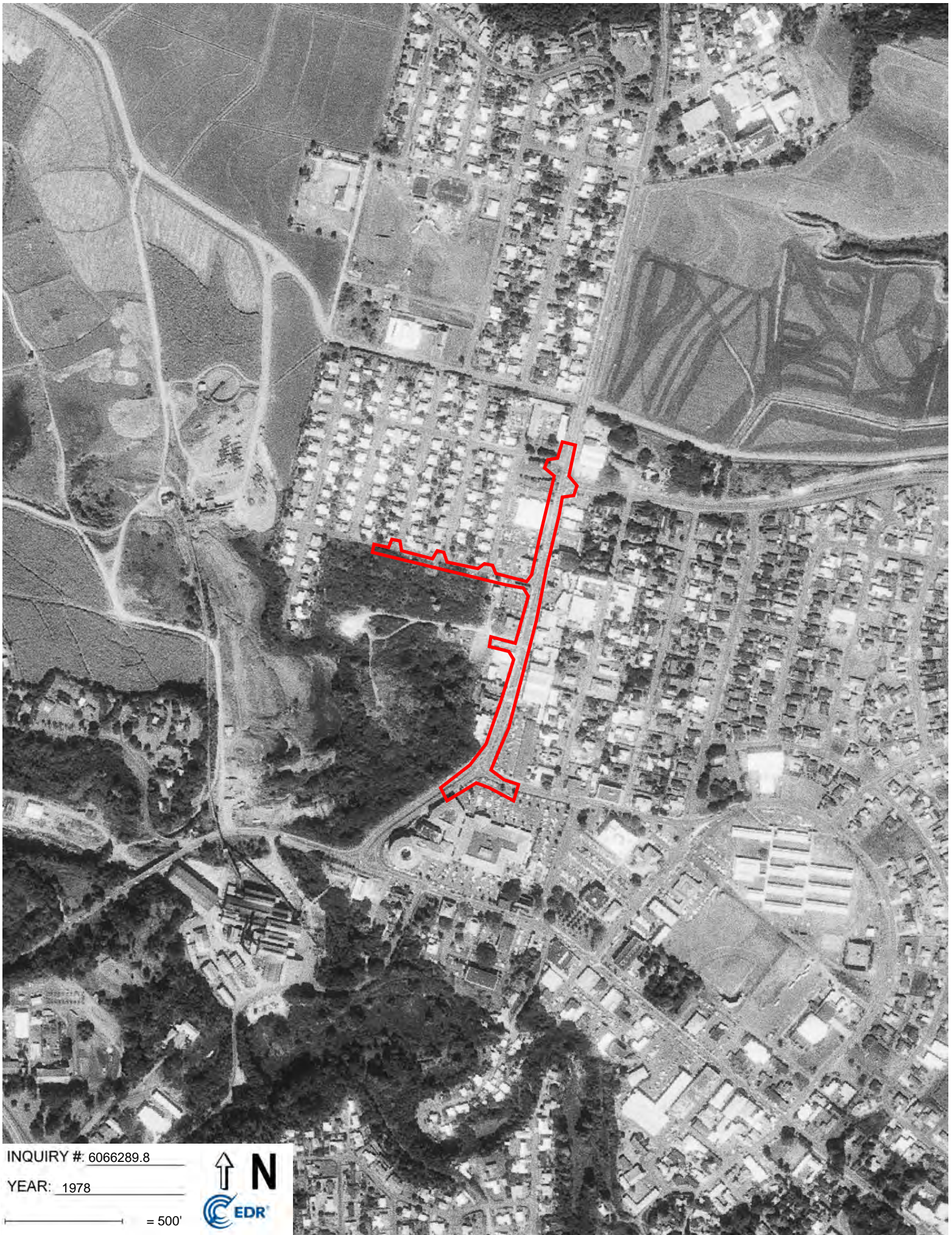
Google Earth

© 2020 Google  
Image © 2020 Maxar Technologies



1000 ft





INQUIRY #: 6066289.8

YEAR: 1978

— = 500'





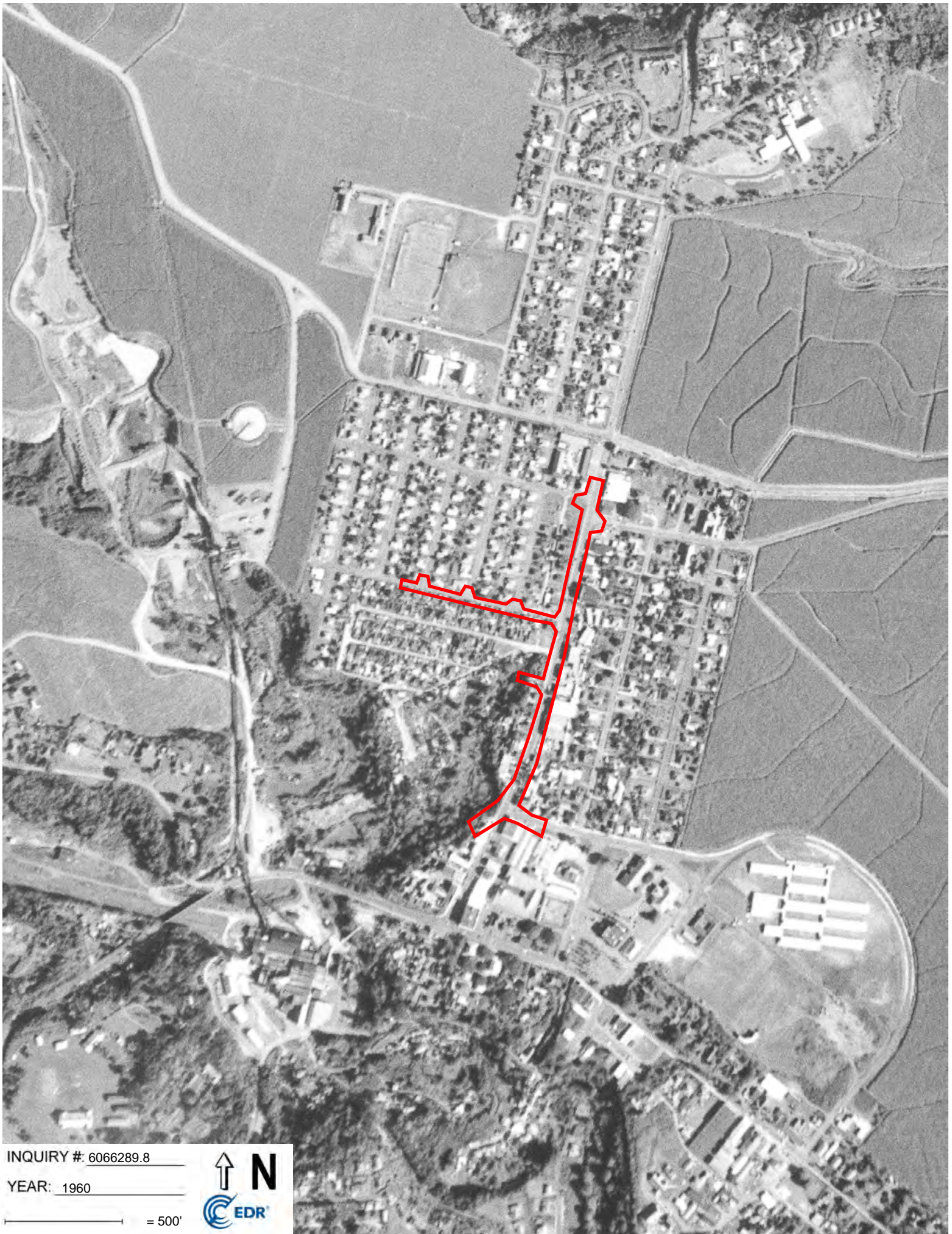


INQUIRY #: 6066289.8

YEAR: 1975

— = 500'



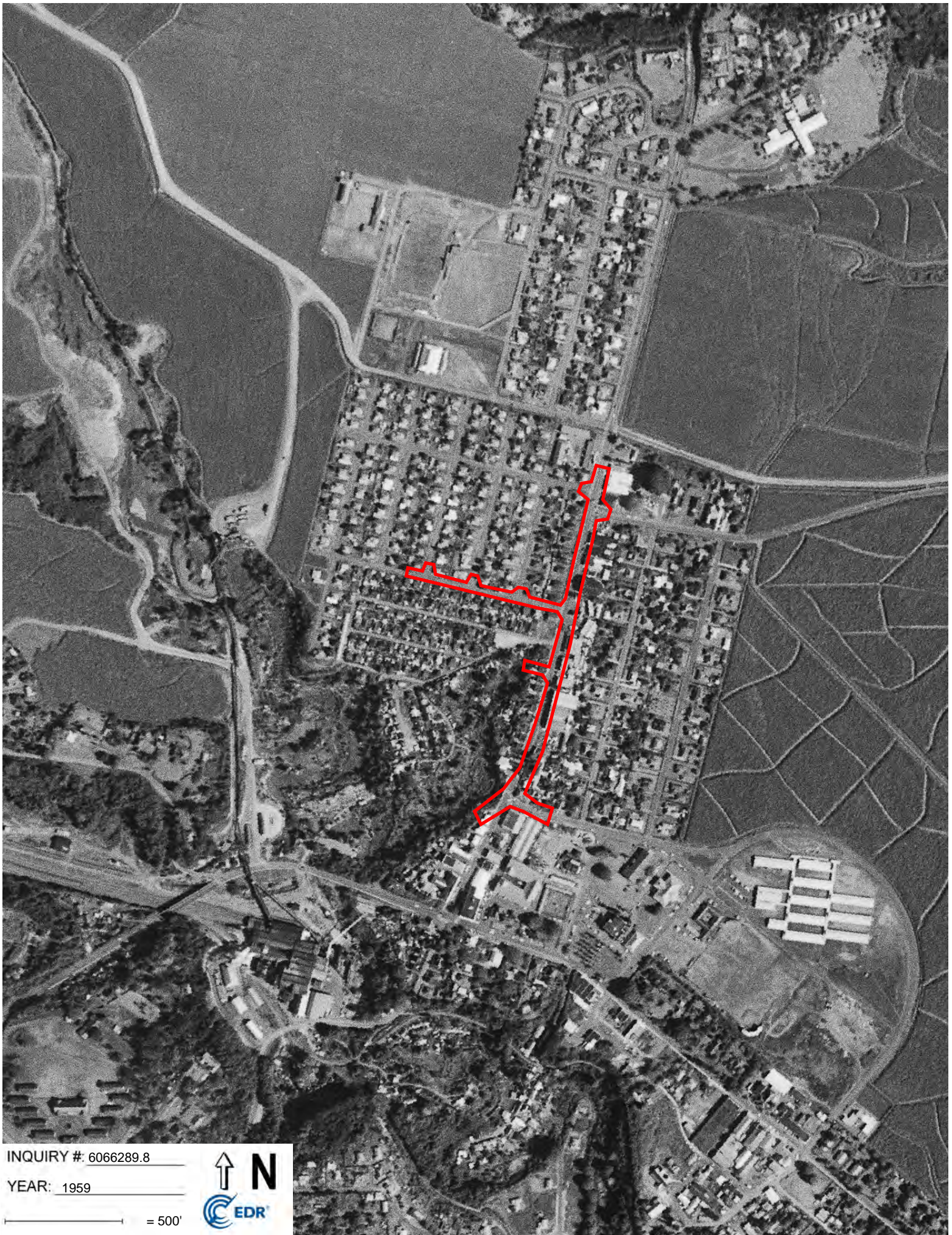


INQUIRY #: 6066289.8

YEAR: 1960

— = 500'



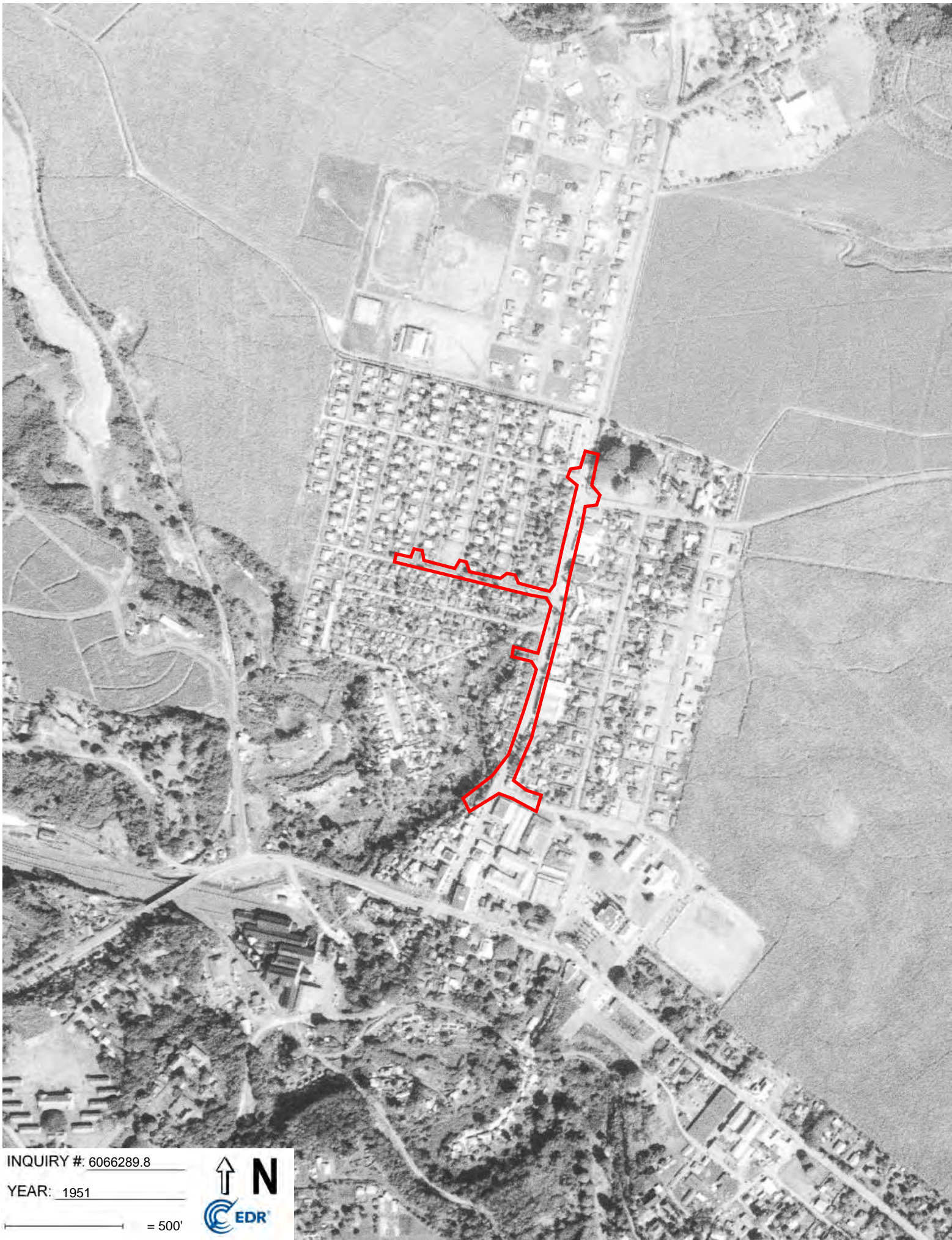


INQUIRY #: 6066289.8

YEAR: 1959

— = 500'





INQUIRY #: 6066289.8

YEAR: 1951

— = 500'



*Appendix* **C**

**EDR REPORT,  
SANBORN FIRE INSURANCE MAPS,  
HISTORICAL TOPOGRAPHIC MAPS,  
HISTORICAL AERIAL PHOTOGRAPHS AND  
CITY DIRECTORY**

**Hardy-Oxford Waterline, Kuhio Highway**

Hardy-Oxford Waterline, Kuhio Highway

Lihue, HI 96766

Inquiry Number: 6066289.2s

May 18, 2020

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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***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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
LIHUE, HI 96766

#### COORDINATES

Latitude (North): 21.9789520 - 21° 58' 44.22"  
Longitude (West): 159.3681440 - 159° 22' 5.31"  
Universal Transverse Mercator: Zone 4  
UTM X (Meters): 461993.5  
UTM Y (Meters): 2430400.5  
Elevation: 210 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5949350 LIHUE, HI  
Version Date: 2013  
  
North Map: 5949362 KAPAA, HI  
Version Date: 2013



MAPPED SITES SUMMARY

Target Property Address:  
 HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
 LIHUE, HI 96766

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DOLLAR RENT-A-CAR	3-3131 KUHIO HIGHWAY	FINDS	Lower	1 ft.
A2	SPEEDIE LUBE OF HI I	3-3155 KUHIO HIGHWAY	FINDS	Lower	1 ft.
A3	CHEVRON 97619	3187 KUHIO HWY	FINDS, ECHO	Lower	1 ft.
A4	WILCOX MEMORIAL HOSP	3420 KUHIO HIGHWAY	HI AIRS	Lower	1 ft.
B5	WALMART-LIHUE STORE		FINDS	Higher	1 ft.
B6	LYDGATE PARK - KAPAA	UNKNOWN	FINDS, ECHO	Higher	1 ft.
C7	LIHUE SHELL	3178 KUHIO HWY	HI LUST, HI Financial Assurance	Higher	1 ft.
C8	KUHIO HIGHWAY & POIN	KUHIO HWY & POINCIAN	HI SPILLS	Higher	1 ft.
A9	LIHUE SHELL SVC	3178 KUHIO HWY	ICIS, FINDS, ECHO	Lower	1 ft.
A10	IES RETAIL KUHIO HWY	3-3187 KUHIO HWY	RCRA-VSQQ	Lower	1 ft.
D11	A STEP FORWARD	3135 KUHIO HIGHWAY	FINDS, ECHO	Lower	1 ft.
A12	WILCOX MEMORIAL HOSP	3420 KUHIO HWY	RCRA-VSQQ, FINDS, ECHO	Lower	1 ft.
A13	CLINICAL LABORATORIE	3420 KUHIO HWY	FINDS, ECHO	Lower	1 ft.
A14	PARADISE SVC STA	3155 KUHIO HWY	ICIS, FINDS, ECHO	Lower	1 ft.
A15	ALOHA PETROLEUM: LIH	3178 KUHIO HWY	RCRA-VSQQ	Lower	1 ft.
A16	76 PARADISE #412	3155 KUHIO HWY	HI LUST, HI UST, HI Financial Assurance	Lower	1 ft.
C17	GARY'S SERVICE STATI	3187 KUHIO HWY	HI SHWS, HI INST CONTROL, HI SPILLS	Higher	16, 0.003, North
A18	AMFAC DISTRIBUTION H	3215 KUHIO HWY	HI UST	Lower	20, 0.004, WSW
C19	IES RETAIL KUHIO HIG	3187 KUHIO HWY	HI LUST, HI UST, HI Financial Assurance	Higher	38, 0.007, North
A20		3137 KUHIO HIGHWAY	FEMA UST	Lower	50, 0.009, SW
A21	SPEEDIE LUBE OF HI I	3155 KUHIO HWY	RCRA NonGen / NLR, FINDS, ECHO, CA HAZNET	Lower	51, 0.010, West
A22	T & H SERVICE LTD*	3155 KUHIO HWY	EDR Hist Auto	Lower	56, 0.011, West
A23	LIHUE SUPER SERVICE	3155 KUHIO HWY	EDR Hist Auto	Lower	56, 0.011, West
A24	PARADISE SERVICE	3155 JULIO HWY	EDR Hist Auto	Lower	56, 0.011, West
D25	HALE PUMEHANA, INC	3083 AKAHI ST	HI UST	Lower	63, 0.012, South
C26	TIP TOP CAFE & BAKER	3173 AKAHI ST	HI UST	Higher	237, 0.045, East
27	UP TO DATE CLEANERS	3088 AKAHI ST	EDR Hist Cleaner	Higher	297, 0.056, SSE
E28	KAUAI PAINT AND JALO	3196 AKAHI ST	HI UST	Higher	376, 0.071, ENE
29	DOLLAR RENT-A-CAR	3131 KUHIO AVE	HI UST	Lower	377, 0.071, SW
F30	COUNTY OF KAUAI WAIM	9273 G KAUMUALII HWY	HI LUST, HI UST	Higher	392, 0.074, SSW
F31	LIHUE OFFICE	4444 RICE ST	HI SHWS, HI SPILLS	Lower	560, 0.106, South
F32	LIHUE CENTRAL OFFICE	4444 RICE ST	HI LUST, HI UST, HI Financial Assurance	Lower	560, 0.106, South
G33	LIHUE STATE OFFICE B	TMK: 3-6-05:11	HI LUST, HI UST	Lower	581, 0.110, South
E34	RESIDENCE OF K. & F.	3175 ELUA ST	HI UST	Higher	594, 0.112, East
F35	UNITED AGRI PRODUCTS	2973 KELE ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	595, 0.113, SSW
G36	UP TO DATE CLEANERS	4447 RICE ST	EDR Hist Cleaner	Lower	648, 0.123, South
37	WALMART #2308	3-3300 KUHIO HWY	RCRA-VSQQ	Higher	656, 0.124, NNE
G38	COUNTY OF KAUAI LIHU	4396 RICE ST	HI LUST, HI UST	Lower	722, 0.137, South
G39	RICE STREET CHEVRON	4411 RICE ST	HI LUST, HI UST, HI Financial Assurance	Lower	791, 0.150, South

MAPPED SITES SUMMARY

Target Property Address:  
 HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
 LIHUE, HI 96766

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">G40</a>	RICE STREET CHEVRON	4411 RICE STREET	RCRA-VSQG	Lower	791, 0.150, South
<a href="#">H41</a>	VECTOR CONTROL BRANC	3040 UMI ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	833, 0.158, SSE
<a href="#">H42</a>	LIHUE POLICE STATION	3060 UMI ST	HI LUST, HI UST	Lower	884, 0.167, SSE
<a href="#">I43</a>	KAUAI SUGAR STORAGE	2970 KELE STREET	RCRA NonGen / NLR, FINDS, ECHO	Lower	933, 0.177, South
<a href="#">I44</a>	LIHUE PLANTATION COM	2970 KELE STREET	SEMS-ARCHIVE	Lower	933, 0.177, South
<a href="#">45</a>	JACK WADA ELECTRIC,	2981 UMI ST	HI LUST, HI UST	Lower	1017, 0.193, South
<a href="#">J46</a>	LIHUE PLANTATION CO,	2940 HALEKO RD	HI SHWS, HI BROWNFIELDS	Lower	1156, 0.219, SSW
<a href="#">J47</a>	LIHUE PLANTATION CO,	2940 HALEKO RD	HI SHWS, HI BROWNFIELDS	Lower	1156, 0.219, SSW
<a href="#">J48</a>	LIHUE PLANTATION SUG	2940 HALEKO ROAD	US BROWNFIELDS	Lower	1156, 0.219, SSW
<a href="#">J49</a>	LIHUE PLANTATION SUG	2940 HALEKO RD	RCRA-SQG	Lower	1156, 0.219, SSW
<a href="#">K50</a>	LIHUE PLANTATION CO.	EHIKU ST (UNLOADING	HI LUST, HI UST	Higher	1436, 0.272, North
<a href="#">K51</a>	ELIMA ROAD SOIL STOC	3428 ELIMA RD	HI SHWS, HI SPILLS	Higher	1650, 0.312, North
<a href="#">52</a>	KAUAI COUNTY LIHUE D	2820 WEHE ST	HI LUST, HI UST, HI Financial Assurance	Higher	2384, 0.452, SW
<a href="#">53</a>	KOAMALU PLANTATION L	4534 UAHU RD	HI SHWS	Higher	3105, 0.588, WSW
<a href="#">54</a>	KAUAI BEVERAGE & ICE	3056 AUKELE ST	HI SHWS, HI UST, HI Financial Assurance	Lower	5167, 0.979, SE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## 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 search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State and tribal landfill and/or solid waste disposal site lists***

HI SWF/LF..... Permitted Landfills in the State of Hawaii

## EXECUTIVE SUMMARY

### **State and tribal leaking storage tank lists**

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### **State and tribal registered storage tank lists**

INDIAN UST..... Underground Storage Tanks on Indian Land

### **State and tribal institutional control / engineering control registries**

HI ENG CONTROLS..... Engineering Control Sites

### **State and tribal voluntary cleanup sites**

HI VCP..... Voluntary Response Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

#### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL..... Delisted National Clandestine Laboratory Register

HI CDL..... Clandestine Drug Lab Listing

US CDL..... National Clandestine Laboratory Register

#### **Local Land Records**

LIENS 2..... CERCLA Lien Information

#### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System

HI SPILLS 90..... SPILLS 90 data from FirstSearch

#### **Other Ascertainable Records**

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION..... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS..... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems

ROD..... Records Of Decision

## EXECUTIVE SUMMARY

RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
HI DRYCLEANERS.....	Permitted Drycleaner Facility Listing
HI LEAD.....	LEAD
HI UIC.....	Underground Injection Wells Listing
MINES MRDS.....	Mineral Resources Data System

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

HI RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List  
HI RGA LF..... Recovered Government Archive Solid Waste Facilities List  
HI RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIHUE PLANTATION COM	2970 KELE STREET	S 1/8 - 1/4 (0.177 mi.)	I44	88

#### ***Federal RCRA generators list***

RCRA-SQG: 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. 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIHUE PLANTATION SUG EPA ID:: HIR000140467	2940 HALEKO RD	SSW 1/8 - 1/4 (0.219 mi.)	J49	97

RCRA-VSQG: 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. 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 5 RCRA-VSQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WALMART #2308	3-3300 KUHIO HWY	NNE 0 - 1/8 (0.124 mi.)	37	74

## EXECUTIVE SUMMARY

EPA ID:: HIR000000174

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IES RETAIL KUHIO HWY EPA ID:: HIR000136770	3-3187 KUHIO HWY	0 - 1/8 (0.000 mi.)	A10	17
<b>WILCOX MEMORIAL HOSP</b> EPA ID:: HIR000138966	<b>3420 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A12</b>	<b>19</b>
ALOHA PETROLEUM: LIH EPA ID:: HIR000137463	3178 KUHIO HWY	0 - 1/8 (0.000 mi.)	A15	24
RICE STREET CHEVRON EPA ID:: HIR000142216	4411 RICE STREET	S 1/8 - 1/4 (0.150 mi.)	G40	82

### **State- and tribal - equivalent CERCLIS**

HI 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 HI SHWS list, as provided by EDR, and dated 04/17/2019 has revealed that there are 7 HI SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GARY'S SERVICE STATI</b>	<b>3187 KUHIO HWY</b>	<b>N 0 - 1/8 (0.003 mi.)</b>	<b>C17</b>	<b>30</b>
<b>ELIMA ROAD SOIL STOC</b>	<b>3428 ELIMA RD</b>	<b>N 1/4 - 1/2 (0.312 mi.)</b>	<b>K51</b>	<b>100</b>
KOAMALU PLANTATION L	4534 UAHU RD	WSW 1/2 - 1 (0.588 mi.)	53	102
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LIHUE OFFICE</b>	<b>4444 RICE ST</b>	<b>S 0 - 1/8 (0.106 mi.)</b>	<b>F31</b>	<b>65</b>
<b>LIHUE PLANTATION CO,</b>	<b>2940 HALEKO RD</b>	<b>SSW 1/8 - 1/4 (0.219 mi.)</b>	<b>J46</b>	<b>90</b>
<b>LIHUE PLANTATION CO,</b>	<b>2940 HALEKO RD</b>	<b>SSW 1/8 - 1/4 (0.219 mi.)</b>	<b>J47</b>	<b>91</b>
<b>KAUAI BEVERAGE &amp; ICE</b>	<b>3056 AUKELE ST</b>	<b>SE 1/2 - 1 (0.979 mi.)</b>	<b>54</b>	<b>103</b>

### **State and tribal leaking storage tank lists**

HI 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 HI LUST list, as provided by EDR, and dated 02/25/2020 has revealed that there are 12 HI LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LIHUE SHELL</b> Release ID: 980083 Release ID: 030015	<b>3178 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>C7</b>	<b>11</b>

## EXECUTIVE SUMMARY

Release ID: 080021				
Facility Id: 9-701555				
Facility Status: Site Cleanup Completed (NFA)				
<b>IES RETAIL KUHIO HIG</b>	<b>3187 KUHIO HWY</b>	<b>N 0 - 1/8 (0.007 mi.)</b>	<b>C19</b>	<b>34</b>
Release ID: 040019				
Release ID: 050008				
Facility Id: 9-701130				
Facility Status: Site Cleanup Completed (NFA)				
<b>COUNTY OF KAUAI WAIM</b>	<b>9273 G KAUMUALII HWY</b>	<b>SSW 0 - 1/8 (0.074 mi.)</b>	<b>F30</b>	<b>64</b>
Release ID: 990017				
Facility Id: 9-701082				
Facility Status: Site Cleanup Completed (NFA)				
<b>LIHUE PLANTATION CO.</b>	<b>EHIKU ST (UNLOADING</b>	<b>N 1/4 - 1/2 (0.272 mi.)</b>	<b>K50</b>	<b>99</b>
Release ID: 010040				
Facility Id: 9-700691				
Facility Status: Site Cleanup Completed (NFA)				
<b>KAUAI COUNTY LIHUE D</b>	<b>2820 WEHE ST</b>	<b>SW 1/4 - 1/2 (0.452 mi.)</b>	<b>52</b>	<b>101</b>
Release ID: 990156				
Facility Id: 9-701076				
Facility Status: Site Cleanup Completed (NFA)				
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
<b>76 PARADISE #412</b>	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A16</b>	<b>26</b>
Release ID: 990133				
Facility Id: 9-701643				
Facility Status: Site Cleanup Completed (NFA)				
<b>LIHUE CENTRAL OFFICE</b>	<b>4444 RICE ST</b>	<b>S 0 - 1/8 (0.106 mi.)</b>	<b>F32</b>	<b>69</b>
Release ID: 940098				
Release ID: 990191				
Release ID: 990044				
Facility Id: 9-700610				
Facility Id: 9-703437				
Facility Status: Site Cleanup Completed (NFA)				
<b>LIHUE STATE OFFICE B</b>	<b>TMK: 3-6-05:11</b>	<b>S 0 - 1/8 (0.110 mi.)</b>	<b>G33</b>	<b>71</b>
Release ID: 940021				
Facility Id: 9-702463				
Facility Status: Site Cleanup Completed (NFA)				
<b>COUNTY OF KAUAI LIHU</b>	<b>4396 RICE ST</b>	<b>S 1/8 - 1/4 (0.137 mi.)</b>	<b>G38</b>	<b>79</b>
Release ID: 990023				
Release ID: 950093				
Facility Id: 9-703308				
Facility Id: 9-701077				
Facility Status: Site Cleanup Completed (NFA)				
<b>RICE STREET CHEVRON</b>	<b>4411 RICE ST</b>	<b>S 1/8 - 1/4 (0.150 mi.)</b>	<b>G39</b>	<b>80</b>
Release ID: 130005				
Facility Id: 9-701132				
Facility Status: LUST Cleanup Initiated				
<b>LIHUE POLICE STATION</b>	<b>3060 UMI ST</b>	<b>SSE 1/8 - 1/4 (0.167 mi.)</b>	<b>H42</b>	<b>85</b>
Release ID: 990070				
Facility Id: 9-701067				
Facility Status: Site Cleanup Completed (NFA)				
<b>JACK WADA ELECTRIC,</b>	<b>2981 UMI ST</b>	<b>S 1/8 - 1/4 (0.193 mi.)</b>	<b>45</b>	<b>90</b>



## EXECUTIVE SUMMARY

Release ID: 990190  
 Facility Id: 9-703523  
 Facility Status: Site Cleanup Completed (NFA)

### **State and tribal registered storage tank lists**

FEMA UST: A listing of all FEMA owned underground storage tanks.

A review of the FEMA UST list, as provided by EDR, and dated 08/27/2019 has revealed that there is 1 FEMA UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3137 KUHIO HIGHWAY	SW 0 - 1/8 (0.009 mi.)	A20	37

HI 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 HI UST list, as provided by EDR, and dated 02/25/2020 has revealed that there are 15 HI UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IES RETAIL KUHIO HIG</b> Tank Status: Currently in Use Tank Status: Permanently Out of Use Facility Id: 9-701130 Date Closed: 01/11/2005	<b>3187 KUHIO HWY</b>	<b>N 0 - 1/8 (0.007 mi.)</b>	<b>C19</b>	<b>34</b>
TIP TOP CAFE & BAKER Tank Status: Permanently Out of Use Facility Id: 9-701293 Date Closed: 06/01/1991 Date Closed: 02/01/1992	3173 AKAHI ST	E 0 - 1/8 (0.045 mi.)	C26	62
KAUAI PAINT AND JALO Tank Status: Permanently Out of Use Facility Id: 9-703112 Date Closed: 07/27/1995	3196 AKAHI ST	ENE 0 - 1/8 (0.071 mi.)	E28	63
<b>COUNTY OF KAUAI WAIM</b> Tank Status: Permanently Out of Use Facility Id: 9-701082 Date Closed: 10/14/1998	<b>9273 G KAUMUALII HWY</b>	<b>SSW 0 - 1/8 (0.074 mi.)</b>	<b>F30</b>	<b>64</b>
RESIDENCE OF K. & F. Tank Status: Permanently Out of Use Facility Id: 9-700630	3175 ELUA ST	E 0 - 1/8 (0.112 mi.)	E34	71

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>76 PARADISE #412</b> Tank Status: Permanently Out of Use Tank Status: Currently In Use	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A16</b>	<b>26</b>

## EXECUTIVE SUMMARY

Facility Id: 9-701643 Date Closed: 01/19/1999 Date Closed: 01/15/1999				
AMFAC DISTRIBUTION H Tank Status: Permanently Out of Use Facility Id: 9-701961 Date Closed: 12/01/1991	3215 KUHIO HWY	WSW 0 - 1/8 (0.004 mi.)	A18	33
HALE PUMEHANA, INC Tank Status: Permanently Out of Use Facility Id: 9-702608	3083 AKAHI ST	S 0 - 1/8 (0.012 mi.)	D25	62
DOLLAR RENT-A-CAR Tank Status: Permanently Out of Use Facility Id: 9-700624 Date Closed: 03/30/1992	3131 KUHIO AVE	SW 0 - 1/8 (0.071 mi.)	29	63
<b>LIHUE CENTRAL OFFICE</b> Tank Status: Permanently Out of Use Tank Status: Currently In Use Facility Id: 9-700610 Facility Id: 9-703437 Date Closed: 09/16/1993 Date Closed: 10/29/1998 Date Closed: 10/27/1998	<b>4444 RICE ST</b>	<b>S 0 - 1/8 (0.106 mi.)</b>	<b>F32</b>	<b>69</b>
<b>LIHUE STATE OFFICE B</b> Tank Status: Permanently Out of Use Facility Id: 9-702463 Date Closed: 10/21/1991	<b>TMK: 3-6-05:11</b>	<b>S 0 - 1/8 (0.110 mi.)</b>	<b>G33</b>	<b>71</b>
<b>COUNTY OF KAUAI LIHU</b> Tank Status: Permanently Out of Use Facility Id: 9-701077 Facility Id: 9-703308 Date Closed: 05/09/1995 Date Closed: 10/22/1998	<b>4396 RICE ST</b>	<b>S 1/8 - 1/4 (0.137 mi.)</b>	<b>G38</b>	<b>79</b>
<b>RICE STREET CHEVRON</b> Tank Status: Currently In Use Facility Id: 9-701132	<b>4411 RICE ST</b>	<b>S 1/8 - 1/4 (0.150 mi.)</b>	<b>G39</b>	<b>80</b>
<b>LIHUE POLICE STATION</b> Tank Status: Permanently Out of Use Facility Id: 9-701067 Date Closed: 11/12/1998	<b>3060 UMI ST</b>	<b>SSE 1/8 - 1/4 (0.167 mi.)</b>	<b>H42</b>	<b>85</b>
<b>JACK WADA ELECTRIC,</b> Tank Status: Permanently Out of Use Facility Id: 9-703523 Date Closed: 04/28/1999	<b>2981 UMI ST</b>	<b>S 1/8 - 1/4 (0.193 mi.)</b>	<b>45</b>	<b>90</b>

### **State and tribal institutional control / engineering control registries**

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

A review of the HI INST CONTROL list, as provided by EDR, and dated 04/17/2019 has revealed that

## EXECUTIVE SUMMARY

there is 1 HI INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GARY'S SERVICE STATI	3187 KUHIO HWY	N 0 - 1/8 (0.003 mi.)	C17	30

### **State and tribal Brownfields sites**

HI BROWNFIELDS: Brownfields Site List

A review of the HI BROWNFIELDS list, as provided by EDR, and dated 04/17/2019 has revealed that there are 2 HI BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIHUE PLANTATION CO,	2940 HALEKO RD	SSW 1/8 - 1/4 (0.219 mi.)	J46	90
LIHUE PLANTATION CO,	2940 HALEKO RD	SSW 1/8 - 1/4 (0.219 mi.)	J47	91

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/02/2019 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIHUE PLANTATION SUG ACRES property ID: 21181 Cleanup Completion Date: -	2940 HALEKO ROAD	SSW 1/8 - 1/4 (0.219 mi.)	J48	92

#### **Records of Emergency Release Reports**

HI SPILLS: Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

A review of the HI SPILLS list, as provided by EDR, and dated 11/18/2019 has revealed that there is 1 HI SPILLS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KUHIO HIGHWAY & POIN	KUHIO HWY & POINCIAN	0 - 1/8 (0.000 mi.)	C8	14

## EXECUTIVE SUMMARY

### **Other Ascertainable Records**

RCRA NonGen / NLR: 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. 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). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SPEEDIE LUBE OF HI I</b> EPA ID:: HIR000000604	<b>3155 KUHIO HWY</b>	<b>W 0 - 1/8 (0.010 mi.)</b>	<b>A21</b>	<b>38</b>
<b>UNITED AGRI PRODUCTS</b> EPA ID:: HIT000619189	<b>2973 KELE ST</b>	<b>SSW 0 - 1/8 (0.113 mi.)</b>	<b>F35</b>	<b>72</b>
<b>VECTOR CONTROL BRANC</b> EPA ID:: HID000628388	<b>3040 UMI ST</b>	<b>SSE 1/8 - 1/4 (0.158 mi.)</b>	<b>H41</b>	<b>83</b>
<b>KAUAI SUGAR STORAGE</b> EPA ID:: HID009145632	<b>2970 KELE STREET</b>	<b>S 1/8 - 1/4 (0.177 mi.)</b>	<b>I43</b>	<b>86</b>

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there are 2 ICIS sites within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LIHUE SHELL SVC</b> FRS ID:: 110024542057	<b>3178 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A9</b>	<b>15</b>
<b>PARADISE SVC STA</b> FRS ID:: 110010596248	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A14</b>	<b>23</b>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 11/22/2019 has revealed that there are 10 FINDS sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WALMART-LIHUE STORE</b> Registry ID:: 110046180841		<b>0 - 1/8 (0.000 mi.)</b>	<b>B5</b>	<b>9</b>
<b>LYDGATE PARK - KAPAA</b>	<b>UNKNOWN</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B6</b>	<b>10</b>

## EXECUTIVE SUMMARY

Registry ID:: 110042392167  
 Registry ID:: 110049130738

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOLLAR RENT-A-CAR Registry ID:: 110046190830	3-3131 KUHIO HIGHWAY	0 - 1/8 (0.000 mi.)	A1	8
SPEEDIE LUBE OF HI I Registry ID:: 110046207797	3-3155 KUHIO HIGHWAY	0 - 1/8 (0.000 mi.)	A2	8
<b>CHEVRON 97619</b> Registry ID:: 110023110006	<b>3187 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A3</b>	<b>8</b>
<b>LIHUE SHELL SVC</b> Registry ID:: 110024542057	<b>3178 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A9</b>	<b>15</b>
<b>A STEP FORWARD</b> Registry ID:: 110058923973	<b>3135 KUHIO HIGHWAY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>D11</b>	<b>19</b>
<b>WILCOX MEMORIAL HOSP</b> Registry ID:: 110005726946	<b>3420 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A12</b>	<b>19</b>
<b>CLINICAL LABORATORIE</b> Registry ID:: 110044304062	<b>3420 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A13</b>	<b>22</b>
<b>PARADISE SVC STA</b> Registry ID:: 110010596248	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A14</b>	<b>23</b>

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 01/05/2020 has revealed that there are 7 ECHO sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LYDGATE PARK - KAPAA</b> Registry ID: 110049130738 Registry ID: 110042392167	<b>UNKNOWN</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>B6</b>	<b>10</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEVRON 97619</b> Registry ID: 110023110006	<b>3187 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A3</b>	<b>8</b>
<b>LIHUE SHELL SVC</b> Registry ID: 110024542057	<b>3178 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A9</b>	<b>15</b>
<b>A STEP FORWARD</b> Registry ID: 110058923973	<b>3135 KUHIO HIGHWAY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>D11</b>	<b>19</b>
<b>WILCOX MEMORIAL HOSP</b> Registry ID: 110005726946	<b>3420 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A12</b>	<b>19</b>
<b>CLINICAL LABORATORIE</b> Registry ID: 110044304062	<b>3420 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A13</b>	<b>22</b>
<b>PARADISE SVC STA</b> Registry ID: 110010596248	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A14</b>	<b>23</b>

## EXECUTIVE SUMMARY

HI AIRS: A listing of permitted facilities in the state.

A review of the HI AIRS list, as provided by EDR, and dated 12/19/2019 has revealed that there is 1 HI AIRS site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WILCOX MEMORIAL HOSP Facility Id: 0320-01-N	3420 KUHIO HIGHWAY	0 - 1/8 (0.000 mi.)	A4	9

HI Financial Assurance: A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

A review of the HI Financial Assurance list, as provided by EDR, and dated 11/25/2019 has revealed that there are 2 HI Financial Assurance sites within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>LIHUE SHELL</b> Alt Facility ID: 9-701555 Tank Status: Permanently Out of Use Tank Status: Currently In Use	<b>3178 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>C7</b>	<b>11</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>76 PARADISE #412</b> Alt Facility ID: 9-701643 Tank Status: Currently In Use Tank Status: Permanently Out of Use	<b>3155 KUHIO HWY</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A16</b>	<b>26</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
T & H SERVICE LTD*	3155 KUHIO HWY	W 0 - 1/8 (0.011 mi.)	A22	60
LIHUE SUPER SERVICE	3155 KUHIO HWY	W 0 - 1/8 (0.011 mi.)	A23	61

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PARADISE SERVICE	3155 JULIO HWY	W 0 - 1/8 (0.011 mi.)	A24	61

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UP TO DATE CLEANERS	3088 AKAHI ST	SSE 0 - 1/8 (0.056 mi.)	27	63

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UP TO DATE CLEANERS	4447 RICE ST	S 0 - 1/8 (0.123 mi.)	G36	73

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
HALEHAKA LANDFILL	HI SHWS
PARADISE 76 SERVICE STATION	HI SHWS
COUNTY OF KAUAI LIHUE REFUSE TRANS	HI SWF/LF
KUHIO HIGHWAY RESURFACING, KAPULE	FINDS, ECHO



# OVERVIEW MAP - 6066289.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

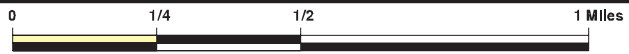
Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
 ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
 Lihue HI 96766  
 LAT/LONG: 21.978952 / 159.368144

CLIENT: Environmental Risk Analysis, LLC  
 CONTACT: Max Ulloa  
 INQUIRY #: 6066289.2s  
 DATE: May 18, 2020 12:29 pm

# DETAIL MAP - 6066289.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

0 1/16 1/8 1/4 Miles



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
 ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
 Lihue HI 96766  
 LAT/LONG: 21.978952 / 159.368144

CLIENT: Environmental Risk Analysis, LLC  
 CONTACT: Max Ulloa  
 INQUIRY #: 6066289.2s  
 DATE: May 18, 2020 12:30 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		4	1	NR	NR	NR	5
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
HI SHWS	1.000		2	2	1	2	NR	7
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
HI SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
HI LUST	0.500		6	4	2	NR	NR	12
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		1	0	NR	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HI UST	0.250		11	4	NR	NR	NR	15
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
HI ENG CONTROLS	0.500		0	0	0	NR	NR	0
HI INST CONTROL	0.500		1	0	0	NR	NR	1
<b>State and tribal voluntary cleanup sites</b>								
HI VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
HI BROWNFIELDS	0.500		0	2	0	NR	NR	2
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	1	0	NR	NR	1
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HI CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
HI SPILLS	0.001		1	NR	NR	NR	NR	1
HI SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		2	2	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		2	NR	NR	NR	NR	2
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		10	NR	NR	NR	NR	10
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		7	NR	NR	NR	NR	7
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
HI AIRS	0.001		1	NR	NR	NR	NR	1
HI DRYCLEANERS	0.250		0	0	NR	NR	NR	0
HI Financial Assurance	0.001		2	NR	NR	NR	NR	2
CA HAZNET	TP		NR	NR	NR	NR	NR	0
HI LEAD	0.001		0	NR	NR	NR	NR	0
HI UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

HI RGA HWS	0.001		0	NR	NR	NR	NR	0
HI RGA LF	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</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>
HI RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	55	18	3	2	0	78

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>A1</b>	<b>DOLLAR RENT-A-CAR</b> <b>3-3131 KUHIO HIGHWAY</b> <b>LIHUE, HI 96766</b>	<b>FINDS</b>	<b>1016368689</b> <b>N/A</b>
< 1/8 1 ft.	<b>Site 1 of 17 in cluster A</b>		

**Relative: Lower** FINDS: Registry ID: 110046190830  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046190830](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046190830)

**Actual: 206 ft.** Environmental Interest/Information System: STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

<b>A2</b>	<b>SPEEDIE LUBE OF HI INC</b> <b>3-3155 KUHIO HIGHWAY</b> <b>LIHUE, HI 96766</b>	<b>FINDS</b>	<b>1015857767</b> <b>N/A</b>
< 1/8 1 ft.	<b>Site 2 of 17 in cluster A</b>		

**Relative: Lower** FINDS: Registry ID: 110046207797  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046207797](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046207797)

**Actual: 208 ft.** Environmental Interest/Information System: STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

<b>A3</b>	<b>CHEVRON 97619</b> <b>3187 KUHIO HWY</b> <b>LIHUE, HI 96766</b>	<b>FINDS</b>	<b>1008939604</b> <b>N/A</b>
< 1/8 1 ft.	<b>Site 3 of 17 in cluster A</b>	<b>ECHO</b>	

**Relative: Lower** FINDS: Registry ID: 110023110006  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110023110006](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110023110006)

**Actual: 205 ft.** Environmental Interest/Information System: STATE MASTER

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:** Envid: 1008939604  
 Registry ID: 110023110006  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110023110006>  
 Name: CHEVRON 97619

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON 97619 (Continued)**

**1008939604**

Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

**A4**

**WILCOX MEMORIAL HOSPITAL  
3420 KUHIO HIGHWAY  
LIHUE, HI**

**HI AIRS S107769398  
N/A**

< 1/8  
1 ft.

**Site 4 of 17 in cluster A**

**Relative:  
Lower**

**AIRS:**

**Actual:  
205 ft.**

Name: WILCOX MEMORIAL HOSPITAL  
Address: 3420 KUHIO HIGHWAY  
City,State,Zip: LIHUE, HI  
Facility Identifier: 0320-01-N  
Island: Kauai  
Mailing Address: 55 Merchant Street, 27th Floor  
Locale: Not reported  
Mailing City: Honolulu  
Contact Name: Susan Nonaka  
Mailing State: Hawaii  
Mailing Zip: 96813  
Contact Phone: Vice President - General Services  
Business Phone: Not reported  
Issue Date: 06/27/2018  
Expiration Date: 06/26/2023  
Description: 1.This NSP encompasses the following equipment and associated appurtenances:a.One (1) Thermo Reduction Company Inc., pathological incinerator (liquefied petroleum gas (LPG)/propane fired), Model No. TR-10-P, Serial No. D063; andb.Two (2) Cleaver Brooks 100 HP dual-fired (diesel oil no. 2 and LPG/propane) steam boilers, Model No. CB 100-100, Serial Nos. L-85302, HAW 4046-89, and L-85303, HAW 4045-89.

**B5**

**WALMART-LIHUE STORE**

**FINDS 1016368417  
N/A**

< 1/8  
1 ft.

**KAUAI (County), HI**

**Site 1 of 2 in cluster B**

**Relative:  
Higher**

**FINDS:**

**Actual:  
218 ft.**

Registry ID: 110046180841  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046180841](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046180841)

Environmental Interest/Information System:  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B6** LYDGATE PARK - KAPAA PHASE C (POR.) & D BIKE/PEDES  
UNKNOWN  
< 1/8 UNKNOWN, HI 00000  
1 ft.

**FINDS** 1016691695  
**ECHO** N/A

Site 2 of 2 in cluster B

**Relative:**  
**Higher**  
**Actual:**  
**219 ft.**

**FINDS:**  
Registry ID: 110049130738  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail\\_disp\\_program\\_facility?p\\_registry\\_id=110049130738](http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110049130738)

Environmental Interest/Information System:  
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Registry ID: 110042392167  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail\\_disp\\_program\\_facility?p\\_registry\\_id=110042392167](http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110042392167)

Environmental Interest/Information System:  
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**  
Envid: 1016691695  
Registry ID: 110049130738  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110049130738>  
Name: LYDGATE PARK TO KAPAA BIKE/PEDESTRIAN PATH PHASE B, PROJECT NO. STP-0700 (61) (1)  
Address: UNKNOWN  
City,State,Zip: UNKNOWN, HI 00000

Envid: 1016691695  
Registry ID: 110042392167  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042392167>  
Name: LYDGATE PARK - KAPAA PHASE C (POR.) & D BIKE/PEDESTRIAN PATH  
Address: UNKNOWN  
City,State,Zip: UNKNOWN, HI 00000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

C7

LIHUE SHELL  
3178 KUHIO HWY  
LIHUE, HI 96766

HI LUST U001237304  
HI Financial Assurance N/A

< 1/8  
1 ft.

Site 1 of 5 in cluster C

Relative:  
Higher

LUST:

Actual:  
213 ft.

Facility ID: 9-701555  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 04/07/1998  
Release ID: 980083  
Project Officer: Richard Takaba

Facility ID: 9-701555  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 08/25/2005  
Release ID: 030015  
Project Officer: Richard Takaba

Facility ID: 9-701555  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 07/21/2009  
Release ID: 080021  
Project Officer: Richard Takaba

HI Financial Assurance:

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1B  
Tank Status: Currently In Use

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE SHELL (Continued)**

**U001237304**

FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-5  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-4  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1A  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-4  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-5  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE SHELL (Continued)**

**U001237304**

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1A  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1B  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 04/01/2013

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-5  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 09/15/2019

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1A  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/15/2019

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE SHELL (Continued)**

**U001237304**

Alt Facility ID: 9-701555  
 Tank Id: R-4  
 Tank Status: Permanently Out of Use  
 FRTYPE: Insurance  
 Expiration Date: 09/15/2019

Name: LIHUE SHELL  
 Address: 3178 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701555  
 Tank Id: 1B  
 Tank Status: Currently In Use  
 FRTYPE: Insurance  
 Expiration Date: 09/15/2019

Name: LIHUE SHELL  
 Address: 3178 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701555  
 Tank Id: R-3  
 Tank Status: Permanently Out of Use  
 FRTYPE: Insurance  
 Expiration Date: 09/15/2019

Name: LIHUE SHELL  
 Address: 3178 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701555  
 Tank Id: R-1  
 Tank Status: Permanently Out of Use  
 FRTYPE: Insurance  
 Expiration Date: 09/15/2019

Name: LIHUE SHELL  
 Address: 3178 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701555  
 Tank Id: R-2  
 Tank Status: Permanently Out of Use  
 FRTYPE: Insurance  
 Expiration Date: 09/15/2019

**C8**

**KUHIO HIGHWAY & POINCIANA STREET  
 KUHIO HWY & POINCIANA ST  
 LIHUE, HI 96766**

**HI SPILLS S107023348  
 N/A**

< 1/8  
 1 ft.

**Site 2 of 5 in cluster C**

**Relative:  
 Higher**

**SPILLS:**

**Actual:  
 213 ft.**

Name: KUHIO HIGHWAY & POINCIANA STREET  
 Address: KUHIO HWY & POINCIANA ST  
 Address 2: Not reported  
 City,State,Zip: LIHUE, HI 96766  
 Island: Kauai  
 Supplemental Loc. Text: Not reported  
 Case Number: 19910610  
 Facility Registry ID: Not reported  
 HID Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KUHIO HIGHWAY & POINCIANA STREET (Continued)**

**S107023348**

Lead and Program: HEER EP&R  
ER: Not reported  
Less Or Greater Than: Not reported  
Units: Kuhio Hwy & Poinciana St  
Activity Type: Response  
Activity Lead: Not reported  
Assignment End Date: Not reported  
Result: SOSC NFA  
File Under: Not reported  
Substances: OIL, HYDRAULIC FLUID  
Quantity: Not reported  
Units: Not reported  
Reported Date: Not reported  
Release Date: Not reported  
Release Duration: Not reported  
Media: Not reported  
Waterbody: Not reported  
Summary: Not reported  
Is Noteworthy for Reports: Not reported  
Is the Release a Fugitive Dumping: Not reported  
Tax Map Key: Not reported  
Assigned SOSC: Not reported  
Notified Agencies: Not reported  
Response Measures Taken: Not reported  
Incident Report Number: Not reported  
Coordination Needed: Not reported  
Tier II Facility: Not reported  
RMP: Not reported  
Follow-up Received On: Not reported  
Cost Recovery: Not reported  
Invoice To: Not reported  
Closed Date: Not reported  
Comments: Not reported  
Latitude: Not reported  
Longitude: Not reported

**A9**  
**< 1/8**  
**1 ft.**

**LIHUE SHELL SVC**  
**3178 KUHIO HWY**  
**LIHUE, HI 96766**

**ICIS 1009330725**  
**FINDS N/A**  
**ECHO**

**Site 5 of 17 in cluster A**

**Relative:**  
**Lower**  
**Actual:**  
**205 ft.**

ICIS:  
Enforcement Action ID: 09-1999-0179  
FRS ID: 110024542057  
Action Name: LIHUE SHELL SERVICE  
Facility Name: LIHUE SHELL SVC  
Facility Address: 3178 KUHIO HWY  
LIHUE, HI 96766  
Enforcement Action Type: RCRA 9006 Field Citation (UST)  
Facility County: KAUAI  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 9006FC  
Facility SIC Code: 5541  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 21.97697  
Longitude in Decimal Degrees: -159.36892

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE SHELL SVC (Continued)**

**1009330725**

Permit Type Desc: Not reported  
Program System Acronym: 16635  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported  
  
Enforcement Action ID: 09-1997-0141  
FRS ID: 110024542057  
Action Name: LIHUE SHELL SERVICE  
Facility Name: LIHUE SHELL SVC  
Facility Address: 3178 KUHIO HWY  
LIHUE, HI 96766  
  
Enforcement Action Type: RCRA 9006 Field Citation (UST)  
Facility County: KAUAI  
Program System Acronym: ICIS  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: 9006FC  
Facility SIC Code: 5541  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 21.97697  
Longitude in Decimal Degrees: -159.36892  
Permit Type Desc: Not reported  
Program System Acronym: 16635  
Facility NAICS Code: Not reported  
Tribal Land Code: Not reported

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 5541

**FINDS:**

Registry ID: 110024542057  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE SHELL SVC (Continued)**

**1009330725**

registry\_id=110024542057

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1009330725  
Registry ID: 110024542057  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110024542057>  
Name: ALOHA PETROLEUM: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

**A10**

**IES RETAIL KUHIO HWY  
3-3187 KUHIO HWY  
LIHUE, HI 96766**

**RCRA-VSQQ**

**1008880400  
HIR000136770**

**< 1/8  
1 ft.**

**Site 6 of 17 in cluster A**

**Relative:  
Lower**

RCRA-VSQQ:

**Actual:  
205 ft.**

Date form received by agency: 2016-10-27 00:00:00.0  
Facility name: IES RETAIL KUHIO HWY  
Facility address: 3-3187 KUHIO HWY  
LIHUE, HI 96766  
EPA ID: HIR000136770  
Mailing address: 91-480 MALAKOLE ST.  
KAPOLEI, HI 96707  
Contact: MARC DEXTER  
Contact address: 91-480 MALAKOLE ST.  
KAPOLEI, HI 96707  
Contact country: US  
Contact telephone: 808-682-5711  
Contact email: MARC.DEXTER@ISLANDENERGYSERVICES.COM  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IES RETAIL KUHIO HWY (Continued)**

**1008880400**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: IES RETAIL, LLC  
Owner/operator address: ROCKEFELLER PLAZA 54TH FLOOR  
NEW YORK, NY 10112  
Owner/operator country: US  
Owner/operator telephone: 212-605-6000  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 2016-11-01 00:00:00.  
Owner/Op end date: Not reported

Owner/operator name: IES RETAIL, LLC  
Owner/operator address: ROCKEFELLER PLAZA 54TH FLOOR  
NEW YORK, NY 10112  
Owner/operator country: US  
Owner/operator telephone: 212-605-6000  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 2016-11-01 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IES RETAIL KUHIO HWY (Continued)**

**1008880400**

Historical Generators:

Date form received by agency: 2005-09-16 00:00:00.0  
Site name: CHEVRON 97619  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D018  
Waste name: BENZENE  
Violation Status: No violations found

D11  
< 1/8  
1 ft.

**A STEP FORWARD  
3135 KUHIO HIGHWAY  
LIHUE, HI 96766**

**FINDS 1016827569  
ECHO N/A**

**Site 1 of 2 in cluster D**

**Relative:  
Lower  
Actual:  
204 ft.**

FINDS:  
Registry ID: 110058923973  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail\\_disp\\_program\\_facility?p\\_registry\\_id=110058923973](http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110058923973)

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016827569  
Registry ID: 110058923973  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110058923973>  
Name: A STEP FORWARD  
Address: 3135 KUHIO HIGHWAY  
City,State,Zip: LIHUE, HI 96766

A12  
< 1/8  
1 ft.

**WILCOX MEMORIAL HOSPITAL  
3420 KUHIO HWY  
LIHUE, HI 96766**

**RCRA-VSQG 1012178243  
FINDS HIR000138966  
ECHO**

**Site 7 of 17 in cluster A**

**Relative:  
Lower  
Actual:  
205 ft.**

RCRA-VSQG:  
Date form received by agency: 2019-11-20 00:00:00.0  
Facility name: CLINICAL LABORATORIES OF HAWAII  
Facility address: 3-3420 KUHIO HWY  
LABORATORY, GROUND FLOOR  
LIHUE, HI 96766  
EPA ID: HIR000138966

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILCOX MEMORIAL HOSPITAL (Continued)**

**1012178243**

Mailing address: KUHIO HWY  
LIHUE, HI 96766  
Contact: KRISTIN TONE  
Contact address: KUHIO HWY  
LIHUE, HI 96766  
Contact country: US  
Contact telephone: 808-245-1082  
Contact email: KRISTIN.TONE@HAWAIIILABS.COM  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: SONIC HAWAII HOLDINGS INC.  
Owner/operator address: 9737 GREAT HILLS TRAIL SUITE 100  
AUSTIN, TX 78759  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 2008-09-03 00:00:00.  
Owner/Op end date: Not reported

Owner/operator name: PAN PACIFIC PATHOLOGISTS, LLC  
Owner/operator address: 33 LANIHULI STREET  
HILO, HI 96720  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 1995-07-25 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): Not reported  
Recycler of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILCOX MEMORIAL HOSPITAL (Continued)**

**1012178243**

Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 2018-06-07 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2011-10-13 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2008-12-26 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D040  
. Waste name: TRICHTHLORETHYLENE

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY 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.

Violation Status: No violations found

FINDS:

Registry ID: 110005726946  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail\\_disp\\_program\\_facility?p\\_](http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WILCOX MEMORIAL HOSPITAL (Continued)**

**1012178243**

registry\_id=110005726946

Environmental Interest/Information System:

**COMPLIANCE AND EMISSIONS REPORTING**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**HAZARDOUS WASTE BIENNIAL REPORTER**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1012178243  
Registry ID: 110005726946  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005726946>  
Name: WILCOX MEMORIAL HOSPITAL  
Address: 3420 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

A13

**CLINICAL LABORATORIES OF HAWAII**  
**3420 KUHIO HWY**  
**LIHUE, HI 96766**

**FINDS 1012110090**  
**ECHO N/A**

< 1/8  
1 ft.

**Site 8 of 17 in cluster A**

**Relative:**  
**Lower**  
**Actual:**  
**205 ft.**

FINDS:

Registry ID: 110044304062  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail\\_disp\\_program\\_facility?p\\_registry\\_id=110044304062](http://ofmpub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110044304062)

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CLINICAL LABORATORIES OF HAWAII (Continued)**

**1012110090**

**ECHO:**

Envid: 1012110090  
 Registry ID: 110044304062  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110044304062>  
 Name: CLINICAL LABORATORIES OF HAWAII  
 Address: 3420 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

**A14**

**PARADISE SVC STA  
 3155 KUHIO HWY  
 LIHUE, HI 96766**

**ICIS 1006257729  
 FINDS N/A  
 ECHO**

**< 1/8  
 1 ft.**

**Site 9 of 17 in cluster A**

**Relative:  
 Lower**

**ICIS:**

Enforcement Action ID: 09-1998-0073  
 FRS ID: 110010596248  
 Action Name: PARADISE SERVICE STATION  
 Facility Name: PARADISE SVC STA  
 Facility Address: 3155 KUHIO HWY  
 LIHUE, HI 96766  
 Enforcement Action Type: RCRA 9006 Field Citation (UST)  
 Facility County: KAUAI  
 Program System Acronym: ICIS  
 Enforcement Action Forum Desc: Administrative - Formal  
 EA Type Code: 9006FC  
 Facility SIC Code: Not reported  
 Federal Facility ID: Not reported  
 Latitude in Decimal Degrees: 21.97697  
 Longitude in Decimal Degrees: -159.36892  
 Permit Type Desc: Not reported  
 Program System Acronym: 16568  
 Facility NAICS Code: Not reported  
 Tribal Land Code: Not reported

**Actual:  
 205 ft.**

Facility Name: PARADISE SVC STA  
 Address: 3155 KUHIO HIGHWAY  
 Tribal Indicator: N  
 Fed Facility: Not reported  
 NAIC Code: Not reported  
 SIC Code: Not reported

**FINDS:**

Registry ID: 110010596248  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110010596248](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110010596248)

**Environmental Interest/Information System:**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARADISE SVC STA (Continued)**

**1006257729**

it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1006257729  
Registry ID: 110010596248  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110010596248>  
Name: PARADISE SVC STA  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

**A15**

**ALOHA PETROLEUM: LIHUE SHELL**  
**3178 KUHIO HWY**  
**LIHUE, HI 96766**

**RCRA-VSQG**

**1009398539**  
**HIR000137463**

**< 1/8**  
**1 ft.**

**Site 10 of 17 in cluster A**

**Relative:**  
**Lower**

**RCRA-VSQG:**

**Actual:**  
**205 ft.**

Date form received by agency: 2018-07-06 00:00:00.0  
Facility name: ALOHA PETROLEUM: LIHUE SHELL  
Facility address: 3178 KUHIO HWY  
LIHUE, HI 96766  
EPA ID: HIR000137463  
Mailing address: KUHIO HWY  
LIHUE, HI 96766  
Contact: GREGORY MCCARTNEY  
Contact address: BISHOP STREET SUITE 1700  
HONOLULU, HI 96813  
Contact country: US  
Contact telephone: 808-522-9704  
Contact email: GMCCARTNEY@ALOHAGAS.COM  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: ALOHA PETROLEUM LTD  
Owner/operator address: 1132 BISHOP ST, SUITE 1700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALOHA PETROLEUM: LIHUE SHELL (Continued)**

**1009398539**

HONOLULU, HI 96813  
Owner/operator country: US  
Owner/operator telephone: 808-522-9700  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 1999-03-01 00:00:00.  
Owner/Op end date: Not reported

Owner/operator name: ALOHA PETROLEUM LTD  
Owner/operator address: 1132 BISHOP ST, SUITE 1700  
HONOLULU, HI 96813  
Owner/operator country: US  
Owner/operator telephone: 808-522-9700  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 1999-03-01 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 2018-06-12 00:00:00.0  
Site name: LIHUE SHELL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0  
Site name: LIHUE SHELL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2006-02-27 00:00:00.0  
Site name: SHELL OIL PRODUCTS SAP 139572  
Classification: Small Quantity Generator

Hazardous Waste Summary:



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ALOHA PETROLEUM: LIHUE SHELL (Continued)**

**1009398539**

. Waste code: D001  
 . Waste name: IGNITABLE WASTE

. Waste code: D018  
 . Waste name: BENZENE

Violation Status: No violations found

**A16**

**76 PARADISE #412  
 3155 KUHIO HWY  
 LIHUE, HI 96766**

**HI LUST  
 HI UST**

**U001237313  
 N/A**

< 1/8  
 1 ft.

**HI Financial Assurance**

**Site 11 of 17 in cluster A**

**Relative:  
 Lower  
 Actual:  
 205 ft.**

**LUST:**  
 Facility ID: 9-701643  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 03/30/2007  
 Release ID: 990133  
 Project Officer: Darren Park

**UST:**  
 Facility ID: 9-701643  
 Owner: Par Hawaii, LLC  
 Owner Address: 1132 Bishop Street, Suite 2500  
 Owner City,St,Zip: Lihue, 96766 96766  
 Latitude: 21.979089999999999  
 Longitude: -159.36836  
 Horizontal Reference Datum Name: NAD83  
 Horizontal Collection Method Name: GPS

Tank ID: 1A  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not reported  
 Tank Capacity: 7000  
 Substance: Gasohol

Tank ID: 1B  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not reported  
 Tank Capacity: 4000  
 Substance: Gasohol

Tank ID: 1C  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not reported  
 Tank Capacity: 3000  
 Substance: Diesel

Tank ID: R-1  
 Date Installed: Not reported  
**Tank Status: Permanently Out of Use**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

76 PARADISE #412 (Continued)

U001237313

Date Closed: 01/15/1999  
Tank Capacity: 4000  
Substance: Gasoline

Tank ID: R-2  
Date Installed: Not reported  
**Tank Status: Permanently Out of Use**  
Date Closed: 01/19/1999  
Tank Capacity: 4000  
Substance: Gasoline

Tank ID: R-3  
Date Installed: Not reported  
**Tank Status: Permanently Out of Use**  
Date Closed: 01/15/1999  
Tank Capacity: 250  
Substance: Used Oil

HI Financial Assurance:

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1C  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1A  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

76 PARADISE #412 (Continued)

U001237313

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1B  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1A  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

76 PARADISE #412 (Continued)

U001237313

Alt Facility ID: 9-701643  
Tank Id: 1C  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1B  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 03/31/2013

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1C  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/30/2018

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 09/30/2018

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: 1B  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/30/2018

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 09/30/2018

Name: 76 PARADISE #412  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701643  
Tank Id: R-1  
Tank Status: Permanently Out of Use

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**76 PARADISE #412 (Continued)**

**U001237313**

FRTYPE: Insurance  
 Expiration Date: 09/30/2018

Name: 76 PARADISE #412  
 Address: 3155 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701643  
 Tank Id: 1A  
 Tank Status: Currently In Use  
 FRTYPE: Insurance  
 Expiration Date: 09/30/2018

**C17**  
**North**  
**< 1/8**  
**0.003 mi.**  
**16 ft.**

**GARY'S SERVICE STATION**  
**3187 KUHIO HWY**  
**LIHUE, HI 96766**

**HI SHWS**  
**HI INST CONTROL**  
**HI SPILLS**

**U001237285**  
**N/A**

**Site 3 of 5 in cluster C**

**Relative:**  
**Higher**

**SHWS:**

**Actual:**  
**214 ft.**

<p>Organization: Not reported          Supplemental Location: Not reported          Island: Kauai          Environmental Interest: Gary's Service Station          HID Number: Not reported          Facility Registry Identifier: 110013780998          Lead Agency: SHWB          Program: State          Project Manager: Cal Miyahara          Hazard Priority: NFA          Potential Hazards And Controls: Hazard Managed With Controls          Island: Kauai          SDAR Environmental Interest Name: Gary's Service Station          HID Number: Not reported          Facility Registry Identifier: 110013780998          Lead Agency: SHWB          Potential Hazard And Controls: Hazard Managed With Controls          Priority: NFA          Assessment: Response Necessary          Response: Response Complete          Nature of Contamination: Not reported          Nature of Residual Contamination: Residual petroleum contamination left on site. Under SHWB, de minimis levels (below Tier 1 EALs) of petroleum is reportable, therefore, the site was given a restricted NFA letter.</p> <p>Use Restrictions: Controls Required to Manage Contamination          Engineering Control: Not reported          Description of Restrictions: Not reported          Institutional Control: Government - Hawaii Dept. of Health Letter Issued          Within Designated Areawide Contamination: Not reported          Site Closure Type: No Further Action Letter - Restricted Use          Document Date: 01/10/2008          Document Number: Not reported          Document Subject: SHWB NFA Letter          Project Manager: Cal Miyahara          Contact Information: (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782</p>	<p>Not reported          Not reported          Kauai          Gary's Service Station          Not reported          110013780998          SHWB          State          Cal Miyahara          NFA          Hazard Managed With Controls          Kauai          Gary's Service Station          Not reported          110013780998          SHWB          Hazard Managed With Controls          NFA          Response Necessary          Response Complete          Not reported          Residual petroleum contamination left on site. Under SHWB, de minimis levels (below Tier 1 EALs) of petroleum is reportable, therefore, the site was given a restricted NFA letter.          Controls Required to Manage Contamination          Not reported          Not reported          Government - Hawaii Dept. of Health Letter Issued          Not reported          No Further Action Letter - Restricted Use          01/10/2008          Not reported          SHWB NFA Letter          Cal Miyahara          (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782</p>
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**INST CONTROL:**

Potential hazards and controls: Hazard Managed With Controls

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GARY'S SERVICE STATION (Continued)**

**U001237285**

Supplemental Location: Not reported  
Zip Suffix: Not reported  
Island: Kauai  
Institutional Control: Government - Hawaii Dept. of Health Letter Issued

**SPILLS:**

Name: GARY'S SERVICE STATION  
Address: 3187 KUHIO HWY  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 96766  
Island: Kauai  
Supplemental Loc. Text: Not reported  
Case Number: 20050218-1134  
Facility Registry ID: 110013780998  
HID Number: Not reported  
Lead and Program: HEER EP&R  
ER: No  
Less Or Greater Than: Not reported  
Units: Sand and grease trap removal  
Activity Type: Response  
Activity Lead: Paul Chong  
Assignment End Date: 2005-02-24 00:00:00  
Result: SOSC NFA  
File Under: Chevron Products Company  
Substances: Petroleum Hydrocarbons  
Quantity: Not reported  
Units: Not reported  
Reported Date: Not reported  
Release Date: Not reported  
Release Duration: Not reported  
Media: Not reported  
Waterbody: Not reported  
Summary: Not reported  
Is Noteworthy for Reports: Not reported  
Is the Release a Fugitive Dumping: Not reported  
Tax Map Key: Not reported  
Assigned SOSC: Not reported  
Notified Agencies: Not reported  
Response Measures Taken: Not reported  
Incident Report Number: Not reported  
Coordination Needed: Not reported  
Tier II Facility: Not reported  
RMP: Not reported  
Follow-up Received On: Not reported  
Cost Recovery: Not reported  
Invoice To: Not reported  
Closed Date: Not reported  
Comments: Not reported  
Latitude: 21.997447000000001  
Longitude: -159.41543899999999

Name: GARY'S SERVICE STATION  
Address: 3187 KUHIO HWY  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 96766  
Island: Kauai  
Supplemental Loc. Text: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GARY'S SERVICE STATION (Continued)**

**U001237285**

Case Number: 20050218-1134  
Facility Registry ID: 110013780998  
HID Number: Not reported  
Lead and Program: HEER EP&R  
ER: No  
Less Or Greater Than: Not reported  
Units: Sand and grease trap removal  
Activity Type: Response  
Activity Lead: Paul Chong  
Assignment End Date: 2005-02-24 00:00:00  
Result: SOSC NFA  
File Under: Chevron Products Company  
Substances: Petroleum Hydrocarbons  
Quantity: Not reported  
Units: Not reported  
Reported Date: Not reported  
Release Date: Not reported  
Release Duration: Not reported  
Media: Not reported  
Waterbody: Not reported  
Summary: Not reported  
Is Noteworthy for Reports: Not reported  
Is the Release a Fugitive Dumping: Not reported  
Tax Map Key: Not reported  
Assigned SOSC: Not reported  
Notified Agencies: Not reported  
Response Measures Taken: Not reported  
Incident Report Number: Not reported  
Coordination Needed: Not reported  
Tier II Facility: Not reported  
RMP: Not reported  
Follow-up Received On: Not reported  
Cost Recovery: Not reported  
Invoice To: Not reported  
Closed Date: Not reported  
Comments: Not reported  
Latitude: 21.979858  
Longitude: -159.36841899999999

Name: GARY'S SERVICE STATION  
Address: 3187 KUHIO HWY  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 96766  
Island: Kauai  
Supplemental Loc. Text: Not reported  
Case Number: 20050218-1134  
Facility Registry ID: 110013780998  
HID Number: Not reported  
Lead and Program: HEER EP&R  
ER: No  
Less Or Greater Than: Not reported  
Units: Sand and grease trap removal  
Activity Type: Response  
Activity Lead: Paul Chong  
Assignment End Date: 2005-02-24 00:00:00  
Result: SOSC NFA  
File Under: Chevron Products Company

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GARY'S SERVICE STATION (Continued)**

**U001237285**

Substances:	Petroleum Hydrocarbons
Quantity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.979858
Longitude:	-159.36841899999999

**A18**  
**WSW**  
 < 1/8  
 0.004 mi.  
 20 ft.

**AMFAC DISTRIBUTION HAWAII INC.**  
**3215 KUHIO HWY**  
**LIHUE, HI 96766**

**HI UST**    **U001237335**  
 N/A

**Site 12 of 17 in cluster A**

**Relative:**  
**Lower**

UST:	
Facility ID:	9-701961
Owner:	300 CORPORATION
Owner Address:	445 SEASIDE AVE, SUITE 3
Owner City,St,Zip:	Lihue, 96766 96766
Latitude:	Not reported
Longitude:	Not reported
Horizontal Reference Datum Name:	Not reported
Horizontal Collection Method Name:	Not reported

**Actual:**  
**207 ft.**

Tank ID:	R-1
Date Installed:	Not reported
<b>Tank Status:</b>	<b>Permanently Out of Use</b>
Date Closed:	12/01/1991
Tank Capacity:	Not reported
Substance:	Diesel



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C19**  
**North**  
**< 1/8**  
**0.007 mi.**  
**38 ft.**

**IES RETAIL KUHIO HIGHWAY**  
**3187 KUHIO HWY**  
**LIHUE, HI 96766**

**HI LUST** **U004228187**  
**HI UST** **N/A**  
**HI Financial Assurance**

**Site 4 of 5 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**215 ft.**

**LUST:**  
Facility ID: 9-701130  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 01/10/2008  
Release ID: 040019  
Project Officer: Darren Park

Facility ID: 9-701130  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 11/24/2006  
Release ID: 050008  
Project Officer: Darren Park

**UST:**  
Facility ID: 9-701130  
Owner: IES Retail, LLC  
Owner Address: 91-480 Malakole Street  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.979939999999999  
Longitude: -159.36813000000001  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: GPS

Tank ID: 1  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 1  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 2  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 2  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IES RETAIL KUHIO HIGHWAY (Continued)

U004228187

Tank ID: 3  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 3  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: r-4  
Date Installed: 09/01/1985  
**Tank Status: Permanently Out of Use**  
Date Closed: 01/11/2005  
Tank Capacity: 1000  
Substance: Used Oil

Tank ID: r-4  
Date Installed: 09/01/1985  
**Tank Status: Permanently Out of Use**  
Date Closed: 01/11/2005  
Tank Capacity: 1000  
Substance: Used Oil

HI Financial Assurance:

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 3  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2012

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 1  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2012

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: r-4  
Tank Status: Permanently Out of Use  
FRTYPE: Guarantee

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IES RETAIL KUHIO HIGHWAY (Continued)**

**U004228187**

Expiration Date: 04/27/2012  
  
Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 2  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2012

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: r-4  
Tank Status: Permanently Out of Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2015

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 3  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2015

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 1  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2015

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 2  
Tank Status: Currently in Use  
FRTYPE: Guarantee  
Expiration Date: 04/27/2015

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 2  
Tank Status: Currently in Use  
FRTYPE: Insurance  
Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IES RETAIL KUHIO HIGHWAY (Continued)**

**U004228187**

Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 3  
Tank Status: Currently in Use  
FRTYPE: Insurance  
Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: 1  
Tank Status: Currently in Use  
FRTYPE: Insurance  
Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY  
Address: 3187 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701130  
Tank Id: r-4  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 11/01/2021

**A20**  
**SW**  
**< 1/8**  
**0.009 mi.**  
**50 ft.**

**3137 KUHIO HIGHWAY**  
**LIHUE, HI 96766**  
**Site 13 of 17 in cluster A**

**FEMA UST 1012209541**  
**N/A**

**Relative:** FEMA UST:  
**Lower** SRNO: 16  
Tank ID: Not reported  
Tank Name: Not reported  
Org: Not reported  
Region: Not reported  
Address: 3137 Kuhio Highway  
City: Lihue  
State: HI  
Zip: 96766  
Tank Type: Not reported  
Tank Size: Not reported  
Substance: Not reported  
Tank Status: Not reported  
Tank Use: Not reported  
Tank Name: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A21**  
**West**  
**< 1/8**  
**0.010 mi.**  
**51 ft.**

**SPEEDIE LUBE OF HI INC**  
**3155 KUHIO HWY**  
**LIHUE, HI 96766**

**Site 14 of 17 in cluster A**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**  
**CA HAZNET**

**1001086561**  
**HIR000000604**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 2018-07-03 00:00:00.0

**Actual:**  
**205 ft.**

Facility name: SPEEDIE LUBE OF HI INC

Facility address: 3155 KUHIO HWY

LIHUE, HI 96766

EPA ID: HIR000000604

Contact: STEVE LEWIS

Contact address: 2471 APAPANE ST

LIHUE, HI 96766

Contact country: US

Contact telephone: 808-245-6364

Contact email: STEVIEMOTARD@AOL.COM

EPA Region: 09

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: STEVE C LEWIS

Owner/operator address: 2471 APAPANE ST

LIHUE, HI 96766

Owner/operator country: US

Owner/operator telephone: 808-245-8175

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

**Historical Generators:**

Date form received by agency: 2017-03-21 00:00:00.0

Site name: SPEEDIE LUBE OF HI INC

Classification: Not a generator, verified

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Date form received by agency: 2010-02-25 00:00:00.0  
Site name: SPEEDIE LUBE OF HI INC  
Classification: Not a generator, verified

Date form received by agency: 1996-02-12 00:00:00.0  
Site name: SPEEDIE LUBE OF HI INC  
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2016-03-07 00:00:00.0  
Date achieved compliance: 2016-06-29 00:00:00.0  
Violation lead agency: State  
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Enforcement action date: 2016-03-21 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: SR - HRS 11-279-90  
Area of violation: Used Oil - Processors and Re-refiners  
Date violation determined: 2002-09-05 00:00:00.0  
Date achieved compliance: 2003-09-05 00:00:00.0  
Violation lead agency: State  
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Enforcement action date: 2003-10-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 12000  
Paid penalty amount: Not reported

Regulation violated: SR - HRS 11-279-90  
Area of violation: Used Oil - Processors and Re-refiners  
Date violation determined: 2002-09-05 00:00:00.0  
Date achieved compliance: 2003-09-05 00:00:00.0  
Violation lead agency: State  
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Enforcement action date: 2003-08-26 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2015-11-25 00:00:00.0  
Evaluation: WRITTEN INFORMAL  
Area of violation: State Statute or Regulation  
Date achieved compliance: 2016-06-29 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Evaluation lead agency: State  
  
Evaluation date: 2002-09-05 00:00:00.0  
Evaluation: FINAL 3008(A) COMPLIANCE ORDER  
Area of violation: Used Oil - Processors and Re-refiners  
Date achieved compliance: 2003-09-05 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2002-09-05 00:00:00.0  
Evaluation: INITIAL 3008(A) COMPLIANCE  
Area of violation: Used Oil - Processors and Re-refiners  
Date achieved compliance: 2003-09-05 00:00:00.0  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110005729480  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110005729480](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005729480)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1001086561  
Registry ID: 110005729480  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005729480>  
Name: SPEEDIE LUBE OF HI INC  
Address: 3155 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766

**HAZNET:**

Name: SPEEDIE LUBE OF HI INC  
Address: 3155 KUHIO HWY  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 967660000  
Contact: STEVE LEWIS  
Telephone: 8082456364  
Mailing Name: Not reported  
Mailing Address: 2471 APAPANE ST

Year: 2008  
Gepaid: HIR000000604  
TSD EPA ID: CAD980887418  
CA Waste Code: 221 - Waste oil and mixed oil  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect  
Tons: 68.4

Year: 2007  
Gepaid: HIR000000604

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	114
Year:	2006
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	68.4
Year:	2006
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	45.6
Year:	2005
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	-
Disposal Method:	R01 - Recycler
Tons:	25.02
Year:	2005
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	160.36
Year:	2004
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	113.5934
Year:	2003
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	91.2
Year:	2002
Gepaid:	HIR000000604
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	22.8
Year:	2001



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Gepaid: HIR000000604  
TSD EPA ID: CAD980887418  
CA Waste Code: 221 - Waste oil and mixed oil  
Disposal Method: R01 - Recycler  
Tons: 115.14

[Click this hyperlink](#) while viewing on your computer to access  
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2002  
Gen EPA ID: HIR000000604  
  
Shipment Date: 20020107  
Creation Date: 2/20/2002 0:00:00  
Receipt Date: 20010111  
Manifest ID: 21088442  
Trans EPA ID: CAD982413262  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSD EPA ID: CAD980887418  
Trans Name: Not reported  
TSD Alt EPA ID: CAD980887418  
TSD Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 1999  
Gen EPA ID: HIR000000604  
  
Shipment Date: 19991222  
Creation Date: 2/15/2000 0:00:00  
Receipt Date: 19991223  
Manifest ID: 99473815  
Trans EPA ID: CAD006912620  
Trans Name: Not reported  
Trans 2 EPA ID: CAD982413262  
Trans 2 Name: Not reported  
TSD EPA ID: CAD980887418  
Trans Name: Not reported  
TSD Alt EPA ID: Not reported  
TSD Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2004  
Gen EPA ID: HIR000000604

Shipment Date: 20041011  
Creation Date: 1/10/2005 18:31:02  
Receipt Date: 20041011  
Manifest ID: 21758982  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SVC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: NONE  
Disposal Method: R01 - Recycler  
Quantity Tons: 23.56  
Waste Quantity: 6200  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20041007  
Creation Date: 12/21/2004 18:30:50  
Receipt Date: 20041008  
Manifest ID: 23487725  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: NONE  
Disposal Method: R01 - Recycler  
Quantity Tons: 24.13  
Waste Quantity: 6350  
Quantity Unit: G  
Additional Code 1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040519
Creation Date:	11/23/2004 7:37:59
Receipt Date:	20040521
Manifest ID:	22553553
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8342
Waste Quantity:	6009
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040519
Creation Date:	11/23/2004 7:36:52
Receipt Date:	20040521
Manifest ID:	21688795
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.1692
Waste Quantity:	5834
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040109
Creation Date:	11/18/2004 8:25:56
Receipt Date:	20040112
Manifest ID:	22558694

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	20.9
Waste Quantity:	5500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2003
Gen EPA ID:	HIR000000604
Shipment Date:	20030909
Creation Date:	7/29/2004 7:46:19
Receipt Date:	20030909
Manifest ID:	22554009
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030909
Creation Date:	7/29/2004 7:46:19
Receipt Date:	20030910
Manifest ID:	22554011
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030505  
Creation Date: 8/29/2003 18:31:02  
Receipt Date: 20030505  
Manifest ID: 22680293  
Trans EPA ID: CAD982413262  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20030505  
Creation Date: 8/29/2003 18:31:02  
Receipt Date: 20030505  
Manifest ID: 22680293  
Trans EPA ID: CAD982413262  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2008  
Gen EPA ID: HIR000000604

Shipment Date: 20080417  
Creation Date: 6/4/2008 18:30:29  
Receipt Date: 20080419  
Manifest ID: 003338263JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect

Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20080219  
Creation Date: 6/25/2008 18:30:07  
Receipt Date: 20080226  
Manifest ID: 003338256JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect

Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20080110  
Creation Date: 3/12/2008 18:30:24  
Receipt Date: 20080112  
Manifest ID: 002586834JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2006  
Gen EPA ID: HIR000000604

Shipment Date: 20061204  
Creation Date: 3/30/2007 13:33:47  
Receipt Date: 20061204  
Manifest ID: 002582059JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Shipment Date:	20060913
Creation Date:	4/19/2007 18:30:58
Receipt Date:	20060913
Manifest ID:	000900314JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060727
Creation Date:	9/27/2006 18:33:49
Receipt Date:	20060730
Manifest ID:	24730348
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060501
Creation Date:	12/22/2006 18:30:48
Receipt Date:	20060501
Manifest ID:	24730502
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

TSDF EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDF Alt EPA ID: CAD980887418  
TSDF Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20060209  
Creation Date: 6/14/2006 18:34:03  
Receipt Date: 20060213  
Manifest ID: 24734215  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDF Alt EPA ID: CAD980887418  
TSDF Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2007  
Gen EPA ID: HIR000000604

Shipment Date: 20071026  
Creation Date: 1/8/2008 18:30:22  
Receipt Date: 20071028  
Manifest ID: 002586835JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20070817  
Creation Date: 1/8/2008 18:30:29  
Receipt Date: 20070818  
Manifest ID: 002586833JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20070704  
Creation Date: 11/3/2007 18:30:58  
Receipt Date: 20070706  
Manifest ID: 002586832JJK  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid  
Regeneration, Organics Recovery Ect  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070426
Creation Date:	8/28/2007 18:30:20
Receipt Date:	20070430
Manifest ID:	002586831JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070216
Creation Date:	8/9/2007 18:31:05
Receipt Date:	20070217
Manifest ID:	002582058JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year: 2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Gen EPA ID:	HIR000000604
Shipment Date:	20011219
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011220
Manifest ID:	21088595
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011015
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20011016
Manifest ID:	21096588
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010807
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010809
Manifest ID:	21096879
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010508  
Creation Date: 7/10/2001 0:00:00  
Receipt Date: 20010508  
Manifest ID: 20813963  
Trans EPA ID: CAD982413262  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20010102  
Creation Date: 3/22/2001 0:00:00  
Receipt Date: 20010103  
Manifest ID: 20126315  
Trans EPA ID: CAD982413262  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: Not reported  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 23.94

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Waste Quantity: 6300  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2005  
Gen EPA ID: HIR000000604

Shipment Date: 20051221  
Creation Date: 3/22/2006 18:31:37  
Receipt Date: 20051224  
Manifest ID: 24734086  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20051216  
Creation Date: 1/4/2007 18:30:12  
Receipt Date: 20051219  
Manifest ID: 23489569  
Trans EPA ID: CAD982413262  
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980887418  
Trans Name: EVERGREEN OIL INC  
TSDf Alt EPA ID: CAD980887418  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: R01 - Recycler  
Quantity Tons: 22.8  
Waste Quantity: 6000  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051021
Creation Date:	6/22/2006 18:31:22
Receipt Date:	20051021
Manifest ID:	21684621
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050816
Creation Date:	4/13/2006 18:46:51
Receipt Date:	20050816
Manifest ID:	23803331
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050804
Creation Date:	11/23/2005 18:30:57
Receipt Date:	20050806
Manifest ID:	23803259
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050517
Creation Date:	8/17/2005 18:31:07
Receipt Date:	20050518
Manifest ID:	23797590
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	NONE
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050414
Creation Date:	7/21/2005 18:32:26
Receipt Date:	20050424
Manifest ID:	23494256
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	NONE
Disposal Method:	R01 - Recycler



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Quantity Tons:	25.02
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050214
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050214
Manifest ID:	21684619
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	EVERGREEN OIL INC
TSDF Alt EPA ID:	CAD980887418
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	NONE
Disposal Method:	R01 - Recycler
Quantity Tons:	23.56
Waste Quantity:	6200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2000
Gen EPA ID:	HIR000000604
Shipment Date:	20001206
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001206
Manifest ID:	99473597
Trans EPA ID:	CAD006912620
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982484370
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	23.3776
Waste Quantity:	6152
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000906
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000906
Manifest ID:	99890072
Trans EPA ID:	CAD006912620
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982413262
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	23.94
Waste Quantity:	6300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000518
Creation Date:	8/1/2000 0:00:00
Receipt Date:	20000518
Manifest ID:	99476421
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000411
Creation Date:	6/13/2000 0:00:00
Receipt Date:	20000411
Manifest ID:	99474782
Trans EPA ID:	CAD982413262

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SPEEDIE LUBE OF HI INC (Continued)**

**1001086561**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000218
Creation Date:	5/3/2000 0:00:00
Receipt Date:	20000306
Manifest ID:	99474593
Trans EPA ID:	CAD006912620
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982413262
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980887418
Trans Name:	Not reported
TSDf Alt EPA ID:	CAD980887418
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	22.8
Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

**A22**  
**West**  
 < 1/8  
 0.011 mi.  
 56 ft.

**T & H SERVICE LTD\***  
**3155 KUHIO HWY**  
**LIHUE, HI 96766**  
**Site 15 of 17 in cluster A**

**EDR Hist Auto 1021471157**  
**N/A**

**Relative:**  
**Lower**

EDR Hist Auto

**Actual:**  
 205 ft.

Year:	Name:	Type:
1969	T & H SERVICE LTD*	Gasoline Service Stations
1970	T & H SERVICE LTD*	Gasoline Service Stations
1971	LIHUE SUPER SERVICE	Gasoline Service Stations
1972	LIHUE SUPER SERVICE	Gasoline Service Stations

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A23**            **LIHUE SUPER SERVICE**  
**West**         **3155 KUHIO HWY**  
**< 1/8**         **LIHUE, HI 96766**  
**0.011 mi.**  
**56 ft.**         **Site 16 of 17 in cluster A**

**EDR Hist Auto**    **1021229527**  
**N/A**

**Relative:**        EDR Hist Auto  
**Lower**

Actual: 205 ft.	Year:	Name:	Type:
	1973	LIHUE SUPER SERVICE	Gasoline Service Stations
	1974	LIHUE SUPER SERVICE	Gasoline Service Stations
	1975	LIHUE SUPER SERVICE	Gasoline Service Stations
	1976	LIHUE SUPER SERVICE	Gasoline Service Stations
	1977	LIHUE SUPER SERVICE	Gasoline Service Stations
	1978	LIHUE SUPER SERVICE	Gasoline Service Stations
	1979	LIHUE SUPER SERVICE	Gasoline Service Stations
	1980	LIHUE SUPER SERVICE	Gasoline Service Stations
	1982	LIHUE SUPER SERVICE	Gasoline Service Stations
	1983	LIHUE SUPER SERVICE	Gasoline Service Stations
	1985	LIHUE SUPER SERVICE	Gasoline Service Stations
	1986	LIHUE SUPER SERVICE	Gasoline Service Stations
	1987	LIHUE SUPER SERVICE	Gasoline Service Stations
	1988	LIHUE SUPER SERVICE	Gasoline Service Stations
	1989	LIHUE SUPER SERVICE	Gasoline Service Stations
	1990	LIHUE SUPER SERVICE	Gasoline Service Stations
	1991	LIHUE SUPER SERVICE	Gasoline Service Stations
	1992	LIHUE SUPER SERVICE	Gasoline Service Stations
	1993	LIHUE SUPER SERVICE	Gasoline Service Stations
	1994	LIHUE SUPER SERVICE	Gasoline Service Stations
	1995	LIHUE SUPER SERVICE	Gasoline Service Stations
	1996	PARADISE SERVICE INC	Gasoline Service Stations
	1996	LIHUE SUPER SERVICE	Gasoline Service Stations
	1997	LIHUE SUPER SERVICE	Gasoline Service Stations
	1997	PARADISE SERVICE INC	Gasoline Service Stations
	1998	PARADISE SERVICE INC	Gasoline Service Stations
	1998	LIHUE SUPER SERVICE	Gasoline Service Stations
	1999	LIHUE SUPER SERVICE	Gasoline Service Stations
	2000	LIHUE SUPER SERVICE	Gasoline Service Stations
	2001	LIHUE SUPER SERVICE	Gasoline Service Stations
	2002	LIHUE SUPER SERVICE	Gasoline Service Stations

**A24**            **PARADISE SERVICE**  
**West**         **3155 JULIO HWY**  
**< 1/8**         **LIHUE, HI 96766**  
**0.011 mi.**  
**56 ft.**         **Site 17 of 17 in cluster A**

**EDR Hist Auto**    **1020673160**  
**N/A**

**Relative:**        EDR Hist Auto  
**Lower**

Actual: 205 ft.	Year:	Name:	Type:
	2005	PARADISE SERVICE	Gasoline Service Stations
	2006	PARADISE SERVICE	Gasoline Service Stations
	2007	PARADISE SERVICE	Gasoline Service Stations
	2008	PARADISE SERVICE	Gasoline Service Stations
	2009	PARADISE SERVICE	Gasoline Service Stations
	2010	PARADISE SERVICE	Gasoline Service Stations
	2011	PARADISE SERVICE	Gasoline Service Stations
	2012	PARADISE SERVICE	Gasoline Service Stations
	2013	PARADISE SERVICE	Gasoline Service Stations
	2014	PARADISE SERVICE	Gasoline Service Stations

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D25**  
**South**  
**< 1/8**  
**0.012 mi.**  
**63 ft.**  
**HALE PUMEHANA, INC**  
**3083 AKAHI ST**  
**LIHUE, HI 96766**  
**Site 2 of 2 in cluster D**

**HI UST**    **U001237359**  
**N/A**

**Relative:**    UST:  
**Lower**        Facility ID:                    9-702608  
                   Owner:                         HALE PUMEHANA, INC  
**Actual:**       Owner Address:               3083 AKAHI ST  
**209 ft.**        Owner City,St,Zip:         Lihue, 96766 96766  
                   Latitude:                      Not reported  
                   Longitude:                    Not reported  
                   Horizontal Reference Datum Name:    Not reported  
                   Horizontal Collection Method Name:   Not reported

                  Tank ID:                        1  
                   Date Installed:               11/25/1964  
                   **Tank Status:**               **Permanently Out of Use**  
                   Date Closed:                 Not reported  
                   Tank Capacity:               500  
                   Substance:                    Diesel

**C26**  
**East**  
**< 1/8**  
**0.045 mi.**  
**237 ft.**  
**TIP TOP CAFE & BAKERY, INC.**  
**3173 AKAHI ST**  
**LIHUE, HI 96766**  
**Site 5 of 5 in cluster C**

**HI UST**    **U001237291**  
**N/A**

**Relative:**    UST:  
**Higher**        Facility ID:                    9-701293  
                   Owner:                         TIP TOP CAFE & BAKERY, INC.  
**Actual:**       Owner Address:               3173 AKAHI ST  
**214 ft.**        Owner City,St,Zip:         Lihue, 96766 96766  
                   Latitude:                      Not reported  
                   Longitude:                    Not reported  
                   Horizontal Reference Datum Name:    Not reported  
                   Horizontal Collection Method Name:   Not reported

                  Tank ID:                        R-1  
                   Date Installed:               05/17/1965  
                   **Tank Status:**               **Permanently Out of Use**  
                   Date Closed:                 06/01/1991  
                   Tank Capacity:               500  
                   Substance:                    Gasoline

                  Tank ID:                        R-2  
                   Date Installed:               05/17/1965  
                   **Tank Status:**               **Permanently Out of Use**  
                   Date Closed:                 02/01/1992  
                   Tank Capacity:               1000  
                   Substance:                    Diesel



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOLLAR RENT-A-CAR (Continued)**

**U001237227**

**Tank Status:** Permanently Out of Use  
Date Closed: 03/30/1992  
Tank Capacity: 5000  
Substance: Gasoline

Tank ID: R-2  
Date Installed: 05/05/1961  
**Tank Status:** Permanently Out of Use  
Date Closed: 03/30/1992  
Tank Capacity: 5000  
Substance: Gasoline

Tank ID: R-3  
Date Installed: 05/05/1961  
**Tank Status:** Permanently Out of Use  
Date Closed: 03/30/1992  
Tank Capacity: 6000  
Substance: Gasoline

**F30**  
**SSW**  
**< 1/8**  
**0.074 mi.**  
**392 ft.**

**COUNTY OF KAUAI WAIMEA WWTP**  
**9273 G KAUMUALII HWY**  
**LIHUE, HI 96766**

**HI LUST U003541959**  
**HI UST N/A**

**Site 1 of 4 in cluster F**

**Relative:**  
**Higher**  
**Actual:**  
**210 ft.**

**LUST:**  
Facility ID: 9-701082  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 12/13/1999  
Release ID: 990017  
Project Officer: Richard Takaba

**UST:**  
Facility ID: 9-701082  
Owner: KAUAI COUNTY - DEPT OF PUBLIC WORKS  
Owner Address: 444 RICE ST. , STE 275 MAIKEHA BLDG  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.975476  
Longitude: -159.369201  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: Address Matching

Tank ID: R-1  
Date Installed: 06/05/1976  
**Tank Status:** Permanently Out of Use  
Date Closed: 10/14/1998  
Tank Capacity: 1500  
Substance: Diesel

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>F31</b> <b>South</b> <b>&lt; 1/8</b> <b>0.106 mi.</b> <b>560 ft.</b>	<b>LIHUE OFFICE</b> <b>4444 RICE ST</b> <b>LIHUE, HI 96766</b>  <b>Site 2 of 4 in cluster F</b>	<b>HI SHWS</b> <b>HI SPILLS</b>	<b>S106818769</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>209 ft.</b>	<b>SHWS:</b> Organization: Not reported Supplemental Location: Not reported Island: Kauai Environmental Interest: GTE-Hawaiian Tel HID Number: Not reported Facility Registry Identifier: 110010037548 Lead Agency: EPA Program: State Project Manager: Unassigned Hazard Priority: NFA Potential Hazards And Controls: Hazard Undetermined Island: Kauai SDAR Environmental Interest Name: GTE-Hawaiian Tel HID Number: Not reported Facility Registry Identifier: 110010037548 Lead Agency: EPA Potential Hazard And Controls: Hazard Undetermined Priority: NFA Assessment: Response Necessary Response: Response Complete Nature of Contamination: Not reported Nature of Residual Contamination: Not reported Use Restrictions: Undetermined Engineering Control: Not reported Description of Restrictions: Not reported Institutional Control: Not reported Within Designated Areawide Contamination: Not reported Site Closure Type: No Further Action - Type Undetermined Document Date: 03/03/1999 Document Number: Not reported Document Subject: Not reported Project Manager: Unassigned Contact Information: (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782	
--	--	--

<b>SPILLS:</b>	Name: LIHUE OFFICE Address: 4444 RICE ST Address 2: Not reported City,State,Zip: LIHUE, HI 96766 Island: Kauai Supplemental Loc. Text: Not reported Case Number: 19971107-0000 Facility Registry ID: 110010037548 HID Number: Not reported Lead and Program: HEER EP&R ER: Not reported Less Or Greater Than: Not reported Units: GTE Lihue Central Office 2 Activity Type: Response Activity Lead: Curtis Martin Assignment End Date: 2017-01-31 00:00:00 Result: Closed Incomplete Documentation
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIHUE OFFICE (Continued)

S106818769

File Under: Verizon Hawaii  
Substances: Not reported  
Quantity: Not reported  
Units: Not reported  
Reported Date: Not reported  
Release Date: Not reported  
Release Duration: Not reported  
Media: Not reported  
Waterbody: Not reported  
Summary: Not reported  
Is Noteworthy for Reports: Not reported  
Is the Release a Fugitive Dumping: Not reported  
Tax Map Key: Not reported  
Assigned SOSC: Not reported  
Notified Agencies: Not reported  
Response Measures Taken: Not reported  
Incident Report Number: Not reported  
Coordination Needed: Not reported  
Tier II Facility: Not reported  
RMP: Not reported  
Follow-up Received On: Not reported  
Cost Recovery: Not reported  
Invoice To: Not reported  
Closed Date: Not reported  
Comments: Not reported  
Latitude: 21.976037000000002  
Longitude: -159.369733

Name: LIHUE OFFICE  
Address: 4444 RICE ST  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 96766  
Island: Kauai  
Supplemental Loc. Text: Not reported  
Case Number: 19971107-0000  
Facility Registry ID: 110010037548  
HID Number: Not reported  
Lead and Program: HEER EP&R  
ER: Not reported  
Less Or Greater Than: Not reported  
Units: GTE Lihue Central Office 2  
Activity Type: Response  
Activity Lead: Curtis Martin  
Assignment End Date: 2017-01-31 00:00:00  
Result: Closed Incomplete Documentation  
File Under: Verizon Hawaii  
Substances: Not reported  
Quantity: Not reported  
Units: Not reported  
Reported Date: Not reported  
Release Date: Not reported  
Release Duration: Not reported  
Media: Not reported  
Waterbody: Not reported  
Summary: Not reported  
Is Noteworthy for Reports: Not reported  
Is the Release a Fugitive Dumping: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE OFFICE (Continued)**

**S106818769**

Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.997447000000001
Longitude:	-159.41543899999999
Name:	LIHUE OFFICE
Address:	4444 RICE ST
Address 2:	Not reported
City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not reported
Case Number:	19971119-1551
Facility Registry ID:	110010037548
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	GTE Lihue Central Office
Activity Type:	Response
Activity Lead:	Terry Corpus
Assignment End Date:	2017-01-31 00:00:00
Result:	Closed Incomplete Documentation
File Under:	Verizon Hawaii
Substances:	Gasoline, Unleaded
Quantity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE OFFICE (Continued)**

**S106818769**

Comments:	Not reported
Latitude:	21.976037000000002
Longitude:	-159.369733
Name:	LIHUE OFFICE
Address:	4444 RICE ST
Address 2:	Not reported
City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not reported
Case Number:	19971119-1551
Facility Registry ID:	110010037548
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	GTE Lihue Central Office
Activity Type:	Response
Activity Lead:	Terry Corpus
Assignment End Date:	2017-01-31 00:00:00
Result:	Closed Incomplete Documentation
File Under:	Verizon Hawaii
Substances:	Gasoline, Unleaded
Quantity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSOC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.997447000000001
Longitude:	-159.41543899999999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

F32  
South  
< 1/8  
0.106 mi.  
560 ft.

LIHUE CENTRAL OFFICE  
4444 RICE ST  
LIHUE, HI 96766  
Site 3 of 4 in cluster F

HI LUST  
HI UST  
HI Financial Assurance  
U003222418  
N/A

Relative:  
Lower  
Actual:  
209 ft.

LUST:  
Facility ID: 9-700610  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 05/25/1995  
Release ID: 940098  
Project Officer: Roger Brewer  
  
Facility ID: 9-703437  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 04/10/2002  
Release ID: 990191  
Project Officer: Jose Ruiz  
  
Facility ID: 9-703437  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 04/10/2002  
Release ID: 990044  
Project Officer: Jose Ruiz

UST:  
Facility ID: 9-700610  
Owner: Hawaiian Telcom  
Owner Address: 1177 Bishop Street, Suite 20  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.97608  
Longitude: -159.36983000000001  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: GPS

Tank ID: M-2  
Date Installed: 10/01/1993  
Tank Status: **Currently In Use**  
Date Closed: Not reported  
Tank Capacity: 600  
Substance: Diesel

Tank ID: R-1  
Date Installed: 06/01/1974  
Tank Status: **Permanently Out of Use**  
Date Closed: 10/27/1998  
Tank Capacity: 1000  
Substance: Diesel

Tank ID: R-2  
Date Installed: 06/01/1974  
Tank Status: **Permanently Out of Use**  
Date Closed: 10/29/1998  
Tank Capacity: 1000  
Substance: Diesel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIHUE CENTRAL OFFICE (Continued)

U003222418

Tank ID: R-M-1  
Date Installed: 05/07/1970  
**Tank Status: Permanently Out of Use**  
Date Closed: 09/16/1993  
Tank Capacity: 550  
Substance: Diesel

HI Financial Assurance:

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610  
Tank Id: M-2  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610  
Tank Id: R-M-1  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610  
Tank Id: M-2  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 05/02/2015

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610  
Tank Id: R-M-1  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 05/02/2015

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610  
Tank Id: R-M-1  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: 05/02/2020

Name: LIHUE CENTRAL OFFICE  
Address: 4444 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700610

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE CENTRAL OFFICE (Continued)**

**U003222418**

Tank Id: M-2  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 05/02/2020

**G33**  
**South**  
**< 1/8**  
**0.110 mi.**  
**581 ft.**

**LIHUE STATE OFFICE BUILDING**

**HI LUST U001237349**  
**HI UST N/A**

**TMK: 3-6-05:11**  
**LIHUE, HI 96766**

**Site 1 of 5 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**209 ft.**

**LUST:**  
Facility ID: 9-702463  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 05/01/1992  
Release ID: 940021  
Project Officer: Raymond Seid

**UST:**  
Facility ID: 9-702463  
Owner: STATE DAGS  
Owner Address: 3069 UMI ST  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.975981999999998  
Longitude: -159.36688100000001  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: Address Matching

Tank ID: R-1  
Date Installed: Not reported  
**Tank Status: Permanently Out of Use**  
Date Closed: 10/21/1991  
Tank Capacity: 3000  
Substance: Gasoline

**E34**  
**East**  
**< 1/8**  
**0.112 mi.**  
**594 ft.**

**RESIDENCE OF K. & F. SASAKI**

**HI UST U001237231**  
**N/A**

**3175 ELUA ST**  
**LIHUE, HI 96766**

**Site 2 of 2 in cluster E**

**Relative:**  
**Higher**  
**Actual:**  
**214 ft.**

**UST:**  
Facility ID: 9-700630  
Owner: SASAKI HONTEN  
Owner Address: (A GENERAL PARTNERSHIP) / 3088 B AKAHI ST. SUITE 201  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: Not reported  
Longitude: Not reported  
Horizontal Reference Datum Name: Not reported  
Horizontal Collection Method Name: Not reported

Tank ID: 001  
Date Installed: 02/25/1946  
**Tank Status: Permanently Out of Use**  
Date Closed: Not reported  
Tank Capacity: 550

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RESIDENCE OF K. & F. SASAKI (Continued)

U001237231

Substance: Gasoline

F35  
SSW  
< 1/8  
0.113 mi.  
595 ft.

UNITED AGRI PRODUCTS HAWAII KAUAI  
2973 KELE ST  
LIHUE, HI 96766

RCRA NonGen / NLR  
FINDS  
ECHO

1000399499  
HIT000619189

Site 4 of 4 in cluster F

Relative:  
Lower  
Actual:  
209 ft.

RCRA NonGen / NLR:  
Date form received by agency: 1980-08-18 00:00:00.0  
Facility name: UNITED AGRI PRODUCTS HAWAII KAUAI  
Facility address: 2973 KELE ST  
LIHUE, HI 96766  
EPA ID: HIT000619189  
Mailing address: PO BOX 128  
LIHUE KAUAI, HI 96766  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 2973 KELE ST  
LIHUE KAUAI, HI 96766  
Contact country: US  
Contact telephone: 209-858-2511  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**UNITED AGRI PRODUCTS HAWAII KAUAI (Continued)**

**1000399499**

Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**FINDS:**

Registry ID: 110006400180  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110006400180](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006400180)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000399499  
 Registry ID: 110006400180  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006400180>  
 Name: UNITED AGRI PRODUCTS HAWAII KAUAI  
 Address: 2973 KELE ST  
 City,State,Zip: LIHUE, HI 96766

**G36**  
**South**  
**< 1/8**  
**0.123 mi.**  
**648 ft.**

**UP TO DATE CLEANERS KAUAI INC**  
**4447 RICE ST**  
**LIHUE, HI 96766**  
**Site 2 of 5 in cluster G**

**EDR Hist Cleaner 1018502489**  
**N/A**

**Relative:**  
**Lower**

EDR Hist Cleaner

**Actual:**  
**208 ft.**

Year:	Name:	Type:
2002	UP TO DATE CLEANERS KAUAI INC	Garment Pressing And Cleaners' Agents
2003	UP TO DATE CLEANERS KAUAI INC	Garment Pressing And Cleaners' Agents
2004	UP TO DATE CLEANERS KAUAI INC	Garment Pressing And Cleaners' Agents
2005	UP TO DATE CLEANERS KAUAI INC	Garment Pressing And Cleaners' Agents



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

37  
NNE  
< 1/8  
0.124 mi.  
656 ft.

**WALMART #2308**  
**3-3300 KUHIO HWY**  
**LIHUE, HI 96766**

**RCRA-VSQG 1004688937**  
**HIR000000174**

**Relative:**  
**Higher**

RCRA-VSQG:

**Actual:**  
**219 ft.**

Date form received by agency: 2018-12-07 00:00:00  
Facility name: WALMART #2308  
Facility address: 3-3300 KUHIO HWY  
LIHUE, HI 96766  
EPA ID: HIR000000174  
Mailing address: P.O. BOX 8041  
BENTONVILLE, AR 72712-8041  
Contact: ROSE ARNOLD  
Contact address: P.O. BOX 8041  
BENTONVILLE, AR 72712-8041  
Contact country: US  
Contact telephone: 479-277-8972  
Contact email: ROSE.ARNOLD@WALMART.COM  
EPA Region: 09  
Land type: Private  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: WALMART INC.  
Owner/operator address: P.O. BOX 8041  
BENTONVILLE, AR 72712  
Owner/operator country: US  
Owner/operator telephone: 479-277-8972  
Owner/operator email: ROSE.ARNOLD@WALMART.COM  
Owner/operator fax: 479-204-9675  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 1995-08-01 00:00:00.  
Owner/Op end date: Not reported  
  
Owner/operator name: WALMART INC.  
Owner/operator address: P.O. BOX 8041  
BENTONVILLE, AR 72712  
Owner/operator country: US  
Owner/operator telephone: 479-277-8972  
Owner/operator email: ROSE.ARNOLD@WALMART.COM  
Owner/operator fax: 479-204-9675

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALMART #2308 (Continued)**

**1004688937**

Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 1995-08-01 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 2016-05-27 00:00:00.0  
Site name: WALMART #2308  
Classification: Small Quantity Generator

Date form received by agency: 2014-08-26 00:00:00.0  
Site name: WALMART #2308  
Classification: Small Quantity Generator

Date form received by agency: 2014-02-20 00:00:00.0  
Site name: WALMART #2308  
Classification: Small Quantity Generator

Date form received by agency: 2013-12-20 00:00:00.0  
Site name: WALMART NO 2308  
Classification: Small Quantity Generator

Date form received by agency: 2013-10-17 00:00:00.0  
Site name: WALMART NO 2308  
Classification: Large Quantity Generator

Date form received by agency: 2010-10-25 00:00:00.0  
Site name: WALMART NO 2308  
Classification: Small Quantity Generator

Date form received by agency: 2009-12-28 00:00:00.0  
Site name: WALMART NO 2308  
Classification: Small Quantity Generator

Date form received by agency: 2008-11-28 00:00:00.0  
Site name: WAL M ART STORE NO 2308  
Classification: Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALMART #2308 (Continued)**

**1004688937**

Date form received by agency: 1999-03-08 00:00:00.0  
Site name: WAL MART NO 2308  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D022
- . Waste name: CHLOROFORM
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALMART #2308 (Continued)**

**1004688937**

. Waste code: D027  
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D030  
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D035  
. Waste name: METHYL ETHYL KETONE

. Waste code: D039  
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040  
. Waste name: TRICHLORETHYLENE

. Waste code: D043  
. Waste name: VINYL CHLORIDE

. Waste code: P001  
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046  
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

. Waste code: P075  
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U002  
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034  
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035  
. Waste name: BENZENE BUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044  
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058  
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U072  
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U080  
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U089  
. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WALMART #2308 (Continued)**

**1004688937**

. Waste code: U112  
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U122  
. Waste name: FORMALDEHYDE

. Waste code: U129  
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U132  
. Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

. Waste code: U134  
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U150  
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U154  
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159  
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U165  
. Waste name: NAPHTHALENE

. Waste code: U182  
. Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

. Waste code: U188  
. Waste name: PHENOL

. Waste code: U200  
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201  
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U205  
. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

. Waste code: U210  
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U249  
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

. Waste code: U279  
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U409  
. Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WALMART #2308 (Continued)**

**1004688937**

. Waste code: U411  
 . Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Violation Status: No violations found

**G38**  
**South**  
**1/8-1/4**  
**0.137 mi.**  
**722 ft.**

**COUNTY OF KAUAI LIHUE TREATMENT PLANT**

**HI LUST U003222441**  
**HI UST N/A**

**4396 RICE ST**  
**LIHUE, HI 96766**

**Site 3 of 5 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**209 ft.**

**LUST:**  
 Facility ID: 9-703308  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 12/02/1999  
 Release ID: 990023  
 Project Officer: David Hodges

Facility ID: 9-701077  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 03/23/1998  
 Release ID: 950093  
 Project Officer: Eric Sadoyama

**UST:**  
 Facility ID: 9-701077  
 Owner: KAUAI COUNTY - DEPT OF PUBLIC WORKS  
 Owner Address: 444 RICE ST. , STE 275 MAIKEHA BLDG  
 Owner City,St,Zip: Lihue, 96766 96766  
 Latitude: 21.974881  
 Longitude: -159.36768599999999  
 Horizontal Reference Datum Name: NAD83  
 Horizontal Collection Method Name: Address Matching

Tank ID: R-138028  
 Date Installed: 06/06/1984  
**Tank Status: Permanently Out of Use**  
 Date Closed: 05/09/1995  
 Tank Capacity: 550  
 Substance: Diesel

Tank ID: R-56200  
 Date Installed: 06/06/1980  
**Tank Status: Permanently Out of Use**  
 Date Closed: 05/09/1995  
 Tank Capacity: 2000  
 Substance: Diesel

Tank ID: R-G-081169  
 Date Installed: 06/05/1974  
**Tank Status: Permanently Out of Use**  
 Date Closed: 10/22/1998  
 Tank Capacity: 3000  
 Substance: Diesel

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**G39**  
**South**  
**1/8-1/4**  
**0.150 mi.**  
**791 ft.**

**RICE STREET CHEVRON**  
**4411 RICE ST**  
**LIHUE, HI 96766**  
  
**Site 4 of 5 in cluster G**

**HI LUST**    **U003222444**  
**HI UST**    **N/A**  
**HI Financial Assurance**

**Relative:**  
**Lower**  
  
**Actual:**  
**203 ft.**

**LUST:**  
Facility ID: 9-701132  
Facility Status: LUST Cleanup Initiated  
Facility Status Date: 06/24/2013  
Release ID: 130005  
Project Officer: Allison Hutto

**UST:**  
Facility ID: 9-701132  
Owner: Lahiana Petroleum, LLC  
Owner Address: P.O. Box 1096  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.974299999999999  
Longitude: -159.36823000000001  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: GPS

Tank ID: 1  
Date Installed: 04/28/1985  
**Tank Status: Currently In Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 2  
Date Installed: 04/28/1985  
**Tank Status: Currently In Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 3  
Date Installed: 04/28/1985  
**Tank Status: Currently In Use**  
Date Closed: Not reported  
Tank Capacity: 10000  
Substance: Gasohol

**HI Financial Assurance:**  
Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 2  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICE STREET CHEVRON (Continued)**

**U003222444**

City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 3  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 1  
Tank Status: Currently In Use  
FRTYPE: Other  
Expiration Date: Not reported

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 3  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2014

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 1  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2014

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 2  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2014

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 1  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2019

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 3



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICE STREET CHEVRON (Continued)**

**U003222444**

Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2019

Name: RICE STREET CHEVRON  
Address: 4411 RICE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701132  
Tank Id: 2  
Tank Status: Currently In Use  
FRTYPE: Insurance  
Expiration Date: 09/13/2019

**G40**  
**South**  
**1/8-1/4**  
**0.150 mi.**  
**791 ft.**

**RICE STREET CHEVRON**  
**4411 RICE STREET**  
**LIHUE, HI 96766**

**RCRA-VSQQ 1016675625**  
**HIR000142216**

**Site 5 of 5 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**203 ft.**

RCRA-VSQQ:  
Date form received by agency: 2014-03-31 00:00:00.0  
Facility name: RICE STREET CHEVRON  
Facility address: 4411 RICE STREET  
LIHUE, HI 96766  
EPA ID: HIR000142216  
Mailing address: P.O. BOX 1096  
CARMICHAEL, CA 95609  
Contact: DESCOE CHENTNIK  
Contact address: HANA HWY  
PAIA, HI 96779  
Contact country: US  
Contact telephone: 808-446-6949  
Contact email: TDESCOE@HOTMAIL.COM  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:  
Owner/operator name: LAHAINA PETROLEUM, LLC  
Owner/operator address: P.O. BOX 1096  
CARMICHAEL, CA 95609  
Owner/operator country: US  
Owner/operator telephone: 916-488-3666  
Owner/operator email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RICE STREET CHEVRON (Continued)**

**1016675625**

Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 2005-01-25 00:00:00.  
Owner/Op end date: Not reported  
  
Owner/operator name: LAHAINA PETROLEUM, LLC  
Owner/operator address: P.O. BOX 1096  
CARMICHAEL, CA 95609  
  
Owner/operator country: US  
Owner/operator telephone: 916-488-3666  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 2004-03-22 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D018  
. Waste name: BENZENE  
  
Violation Status: No violations found

H41  
SSE  
1/8-1/4  
0.158 mi.  
833 ft.

**VECTOR CONTROL BRANCH**  
**3040 UMI ST**  
**LIHUE, HI 96766**  
**Site 1 of 2 in cluster H**

RCRA NonGen / NLR 1000417826  
FINDS HID000628388  
ECHO

Relative:  
Lower  
Actual:  
208 ft.

RCRA NonGen / NLR:  
Date form received by agency: 1980-09-24 00:00:00.0  
Facility name: VECTOR CONTROL BRANCH  
Facility address: 3040 UMI ST  
LIHUE, HI 96766

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VECTOR CONTROL BRANCH (Continued)**

**1000417826**

EPA ID: HID000628388  
Mailing address: 2611 KILIAU STREET  
HONOLULU, HI 96819  
Contact: ENVIRONMENTAL MANAGER  
Contact address: 3040 UMI ST  
LIHUE KAUAI, HI 96766  
Contact country: US  
Contact telephone: 808-548-8484  
Contact email: Not reported  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VECTOR CONTROL BRANCH (Continued)**

**1000417826**

Violation Status: No violations found

**FINDS:**

Registry ID: 110006399780  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110006399780](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110006399780)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000417826  
Registry ID: 110006399780  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110006399780>  
Name: VECTOR CONTROL BRANCH  
Address: 3040 UMI ST  
City,State,Zip: LIHUE, HI 96766

**H42**  
**SSE**  
**1/8-1/4**  
**0.167 mi.**  
**884 ft.**

**LIHUE POLICE STATION**  
**3060 UMI ST**  
**LIHUE, HI 96766**  
**Site 2 of 2 in cluster H**

**HI LUST** **U003403009**  
**HI UST** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**208 ft.**

**LUST:**  
Facility ID: 9-701067  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 09/07/1999  
Release ID: 990070  
Project Officer: Jeffrey Ung

**UST:**

Facility ID: 9-701067  
Owner: KAUAI COUNTY - DEPT OF PUBLIC WORKS  
Owner Address: 444 RICE ST. , STE 275 MAIKEHA BLDG  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.975285  
Longitude: -159.366095  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: Address Matching

Tank ID: R-1  
Date Installed: 05/08/1975  
**Tank Status: Permanently Out of Use**  
Date Closed: 11/12/1998  
Tank Capacity: 5000  
Substance: Gasoline

Tank ID: R-2  
Date Installed: 05/07/1953

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE POLICE STATION (Continued)**

**U003403009**

**Tank Status:** Permanently Out of Use  
Date Closed: 11/12/1998  
Tank Capacity: 1000  
Substance: Gasoline

**I43**  
**South**  
**1/8-1/4**  
**0.177 mi.**  
**933 ft.**

**KAUAI SUGAR STORAGE CO.**  
**2970 KELE STREET**  
**LIHUE, HI 96766**

**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**

**1000424559**  
**HID009145632**

**Site 1 of 2 in cluster I**

**Relative:**  
**Lower**  
**Actual:**  
**187 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 1986-01-31 00:00:00.0  
Facility name: LIHUE PLANTATION CO LTD THE  
Facility address: 2970 KELE ST  
LIHUE, HI 96766  
EPA ID: HID009145632  
Mailing address: PO BOX 751  
LIHUE, HI 96766  
Contact: LYLE TABATA  
Contact address: 2970 KELE ST  
LIHUE, HI 96766  
Contact country: US  
Contact telephone: 808-245-7325  
Contact email: Not reported  
EPA Region: 09  
Land type: Other land type  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: THE LIHUE PLANTATION CO LTD  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999  
Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, ME 99999

Owner/operator country: Not reported  
Owner/operator telephone: 415-555-1212  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAUAI SUGAR STORAGE CO. (Continued)**

**1000424559**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Facility Has Received Notices of Violations:

Regulation violated: S - 262.10-12.A  
Area of violation: Generators - General  
Date violation determined: 2000-02-25 00:00:00.0  
Date achieved compliance: 2000-08-22 00:00:00.0  
Violation lead agency: State  
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Enforcement action date: 2000-02-25 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: S - 279.20-24  
Area of violation: Used Oil - Generators  
Date violation determined: 2000-02-25 00:00:00.0  
Date achieved compliance: 2000-08-22 00:00:00.0  
Violation lead agency: State  
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Enforcement action date: 2000-02-25 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 1999-04-08 00:00:00.0  
Evaluation: WRITTEN INFORMAL  
Area of violation: Used Oil - Generators  
Date achieved compliance: 2000-08-22 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1999-04-08 00:00:00.0  
Evaluation: WRITTEN INFORMAL  
Area of violation: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAUAI SUGAR STORAGE CO. (Continued)**

**1000424559**

Date achieved compliance: 2000-08-22 00:00:00.0  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110056349009  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110056349009](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110056349009)

**Environmental Interest/Information System:**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**ECHO:**

Envid: 1000424559  
Registry ID: 110056349009  
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110056349009>  
Name: KAUAI SUGAR STORAGE CO.  
Address: 2970 KELE STREET  
City,State,Zip: LIHUE, HI 96766

**I44**  
**South**  
**1/8-1/4**  
**0.177 mi.**  
**933 ft.**

**LIHUE PLANTATION COMPANY, LTD.**  
**2970 KELE STREET**  
**LIHUE, HI 96766**

**SEMS-ARCHIVE 1003073285**  
**HIN000905691**

**Site 2 of 2 in cluster I**

**Relative:**  
**Lower**  
**Actual:**  
**187 ft.**

SEMS Archive:  
Site ID: 0905691  
EPA ID: HIN000905691  
Name: LIHUE PLANTATION COMPANY, LTD.  
Address: 2970 KELE STREET  
Address 2: Not reported  
City,State,Zip: LIHUE, HI 96766  
Cong District: Not reported  
FIPS Code: 15007  
FF: N  
NPL: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**SEMS Archive Detail:**

Region: 09  
Site ID: 0905691  
EPA ID: HIN000905691  
Site Name: LIHUE PLANTATION COMPANY, LTD.  
NPL: N  
FF: N  
OU: 00  
Action Code: VS  
Action Name: ARCH SITE  
SEQ: 1  
Start Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE PLANTATION COMPANY, LTD. (Continued)**

**1003073285**

Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0905691
EPA ID:	HIN000905691
Site Name:	LIHUE PLANTATION COMPANY, LTD.
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2000-10-24 04:00:00
Finish Date:	2000-10-24 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905691
EPA ID:	HIN000905691
Site Name:	LIHUE PLANTATION COMPANY, LTD.
NPL:	N
FF:	N
OU:	00
Action Code:	NX
Action Name:	COMB PA/SI
SEQ:	1
Start Date:	Not reported
Finish Date:	2006-10-30 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0905691
EPA ID:	HIN000905691
Site Name:	LIHUE PLANTATION COMPANY, LTD.
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	Not reported
Finish Date:	2012-05-04 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0905691
EPA ID:	HIN000905691
Site Name:	LIHUE PLANTATION COMPANY, LTD.
NPL:	N
FF:	N
OU:	00
Action Code:	HX



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION COMPANY, LTD. (Continued)**

**1003073285**

Action Name: PRE-CERC  
 SEQ: 1  
 Start Date: Not reported  
 Finish Date: 2000-10-24 04:00:00  
 Qual: Not reported  
 Current Action Lead: St Perf

**45**  
**South**  
**1/8-1/4**  
**0.193 mi.**  
**1017 ft.**

**JACK WADA ELECTRIC, INC**  
**2981 UMI ST**  
**LIHUE, HI 96766**

**HI LUST U003711787**  
**HI UST N/A**

**Relative:**  
**Lower**  
**Actual:**  
**204 ft.**

**LUST:**  
 Facility ID: 9-703523  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 01/31/2000  
 Release ID: 990190  
 Project Officer: Jeffrey Ung

**UST:**  
 Facility ID: 9-703523  
 Owner: JACK WADA ELECTIC, INC  
 Owner Address: 2981 UMI STREET  
 Owner City,St,Zip: Lihue, 96766 96766  
 Latitude: 21.973744  
 Longitude: -159.367864  
 Horizontal Reference Datum Name: NAD83  
 Horizontal Collection Method Name: Address Matching

Tank ID: R-1  
 Date Installed: Not reported  
**Tank Status: Permanently Out of Use**  
 Date Closed: 04/28/1999  
 Tank Capacity: 1000  
 Substance: Gasoline

**J46**  
**SSW**  
**1/8-1/4**  
**0.219 mi.**  
**1156 ft.**

**LIHUE PLANTATION CO, LTD**  
**2940 HALEKO RD**  
**LIHUE, HI 96766**  
**Site 1 of 4 in cluster J**

**HI SHWS S121406169**  
**HI BROWNFIELDS N/A**

**Relative:**  
**Lower**  
**Actual:**  
**146 ft.**

**SHWS:**  
 Organization: Not reported  
 Supplemental Location: Not reported  
 Island: Kauai  
 Environmental Interest: Lihue Plantation Combined Sites  
 HID Number: Not reported  
 Facility Registry Identifier: 110001322809  
 Lead Agency: HEER  
 Program: Brownfields  
 Project Manager: Melody Calisay  
 Hazard Priority: Medium  
 Potential Hazards And Controls: Hazard Present

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION CO, LTD (Continued)**

**S121406169**

Island:	Kauai
SDAR Environmental Interest Name:	Lihue Plantation Combined Sites
HID Number:	Not reported
Facility Registry Identifier:	110001322809
Lead Agency:	HEER
Potential Hazard And Controls:	Hazard Present
Priority:	Medium
Assessment:	Response Necessary
Response:	Response Ongoing
Nature of Contamination:	Found: Arsenic and dioxins above cleanup levels were detected in soil at the mill, the shop, and the former herbicide mixing plant.
Nature of Residual Contamination:	Not reported
Use Restrictions:	Controls Required to Manage Contamination
Engineering Control:	Not reported
Description of Restrictions:	Zoning under assessment
Institutional Control:	Not reported
Within Designated Areawide Contamination:	Not reported
Site Closure Type:	Not reported
Document Date:	Not reported
Document Number:	Not reported
Document Subject:	Not reported
Project Manager:	Melody Calisay
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**BROWNFIELDS:**

Program:	Brownfields
Supplemental Location:	Not reported
Island:	Kauai
Zip Suffix:	Not reported

**J47**  
**SSW**  
**1/8-1/4**  
**0.219 mi.**  
**1156 ft.**

**LIHUE PLANTATION CO, LTD - LIHUE SUGAR MILL AND PO**  
**2940 HALEKO RD**  
**LIHUE, HI 96766**  
**Site 2 of 4 in cluster J**

**HI SHWS** **S121406168**  
**HI BROWNFIELDS** **N/A**

**Relative:**  
**Lower**  
**Actual:**  
**146 ft.**

<b>SHWS:</b>	
Organization:	Not reported
Supplemental Location:	Not reported
Island:	Kauai
Environmental Interest:	Lihue Sugar Mill and Power Plant
HID Number:	HIN000905691
Facility Registry Identifier:	110002148667
Lead Agency:	HEER
Program:	Brownfields
Project Manager:	Melody Calisay
Hazard Priority:	Medium
Potential Hazards And Controls:	Hazard Undetermined
Island:	Kauai
SDAR Environmental Interest Name:	Lihue Sugar Mill and Power Plant
HID Number:	HIN000905691
Facility Registry Identifier:	110002148667
Lead Agency:	HEER
Potential Hazard And Controls:	Hazard Undetermined
Priority:	Medium
Assessment:	Assessment Ongoing
Response:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION CO, LTD - LIHUE SUGAR MILL AND POWER PLANT (Continued)**

**S121406168**

Nature of Contamination:	Found: Arsenic and dioxins above cleanup levels were detected in soil at the mill, the shop, and the former herbicide mixing plant.
Nature of Residual Contamination:	Not reported
Use Restrictions:	Undetermined
Engineering Control:	Not reported
Description of Restrictions:	Not reported
Institutional Control:	Not reported
Within Designated Areawide Contamination:	Not reported
Site Closure Type:	Not reported
Document Date:	Not reported
Document Number:	Not reported
Document Subject:	Not reported
Project Manager:	Melody Calisay
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**BROWNFIELDS:**

Program:	Brownfields
Supplemental Location:	Not reported
Island:	Kauai
Zip Suffix:	Not reported

**J48**  
**SSW**  
**1/8-1/4**  
**0.219 mi.**  
**1156 ft.**

**LIHUE PLANTATION SUGAR MILL**  
**2940 HALEKO ROAD**  
**LIHUE, HI 96766**

**US BROWNFIELDS** **1010082400**  
**N/A**

**Site 3 of 4 in cluster J**

**Relative:**  
**Lower**  
**Actual:**  
**146 ft.**

**US BROWNFIELDS:**

Name:	LIHUE PLANTATION SUGAR MILL
Address:	2940 HALEKO ROAD
City,State,Zip:	LIHUE, HI 96766
Recipient Name:	Kauai County
Grant Type:	Assessment
Property Number:	TMK: 4-3-8-004:007
Parcel size:	11
Latitude:	21.97778
Longitude:	-159.375
HCM Label:	Address Matching-House Number
Map Scale:	2cm:1
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	-
Acres Property ID:	21181
IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1010082400**

Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	96913101
Start Date:	30-Nov-06
Ownership Entity:	Private
Completion Date:	30-Nov-06
Current Owner:	Pacific Funds, LLC
Did Owner Change:	Y
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	Y
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	Y
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1010082400**

Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	U
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Former Lihue Sugar Plantation Mill that contains the mill building, molasses tank, bagasse house, cooling tower, Quonset warehouse, carpenter shop, welding shop, electrical building, and above ground fuel tanks
Below Poverty Number:	252
Below Poverty Percent:	13.31
Meidan Income:	945
Meidan Income Number:	545
Meidan Income Percent:	28.79
Vacant Housing Number:	51
Vacant Housing Percent:	7.66
Unemployed Number:	17
Unemployed Percent:	0.9
Name:	LIHUE PLANTATION SUGAR MILL
Address:	2940 HALEKO ROAD
City,State,Zip:	LIHUE, HI 96766

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1010082400**

Recipient Name:	Kauai County
Grant Type:	Assessment
Property Number:	TMK: 4-3-8-004:007
Parcel size:	11
Latitude:	21.97778
Longitude:	-159.375
HCM Label:	Address Matching-House Number
Map Scale:	2cm:1
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	-
Acres Property ID:	21181
IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	20731.5
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96913101
Start Date:	30-Nov-06
Ownership Entity:	Private
Completion Date:	30-Nov-06
Current Owner:	Pacific Funds, LLC
Did Owner Change:	Y
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1010082400**

Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	Y
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	Y
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	U
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1010082400**

SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Former Lihue Sugar Plantation Mill that contains the mill building, molasses tank, bagasse house, cooling tower, Quonset warehouse, carpenter shop, welding shop, electrical building, and above ground fuel tanks
Below Poverty Number:	252
Below Poverty Percent:	13.31
Meidan Income:	945
Meidan Income Number:	545
Meidan Income Percent:	28.79
Vacant Housing Number:	51
Vacant Housing Percent:	7.66
Unemployed Number:	17
Unemployed Percent:	0.9

**J49**  
**SSW**  
**1/8-1/4**  
**0.219 mi.**  
**1156 ft.**

**LIHUE PLANTATION SUGAR MILL**  
**2940 HALEKO RD**  
**LIHUE, HI 96766**

**RCRA-SQG** **1014916455**  
**HIR000140467**

**Site 4 of 4 in cluster J**

**Relative:**  
**Lower**  
**Actual:**  
**146 ft.**

**RCRA-SQG:**  
 Date form received by agency: 2011-07-12 00:00:00.0  
 Facility name: LIHUE PLANTATION SUGAR MILL  
 Facility address: 2940 HALEKO RD  
 LIHUE, HI 96766  
 EPA ID: HIR000140467  
 Mailing address: LIHUE MS LLC C/O LYNN MCCRORY  
 3970 WYLLIE RD  
 PRINCEVILLE, HI 96722  
 Contact: LYNN P MCCRORY  
 Contact address: 3970 WYLLIE RD  
 PRINCEVILLE, HI 96722  
 Contact country: US  
 Contact telephone: 808-826-8163  
 Contact email: LMCCRORY@PAHIODEVELOPMENT.COM  
 EPA Region: 09  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**  
 Owner/operator name: LIHUE MS, LLC  
 Owner/operator address: 3970 WYLLIE RD  
 PRINCEVILLE, HI 96722  
 Owner/operator country: US



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1014916455**

Owner/operator telephone: 808-826-8163  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 2007-08-01 00:00:00.  
Owner/Op end date: Not reported

Owner/operator name: LIHUE MS, LLC  
Owner/operator address: 3970 WYLLIE RD  
PRINCEVILLE, HI 96722

Owner/operator country: US  
Owner/operator telephone: 808-826-8163  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 2007-08-01 00:00:00.  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Hazardous Waste Summary:**

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D004  
. Waste name: ARSENIC  
  
. Waste code: D006  
. Waste name: CADMIUM  
  
. Waste code: D007  
. Waste name: CHROMIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIHUE PLANTATION SUGAR MILL (Continued)**

**1014916455**

. Waste code: D009  
. Waste name: MERCURY  
  
. Waste code: D010  
. Waste name: SELENIUM  
  
. Waste code: D011  
. Waste name: SILVER  
  
. Waste code: D018  
. Waste name: BENZENE  
  
Violation Status: No violations found

**K50**  
**North**  
**1/4-1/2**  
**0.272 mi.**  
**1436 ft.**

**LIHUE PLANTATION CO. LTD.**  
**EHIKU ST (UNLOADING STATION)**  
**LIHUE, HI 96766**

**HI LUST U001237249**  
**HI UST N/A**

**Site 1 of 2 in cluster K**

**Relative:**  
**Higher**  
**Actual:**  
**222 ft.**

**LUST:**  
Facility ID: 9-700691  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 09/18/2001  
Release ID: 010040  
Project Officer: Shaobin Li

**UST:**  
Facility ID: 9-700691  
Owner: AMFAC SUGAR KAUAI  
Owner Address: 2970 KELE ST  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.973946999999999  
Longitude: -159.37251699999999  
Horizontal Reference Datum Name: Not reported  
Horizontal Collection Method Name: Not reported

Tank ID: R-001  
Date Installed: 04/22/1966  
**Tank Status: Permanently Out of Use**  
Date Closed: 12/14/1988  
Tank Capacity: 12500  
Substance: Diesel

Tank ID: R-2  
Date Installed: Not reported  
**Tank Status: Permanently Out of Use**  
Date Closed: 02/15/2001  
Tank Capacity: 5000  
Substance: Used Oil

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**K51**  
**North**  
**1/4-1/2**  
**0.312 mi.**  
**1650 ft.**

**ELIMA ROAD SOIL STOCK PILE**  
**3428 ELIMA RD**  
**LIHUE, HI 96766**

**HI SHWS** **S106816972**  
**HI SPILLS** **N/A**

**Site 2 of 2 in cluster K**

**Relative:**  
**Higher**

**Actual:**  
**223 ft.**

**SHWS:**

Organization:	Not reported
Supplemental Location:	Not reported
Island:	Kauai
Environmental Interest:	Elima Road Soil Stock Pile
HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Program:	State
Project Manager:	Clarence Callahan
Hazard Priority:	NFA
Potential Hazards And Controls:	No Hazard
Island:	Kauai
SDAR Environmental Interest Name:	Elima Road Soil Stock Pile
HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Potential Hazard And Controls:	No Hazard
Priority:	NFA
Assessment:	Response Necessary
Response:	Response Complete
Nature of Contamination:	Found: petroleum in soil from UST release
Nature of Residual Contamination:	Petroleum impacted soil
Use Restrictions:	No Hazard Present For Unrestricted Residential Use
Engineering Control:	Not reported
Description of Restrictions:	Not reported
Institutional Control:	Not reported
Within Designated Areawide Contamination:	Not reported
Site Closure Type:	No Further Action Letter - Unrestricted Residential Use
Document Date:	12/16/2003
Document Number:	2003-438-CAC
Document Subject:	NFA for an UST Closure and Release Response Report (Ref: Facility Release #20030422-1426)
Project Manager:	Clarence Callahan
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**SPILLS:**

Name:	ELIMA ROAD SOIL STOCK PILE
Address:	3428 ELIMA RD
Address 2:	Not reported
City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not reported
Case Number:	20030422-1426
Facility Registry ID:	Not reported
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	No
Less Or Greater Than:	Not reported
Units:	Elima Road Soil Stock Pile
Activity Type:	Response
Activity Lead:	Liz Galvez
Assignment End Date:	2003-04-22 00:00:00

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ELIMA ROAD SOIL STOCK PILE (Continued)**

**S106816972**

Result:	Refer to ISST
File Under:	Kent Watase
Substances:	Petroleum Hydrocarbon
Quantity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.986139999999999
Longitude:	-159.36692199999999

**52**  
**SW**  
**1/4-1/2**  
**0.452 mi.**  
**2384 ft.**

**KAUAI COUNTY LIHUE DPW BASE YARD**  
**2820 WEHE ST**  
**LIHUE, HI 96766**

**HI LUST**    **U003403010**  
**HI UST**     **N/A**  
**HI Financial Assurance**

**Relative:**  
**Higher**  
**Actual:**  
**226 ft.**

**LUST:**  
 Facility ID:            9-701076  
 Facility Status:        Site Cleanup Completed (NFA)  
 Facility Status Date:   10/26/1999  
 Release ID:            990156  
 Project Officer:        Renato Maniulit

**UST:**  
 Facility ID:            9-701076  
 Owner:                 KAUAI COUNTY - DEPT OF PUBLIC WORKS  
 Owner Address:        444 RICE ST. , STE 275 MAIKEHA BLDG  
 Owner City,St,Zip:    Lihue, 96766 96766  
 Latitude:              21.972031000000001  
 Longitude:             -159.37357700000001  
 Horizontal Reference Datum Name:    NAD83  
 Horizontal Collection Method Name:    GPS

Tank ID:                R-72157  
 Date Installed:        06/05/1977  
**Tank Status:**        **Permanently Out of Use**  
 Date Closed:           11/04/1998  
 Tank Capacity:        5000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAUAI COUNTY LIHUE DPW BASE YARD (Continued)**

**U003403010**

Substance: Diesel  
  
Tank ID: R-72158  
Date Installed: 06/05/1977  
**Tank Status: Permanently Out of Use**  
Date Closed: 11/04/1998  
Tank Capacity: 5000  
Substance: Gasoline

Tank ID: R-72159  
Date Installed: 06/05/1977  
**Tank Status: Permanently Out of Use**  
Date Closed: 11/04/1998  
Tank Capacity: 5000  
Substance: Gasoline

HI Financial Assurance:

Name: KAUAI COUNTY LIHUE DPW BASE YARD  
Address: 2820 WEHE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701076  
Tank Id: R-72158  
Tank Status: Permanently Out of Use  
FRTYPE: Self Insured  
Expiration Date: Not reported

Name: KAUAI COUNTY LIHUE DPW BASE YARD  
Address: 2820 WEHE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701076  
Tank Id: R-72159  
Tank Status: Permanently Out of Use  
FRTYPE: Self Insured  
Expiration Date: Not reported

Name: KAUAI COUNTY LIHUE DPW BASE YARD  
Address: 2820 WEHE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701076  
Tank Id: R-72157  
Tank Status: Permanently Out of Use  
FRTYPE: Self Insured  
Expiration Date: Not reported

53  
WSW  
1/2-1  
0.588 mi.  
3105 ft.

**KOAMALU PLANTATION LLC CONDOMINIUM**  
4534 UAHU RD  
LIHUE, HI 96766

**HI SHWS S108859925**  
N/A

**Relative:**  
**Higher**  
**Actual:**  
**230 ft.**

SHWS:  
Organization: Not reported  
Supplemental Location: Not reported  
Island: Kauai  
Environmental Interest: Koamalu Plantation LLC Condominium

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**KOAMALU PLANTATION LLC CONDOMINIUM (Continued)**

**S108859925**

HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Program:	State
Project Manager:	Jordan Nakayama
Hazard Priority:	Medium
Potential Hazards And Controls:	Hazard Undetermined
Island:	Kauai
SDAR Environmental Interest Name:	Koamalu Plantation LLC Condominium
HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Potential Hazard And Controls:	Hazard Undetermined
Priority:	Medium
Assessment:	Response Necessary
Response:	Response Ongoing
Nature of Contamination:	Presumed: Motor oil in soil
Nature of Residual Contamination:	Not reported
Use Restrictions:	Undetermined
Engineering Control:	Not reported
Description of Restrictions:	Not reported
Institutional Control:	Not reported
Within Designated Areawide Contamination:	Not reported
Site Closure Type:	Not reported
Document Date:	Not reported
Document Number:	Not reported
Document Subject:	Not reported
Project Manager:	Jordan Nakayama
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**54**  
**SE**  
**1/2-1**  
**0.979 mi.**  
**5167 ft.**

**KAUAI BEVERAGE & ICE CREAM CO.**  
**3056 AUKELE ST**  
**LIHUE, HI 96766**

**HI SHWS** **U001237193**  
**HI UST** **N/A**  
**HI Financial Assurance**

**Relative:**  
**Lower**  
**Actual:**  
**140 ft.**

<b>SHWS:</b>	
Organization:	Not reported
Supplemental Location:	Lihue Industrial Park
Island:	Kauai
Environmental Interest:	Kauai Beverage and Ice Cream Company
HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Program:	State
Project Manager:	Paul Chong
Hazard Priority:	NFA
Potential Hazards And Controls:	No Hazard
Island:	Kauai
SDAR Environmental Interest Name:	Kauai Beverage and Ice Cream Company
HID Number:	Not reported
Facility Registry Identifier:	Not reported
Lead Agency:	HEER
Potential Hazard And Controls:	No Hazard
Priority:	NFA
Assessment:	Response Necessary
Response:	Response Complete
Nature of Contamination:	Found: Petroleum contaminated soils removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAUAI BEVERAGE & ICE CREAM CO. (Continued)**

**U001237193**

Nature of Residual Contamination: Not reported  
Use Restrictions: No Hazard Present For Unrestricted Residential Use  
Engineering Control: Not reported  
Description of Restrictions: Not reported  
Institutional Control: Not reported  
Within Designated Areawide Contamination: Not reported  
Site Closure Type: No Further Action Letter - Unrestricted Residential Use  
Document Date: 08/12/2011  
Document Number: 2011-460-PC  
Document Subject: No Further Action Determination for the Final Removal Action of Surface Stained Soils at 3056 Aukele St  
Project Manager: Paul Chong  
Contact Information: (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**UST:**

Facility ID: 9-700438  
Owner: KAUAI BEVERAGE & ICE CREAM CO.  
Owner Address: 3056 AUKELE ST  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: Not reported  
Longitude: Not reported  
Horizontal Reference Datum Name: Not reported  
Horizontal Collection Method Name: Not reported

Tank ID: R-1  
Date Installed: 01/01/1986  
**Tank Status: Permanently Out of Use**  
Date Closed: 03/15/1997  
Tank Capacity: 500  
Substance: Diesel

Tank ID: R-2  
Date Installed: 01/01/1986  
**Tank Status: Permanently Out of Use**  
Date Closed: 03/15/1997  
Tank Capacity: 800  
Substance: Gasoline

**HI Financial Assurance:**

Name: KAUAI BEVERAGE & ICE CREAM CO.  
Address: 3056 AUKELE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700438  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance  
Expiration Date: Not reported

Name: KAUAI BEVERAGE & ICE CREAM CO.  
Address: 3056 AUKELE ST  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-700438  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Insurance

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KAUAI BEVERAGE & ICE CREAM CO. (Continued)**

**U001237193**

Expiration Date: Not reported



Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LIHUE	S124516652	COUNTY OF KAUAI LIHUE REFUSE TRANS	3450 AHUKINI ROAD		HI SWF/LF
LIHUE	1006820955	HALEHAKA LANDFILL	HALEHAKA RD	96766	HI SHWS
LIHUE	1023642786	KUHIO HIGHWAY RESURFACING, KAPULE	KUHIO HIGHWAY (ROUTE 56), KAPU	96766	FINDS, ECHO
LIHUE	S123106618	PARADISE 76 SERVICE STATION	3155 KUHIO HIGHWAY	96766	HI SHWS

# 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 EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **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: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	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 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by 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 received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

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: 01/30/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 9

Source: EPA  
Telephone: N/A  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 9

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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. 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). 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.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

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. 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). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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. 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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. 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

### 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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

### 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: 12/16/2019  
Date Data Arrived at EDR: 12/19/2019  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 03/24/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## **State- and tribal - equivalent CERCLIS**

### 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: 04/17/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 9

Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Semi-Annually

## **State and tribal landfill and/or solid waste disposal site lists**

### 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.

Date of Government Version: 09/20/2019  
Date Data Arrived at EDR: 09/24/2019  
Date Made Active in Reports: 11/21/2019  
Number of Days to Update: 58

Source: Department of Health  
Telephone: 808-586-4245  
Last EDR Contact: 03/05/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies

## **State and tribal leaking storage tank lists**

### 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: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 05/01/2020  
Number of Days to Update: 65

Source: Department of Health  
Telephone: 808-586-4228  
Last EDR Contact: 02/24/2020  
Next Scheduled EDR Contact: 06/08/2020  
Data Release Frequency: Semi-Annually

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 72

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 04/24/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019	Source: EPA Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/23/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-6597
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal registered storage tank lists***

### **FEMA UST: Underground Storage Tank Listing**

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019	Source: FEMA
Date Data Arrived at EDR: 08/28/2019	Telephone: 202-646-5797
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 03/19/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

### **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: 02/25/2020	Source: Department of Health
Date Data Arrived at EDR: 02/26/2020	Telephone: 808-586-4228
Date Made Active in Reports: 05/01/2020	Last EDR Contact: 02/24/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Semi-Annually

### **INDIAN UST R5: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

### **INDIAN UST R4: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

### **INDIAN UST R1: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

### **INDIAN UST R10: Underground Storage Tanks on Indian Land**

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 04/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Engineering Control Sites

A listing of sites with engineering controls in place.

Date of Government Version: 04/17/2019	Source: Department of Health
Date Data Arrived at EDR: 05/21/2019	Telephone: 404-586-4249
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 05/14/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

### INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 04/17/2019	Source: Department of Health
Date Data Arrived at EDR: 05/21/2019	Telephone: 808-586-4249
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 05/14/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

## ***State and tribal voluntary cleanup sites***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VCP: Voluntary Response Program Sites

Sites participating in the Voluntary Response Program. The purpose of the VRP is to streamline the cleanup process in a way that will encourage prospective developers, lenders, and purchasers to voluntarily cleanup properties.

Date of Government Version: 04/17/2019	Source: Department of Health
Date Data Arrived at EDR: 05/21/2019	Telephone: 808-586-4249
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 05/14/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/18/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### BROWNFIELDS: Brownfields Sites

With certain legal exclusions and additions, the term 'brownfield site' means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 04/17/2019	Source: Department of Health
Date Data Arrived at EDR: 05/21/2019	Telephone: 808-586-4249
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 05/14/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: 202-566-2777
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 03/17/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 04/16/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Varies

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009

Date Data Arrived at EDR: 05/07/2009

Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9

Telephone: 415-947-4219

Last EDR Contact: 04/09/2020

Next Scheduled EDR Contact: 08/03/2020

Data Release Frequency: No Update Planned

## 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: 06/30/1985

Date Data Arrived at EDR: 08/09/2004

Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346

Last EDR Contact: 06/09/2004

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014

Date Data Arrived at EDR: 08/06/2014

Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service

Telephone: 301-443-1452

Last EDR Contact: 05/01/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019

Date Data Arrived at EDR: 06/13/2019

Date Made Active in Reports: 09/03/2019

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 02/21/2020

Next Scheduled EDR Contact: 06/08/2020

Data Release Frequency: No Update Planned

### CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab site locations.

Date of Government Version: 08/04/2010

Date Data Arrived at EDR: 09/10/2010

Date Made Active in Reports: 10/22/2010

Number of Days to Update: 42

Source: Department of Health

Telephone: 808-586-4249

Last EDR Contact: 02/24/2020

Next Scheduled EDR Contact: 06/08/2020

Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 02/21/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Quarterly

## Local Land Records

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/05/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/06/2019	Telephone: 202-366-4555
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

### 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: 11/18/2019	Source: Department of Health
Date Data Arrived at EDR: 11/19/2019	Telephone: 808-586-4249
Date Made Active in Reports: 01/21/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 03/10/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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. 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## 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: 01/28/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/19/2020	Telephone: 202-528-4285
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 02/19/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Varies

## 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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Semi-Annually

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: N/A

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/16/2019  
Date Data Arrived at EDR: 12/19/2019  
Date Made Active in Reports: 02/27/2020  
Number of Days to Update: 70

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/24/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/08/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## 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: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Every 4 Years

## 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: 12/31/2018  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/05/2020  
Next Scheduled EDR Contact: 06/01/2020  
Data Release Frequency: Annually

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 10/23/2019  
Date Made Active in Reports: 01/15/2020  
Number of Days to Update: 84

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Annually

## 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: 01/30/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 9

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 06/15/2020  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019  
Date Data Arrived at EDR: 11/20/2019  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 149

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/15/2020  
Next Scheduled EDR Contact: 08/03/2020  
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: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020  
Date Data Arrived at EDR: 02/06/2020  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 8

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2019  
Date Data Arrived at EDR: 10/11/2019  
Date Made Active in Reports: 12/20/2019  
Number of Days to Update: 70

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016  
Date Data Arrived at EDR: 11/23/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 79

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Quarterly

**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: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009  
Date Data Arrived at EDR: 04/16/2009  
Date Made Active in Reports: 05/11/2009  
Number of Days to Update: 25

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 08/18/2017  
Next Scheduled EDR Contact: 12/04/2017  
Data Release Frequency: No Update Planned

## 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.

Date of Government Version: 10/25/2019  
Date Data Arrived at EDR: 10/25/2019  
Date Made Active in Reports: 01/15/2020  
Number of Days to Update: 82

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 01/15/2020  
Number of Days to Update: 42

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 03/06/2020  
Next Scheduled EDR Contact: 06/15/2020  
Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2017  
Date Data Arrived at EDR: 03/05/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 251

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 02/27/2020  
Next Scheduled EDR Contact: 06/15/2020  
Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019  
Date Data Arrived at EDR: 11/06/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 96

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 05/08/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 07/01/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 84

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 07/01/2019  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 04/28/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Quarterly

# 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: 12/31/2019	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/17/2020	Telephone: Varies
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 03/26/2020
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

## 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: 12/31/2015	Source: EPA/NTIS
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 09/28/2017	Last EDR Contact: 03/25/2020
Number of Days to Update: 218	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Biennially

## 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: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/10/2020
Number of Days to Update: 546	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 04/29/2020
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

## 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.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/21/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/01/2020
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/05/2020	Telephone: 703-603-8787
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 12/03/2019	Telephone: 202-693-9424
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 03/02/2020
Number of Days to Update: 56	Next Scheduled EDR Contact: 06/15/2020
	Data Release Frequency: Quarterly

## US 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: 11/06/2019	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 11/25/2019	Telephone: 303-231-5959
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/25/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 02/28/2020
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 02/28/2020
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019	Source: Department of Interior
Date Data Arrived at EDR: 12/11/2019	Telephone: 202-208-2609
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 03/05/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/22/2020
	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: 11/22/2019	Source: EPA
Date Data Arrived at EDR: 12/04/2019	Telephone: (415) 947-8000
Date Made Active in Reports: 03/02/2020	Last EDR Contact: 03/03/2020
Number of Days to Update: 89	Next Scheduled EDR Contact: 06/15/2020
	Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 02/21/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 04/07/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/17/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 74

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020  
Date Data Arrived at EDR: 02/19/2020  
Date Made Active in Reports: 05/14/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 02/19/2020  
Next Scheduled EDR Contact: 06/01/2020  
Data Release Frequency: Quarterly

## AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 12/19/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 03/02/2020  
Number of Days to Update: 70

Source: Department of Health  
Telephone: 808-586-4200  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## DRYCLEANERS: Permitted Drycleaner Facility Listing

A listing of permitted drycleaner facilities in the state.

Date of Government Version: 12/19/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 03/04/2020  
Number of Days to Update: 72

Source: Department of Health  
Telephone: 808-586-4200  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/25/2019  
Date Data Arrived at EDR: 11/27/2019  
Date Made Active in Reports: 01/24/2020  
Number of Days to Update: 58

Source: Department of Health  
Telephone: 808-586-4226  
Last EDR Contact: 03/05/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## LEAD: Lead Inspection Listing

Lead inspections

Date of Government Version: 03/05/2020  
Date Data Arrived at EDR: 03/06/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 70

Source: Department of Health  
Telephone: 808-586-5800  
Last EDR Contact: 03/05/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 02/07/2013  
Date Data Arrived at EDR: 02/12/2013  
Date Made Active in Reports: 04/09/2013  
Number of Days to Update: 56

Source: Department of Health  
Telephone: 808-586-4258  
Last EDR Contact: 02/24/2020  
Next Scheduled EDR Contact: 06/08/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System  
Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 02/28/2020  
Next Scheduled EDR Contact: 06/08/2020  
Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A	Source: Department of Health
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/08/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 191	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A	Source: Department of Health
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/17/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 200	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A	Source: Department of Health
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## 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

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Office of Planning

Telephone: 808-587-2895

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
LIHUE, HI 96766

### TARGET PROPERTY COORDINATES

Latitude (North):	21.978952 - 21° 58' 44.23"
Longitude (West):	159.368144 - 159° 22' 5.32"
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	461993.5
UTM Y (Meters):	2430400.5
Elevation:	210 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5949350 LIHUE, HI
Version Date:	2013
North Map:	5949362 KAPAA, HI
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

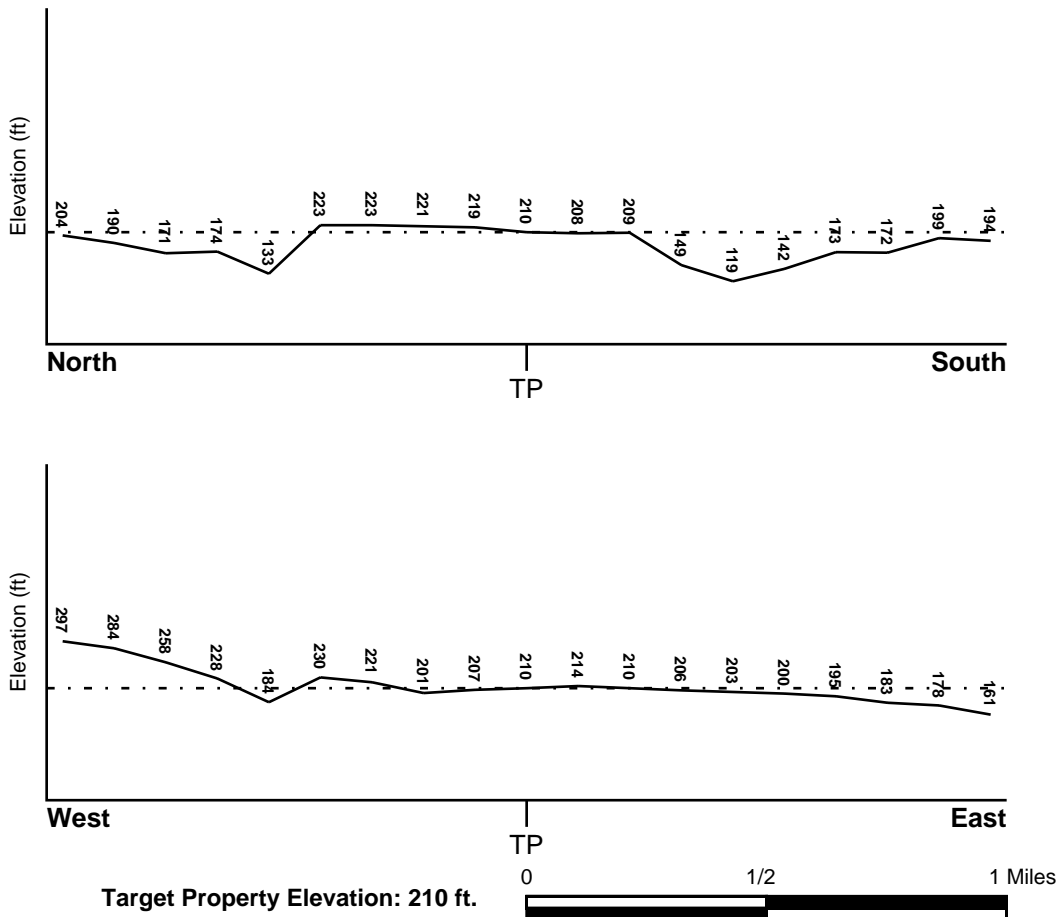
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' 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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
1500020326F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
1500020307E	FEMA FIRM Flood data
1500020309E	FEMA FIRM Flood data
1500020328F	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
LIHUE	YES - refer to the Overview Map and Detail Map

## **HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

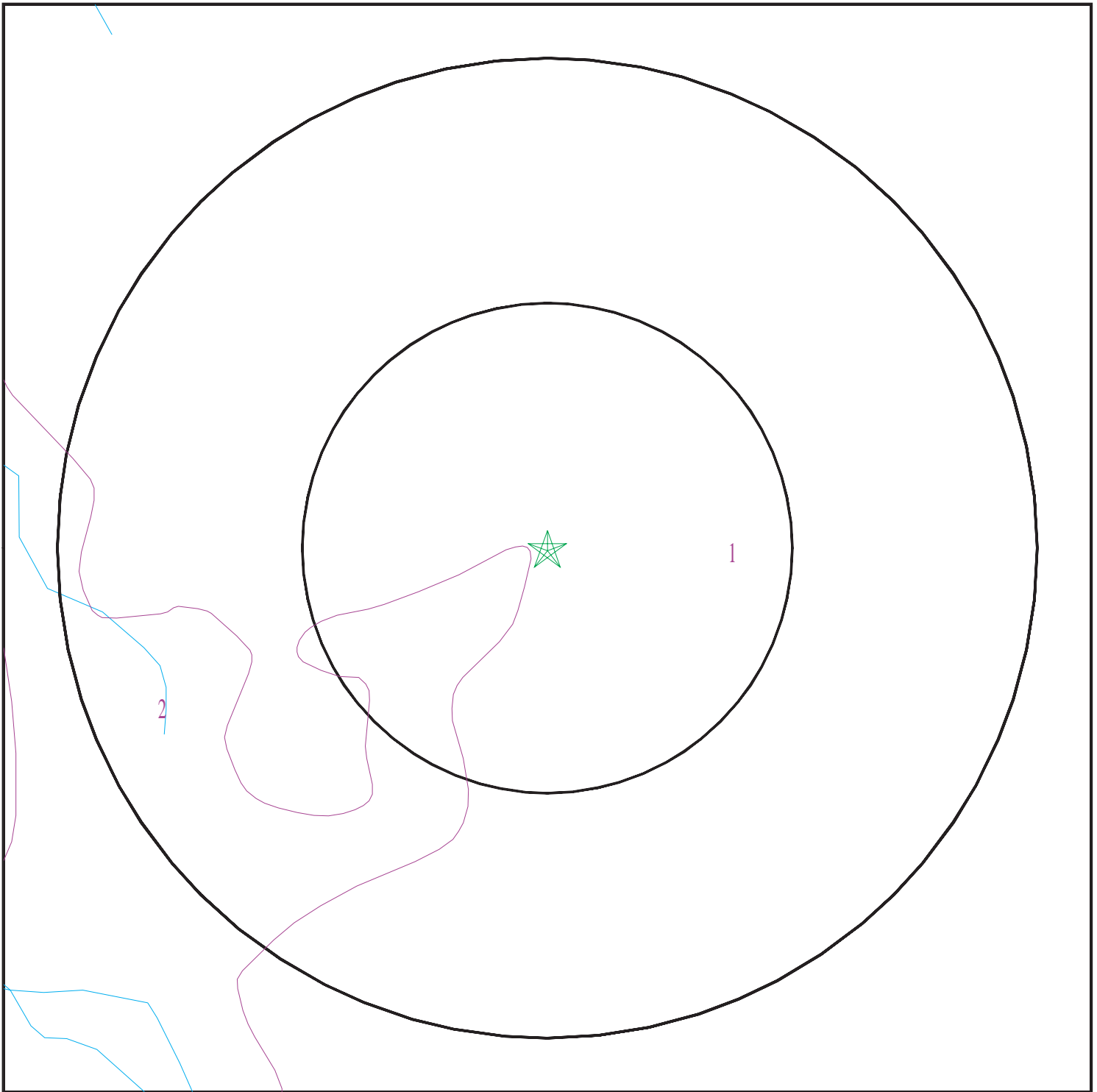
Era: -  
System: -  
Series: -  
Code: N/A (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 6066289.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
Lihue HI 96766  
LAT/LONG: 21.978952 / 159.368144

CLIENT: Environmental Risk Analysis, LLC  
CONTACT: Max Ulloa  
INQUIRY #: 6066289.2s  
DATE: May 18, 2020 12:30 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Lihue

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	MH-K (proposed)	Max: 4.23 Min: 1.41	Max: 7.3 Min: 5.6
2	11 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	MH-K (proposed)	Max: 4.23 Min: 1.41	Max: 7.3 Min: 5.6

### Soil Map ID: 2

Soil Component Name: Rough broken land

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:
2	7 inches	29 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:
3	29 inches	59 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
_____	_____	_____

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000271564	1/2 - 1 Mile SW
A4	USGS40000271563	1/2 - 1 Mile SW
B7	USGS40000271560	1/2 - 1 Mile SE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A5	HI0000410	1/2 - 1 Mile SW

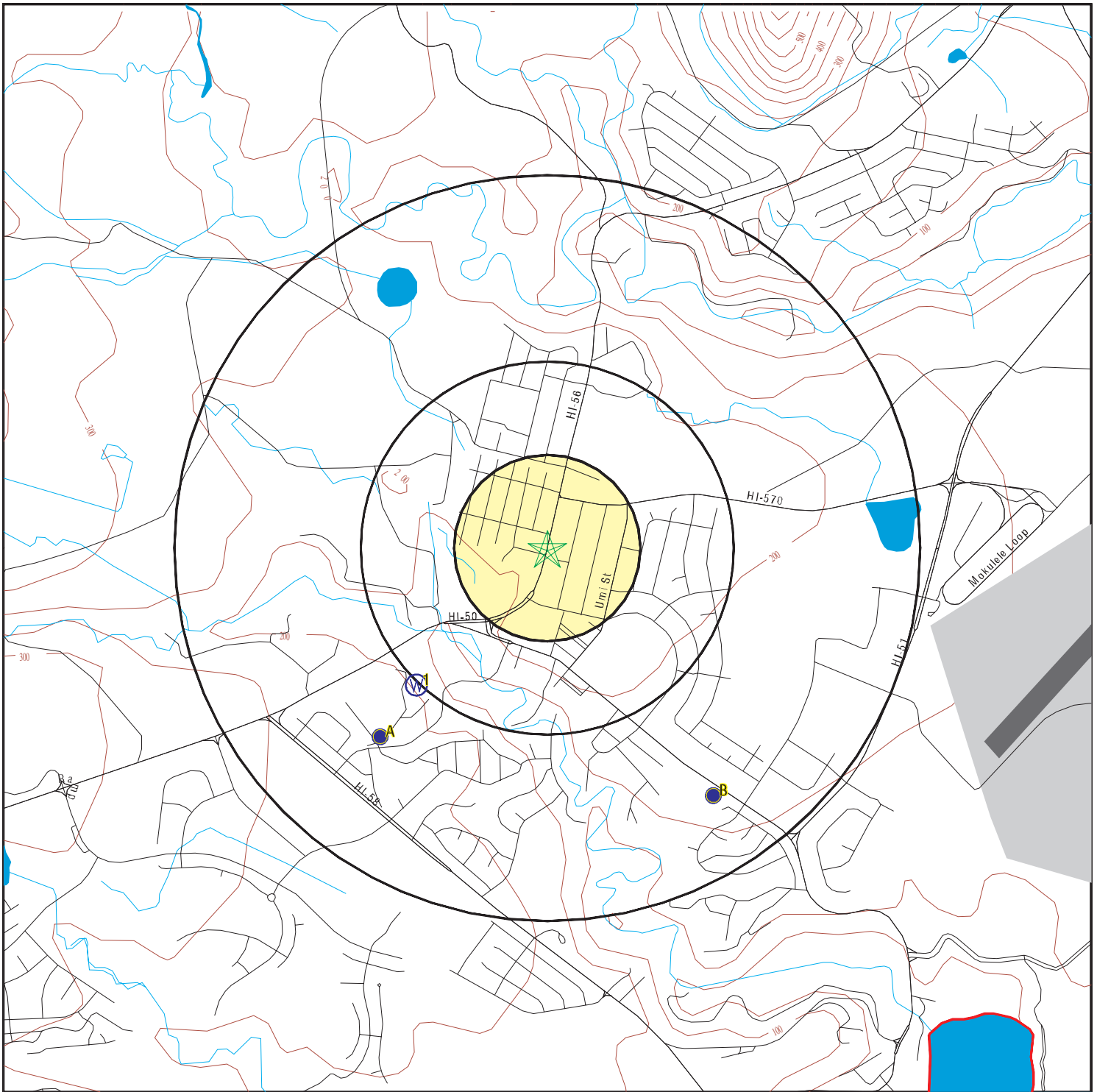
Note: PWS System location is not always the same as well location.









## STATE DATABASE WELL INFORMATION




<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	HI1100000000464	1/2 - 1 Mile SW
A3	HI1100000000465	1/2 - 1 Mile SW
B6	HI1100000000459	1/2 - 1 Mile SSE



# PHYSICAL SETTING SOURCE MAP - 6066289.2s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Airports
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location

SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
 ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
 Lihue HI 96766  
 LAT/LONG: 21.978952 / 159.368144

CLIENT: Environmental Risk Analysis, LLC  
 CONTACT: Max Ulloa  
 INQUIRY #: 6066289.2s  
 DATE: May 18, 2020 12:30 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**HI WELLS      HI110000000464**

Well ID:	2-5822-001	Well Name:	Sugar Mill
Well Owner:	LPC Corporation	Land Owner:	Not Reported
Pump Rate (g/m):	350	Year Drilled:	1965
Original Well Name:	Not Reported	Driller:	Layne International
Well Construction Type:	Rotary	Casing Diameter (in):	8
Ground Elevation (ft):	150	Well Depth (ft):	700
Solid Casing Depth:	Not Reported	Perforated Casing Depth:	Not Reported
Major Well Use:	Industrial	Initial Water Level (ft):	120
Water Level After Drilling:	Not Reported	Water Level After Install:	Not Reported
Chloride Content (mg/L):	0	Date Tested:	Not Reported
Test Pump Rate (g/m):	130	Test Drawdown Rate (ft):	264
Test Chloride Content (MG/L):	29	Test Water Temp:	Not Reported
Temp Unit:	Not Reported	Max Chloride Level:	Not Reported
Minimum Chloride Level:	Not Reported	Draft Year:	Not Reported
Hole Bottom Elevation:	-550	Solid Casing Bottom Elevation:	Not Reported
Year Installed:	Not Reported	Pump Capacity (MM gal/day):	0.504
Pump Intake Depth:	Not Reported	Latest Head:	Not Reported
Latest WCR1 Report:	1/1/1965	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported	Min to pump 5 volumes:	Not Reported

**A2**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000271564**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	2-5822-01 LIHUE	Type:	Well
Description:	Not Reported	HUC:	20070000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19650101
Well Depth:	700	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

**A3**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**HI WELLS      HI110000000465**

Well ID:	2-5822-002	Well Name:	Lihue Gram School
Well Owner:	Department of Water Kauai, KDW	Pump Rate (g/m):	150
Land Owner:	Land Division Kauai, DLNR	Original Well Name:	Not Reported
Year Drilled:	1961	Well Construction Type:	Percussion
Driller:	Not Reported	Ground Elevation (ft):	224
Casing Diameter (in):	8	Solid Casing Depth:	260
Well Depth (ft):	745	Major Well Use:	County
Perforated Casing Depth:	320	Water Level After Drilling:	Not Reported
Initial Water Level (ft):	29.11	Chloride Content (mg/L):	40
Water Level After Install:	Not Reported	Test Pump Rate (g/m):	380
Date Tested:	11/8/1961		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test Drawdown Rate (ft):	60.1	Test Chloride Content (MG/L):	39
Test Water Temp:	24.4	Temp Unit:	C
Max Chloride Level:	Not Reported	Minimum Chloride Level:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	-521
Solid Casing Bottom Elevation:	-36	Year Installed:	Not Reported
Pump Capacity (MM gal/day):	0.216	Pump Intake Depth:	Not Reported
Latest Head:	Not Reported	Latest WCR1 Report:	11/10/1961
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported
Min to pump 5 volumes:	Not Reported		

**A4  
SW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS40000271563**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	2-5822-02 W11 LIHUE	Type:	Well
Description:	Not Reported	HUC:	20070000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Hawaii volcanic-rock aquifers		
Formation Type:	Koloa Volcanic Series, Undifferentiated		
Aquifer Type:	Unconfined single aquifer	Construction Date:	19611110
Well Depth:	745	Well Depth Units:	ft
Well Hole Depth:	745	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1973-01-11
Feet below surface:	194.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**A5  
SW  
1/2 - 1 Mile  
Higher**

**FRDS PWS      HI0000410**

Epa region:	09	State:	HI
Pwsid:	HI0000410	Pwsname:	LIHUE
Cityserved:	Not Reported	Stateserved:	HI
Zipserved:	Not Reported	Fipscounty:	15007
Status:	Closed	Retpopsrvd:	12004
Pwssvconn:	3563	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	DW KAUAI	Contactorgname:	DW KAUAI
Contactphone:	808-245-5434	Contactaddress1:	DEPARTMENT OF WATER
Contactaddress2:	P. O. BOX 1706	Contactcity:	LIHUE
Contactstate:	HI	Contactzip:	96766-5706
Pwsactivitycode:	A		
Pwsid:	HI0000410	Facid:	3T
Facname:	GARLINGHOUSE TUN 5828-01	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
PWS ID:	HI0000410	PWS name:	DOW LIHUE
Address:	Not Reported	Care of:	Not Reported
City:	LIHUE, KAUAI	State:	HI
Zip:	96766	Owner:	DOW LIHUE

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source code:	Ground water	Population:	8330
PWS ID:	HI0000410	PWS type:	System Owner/Responsible Party
PWS name:	MR. RAYMOND SATO, MANAGER	PWS address:	DEPT OF WATER
PWS address:	P.O. BOX 1706	PWS city:	LIHUE
PWS state:	HI	PWS zip:	96766
County:	KAUAI	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	8330		
County:	KAUAI	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	CHLORINATION (FRDS-1.5)
Population:	8330		
PWS ID:	HI0000410	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00008330	System name:	DOW LIHUE
System address:	Not Reported	System city:	LIHUE, KAUAI
System state:	HI	System zip:	96766
County FIPS:	004	City served:	LIHUE
Population served:	5,001 - 10,000 Persons	Treatment:	Treated
Latitude:	215901	Longitude:	1592353
Latitude:	215912	Longitude:	1592341
Latitude:	215901	Longitude:	1592353
Latitude:	215912	Longitude:	1592344
Latitude:	215901	Longitude:	1592353
Latitude:	215901	Longitude:	1592353
Latitude:	215845	Longitude:	1592321
Latitude:	215828	Longitude:	1592241
Latitude:	215747	Longitude:	1592534
State:	HI	Latitude degrees:	21
Latitude minutes:	57	Latitude seconds:	47.0000
Longitude degrees:	159	Longitude minutes:	25
Longitude seconds:	34.0000		
State:	HI	Latitude degrees:	21
Latitude minutes:	58	Latitude seconds:	28.0000
Longitude degrees:	159	Longitude minutes:	22
Longitude seconds:	41.0000		
State:	HI	Latitude degrees:	21
Latitude minutes:	58	Latitude seconds:	45.0000
Longitude degrees:	159	Longitude minutes:	23
Longitude seconds:	21.0000		
State:	HI	Latitude degrees:	21
Latitude minutes:	59	Latitude seconds:	1.0000
Longitude degrees:	159	Longitude minutes:	23
Longitude seconds:	53.0000		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State: HI  
 Latitude minutes: 59  
 Longitude degrees: 159  
 Longitude seconds: 41.0000

Latitude degrees: 21  
 Latitude seconds: 12.0000  
 Longitude minutes: 23

State: HI  
 Latitude minutes: 59  
 Longitude degrees: 159  
 Longitude seconds: 44.0000

Latitude degrees: 21  
 Latitude seconds: 12.0000  
 Longitude minutes: 23

**B6**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**HI WELLS      HI1100000000459**

Well ID: 2-5821-002  
 Well Owner: Department of Water Kauai, KDW  
 Land Owner: Department of Water Kauai, KDW  
 Pump Rate (g/m): 0  
 Original Well Name: Not Reported  
 Well Construction Type: Percussion  
 Ground Elevation (ft): 156  
 Solid Casing Depth: 255  
 Major Well Use: Observation  
 Water Level After Drilling: Not Reported  
 Chloride Content (mg/L): 34  
 Test Pump Rate (g/m): 169  
 Test Chloride Content (MG/L): 30  
 Temp Unit: Not Reported  
 Minimum Chloride Level: Not Reported  
 Hole Bottom Elevation: -144  
 Year Installed: Not Reported  
 Pump Intake Depth: Not Reported  
 Latest WCR1 Report: 8/1/1978  
 Transmissivity: Not Reported

Well Name: Kauai Inn Tank  
 Year Drilled: 1978  
 Driller: Roscoe Moss Hawaii Inc  
 Casing Diameter (in): 8  
 Well Depth (ft): 300  
 Perforated Casing Depth: Not Reported  
 Initial Water Level (ft): 7.7  
 Water Level After Install: Not Reported  
 Date Tested: 9/8/1978  
 Test Drawdown Rate (ft): 42.5  
 Test Water Temp: Not Reported  
 Max Chloride Level: Not Reported  
 Draft Year: Not Reported  
 Solid Casing Bottom Elevation: -99  
 Pump Capacity (MM gal/day): Not Reported  
 Latest Head: Not Reported  
 Latest WCR2 Report: Not Reported  
 Min to pump 5 volumes: Not Reported

**B7**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000271560**

Organization ID: USGS-HI  
 Monitor Location: 2-5821-02  
 Description: Not Reported  
 Drainage Area: Not Reported  
 Contrib Drainage Area: Not Reported  
 Aquifer: Not Reported  
 Aquifer Type: Not Reported  
 Well Depth: 350  
 Well Hole Depth: Not Reported

Organization Name: USGS Hawaii Water Science Center  
 Type: Well  
 HUC: 20070000  
 Drainage Area Units: Not Reported  
 Contrib Drainage Area Unts: Not Reported  
 Formation Type: Not Reported  
 Construction Date: 19780801  
 Well Depth Units: ft  
 Well Hole Depth Units: Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for KAUAI County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 96766

Number of sites tested: 13

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.131 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.300 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Office of Planning

Telephone: 808-587-2895

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Well Index Database

Source: Commission on Water Resource Management

Telephone: 808-587-0214

CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii.

## OTHER STATE DATABASE INFORMATION

### RADON

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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Hardy-Oxford Waterline, Kuhio Highway

Hardy-Oxford Waterline, Kuhio Highway

Lihue, HI 96766

Inquiry Number: 6066289.3

May 19, 2020

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

05/19/20

**Site Name:**

Hardy-Oxford Waterline, Kuhio  
Hardy-Oxford Waterline, Kuhio  
Lihue, HI 96766  
EDR Inquiry # 6066289.3

**Client Name:**

Environmental Risk Analysis. LLC  
905A Makahiki Way  
HONOLULU, HI 96826  
Contact: Max Ulloa



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Environmental Risk Analysis. LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

**Certified Sanborn Results:**

**Certification #** 7133-4E60-AB0D  
**PO #** NA  
**Project** Hardy-Oxford Waterline

**Maps Provided:**

1990  
1980  
1975  
1945  
1927



Sanborn® Library search results

Certification #: 7133-4E60-AB0D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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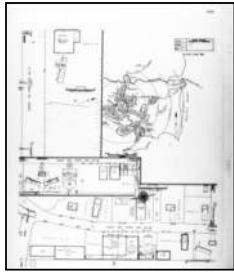
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## Sanborn Sheet Key

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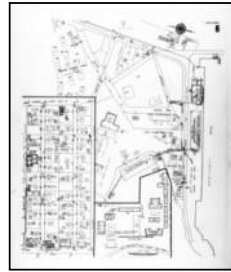
### 1990 Source Sheets



Volume 1, Sheet Keymap/Sheet1  
1990



Volume 1, Sheet 2  
1990

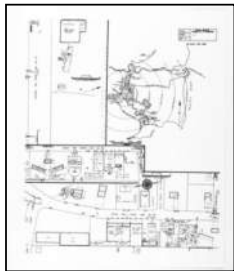


Volume 1, Sheet 6  
1990



Volume 1, Sheet 7  
1990

### 1980 Source Sheets



Volume 1, Sheet Keymap/Sheet1  
1980



Volume 1, Sheet 2  
1980



Volume 1, Sheet 6  
1980



Volume 1, Sheet 7  
1980

### 1975 Source Sheets



Volume 1, Sheet Keymap/Sheet1  
1975



Volume 1, Sheet 6  
1975



Volume 1, Sheet 7  
1975



Volume 1, Sheet 2  
1975

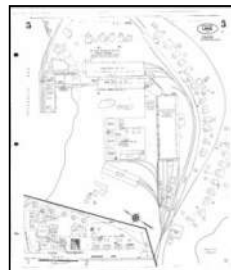
### 1945 Source Sheets



Volume 1, Sheet Keymap/Sheet1  
1945



Volume 1, Sheet 2  
1945



Volume 1, Sheet 5  
1945



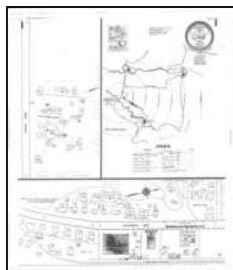
Volume 1, Sheet 6  
1945

**Sanborn Sheet Key**

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



**1927 Source Sheets**

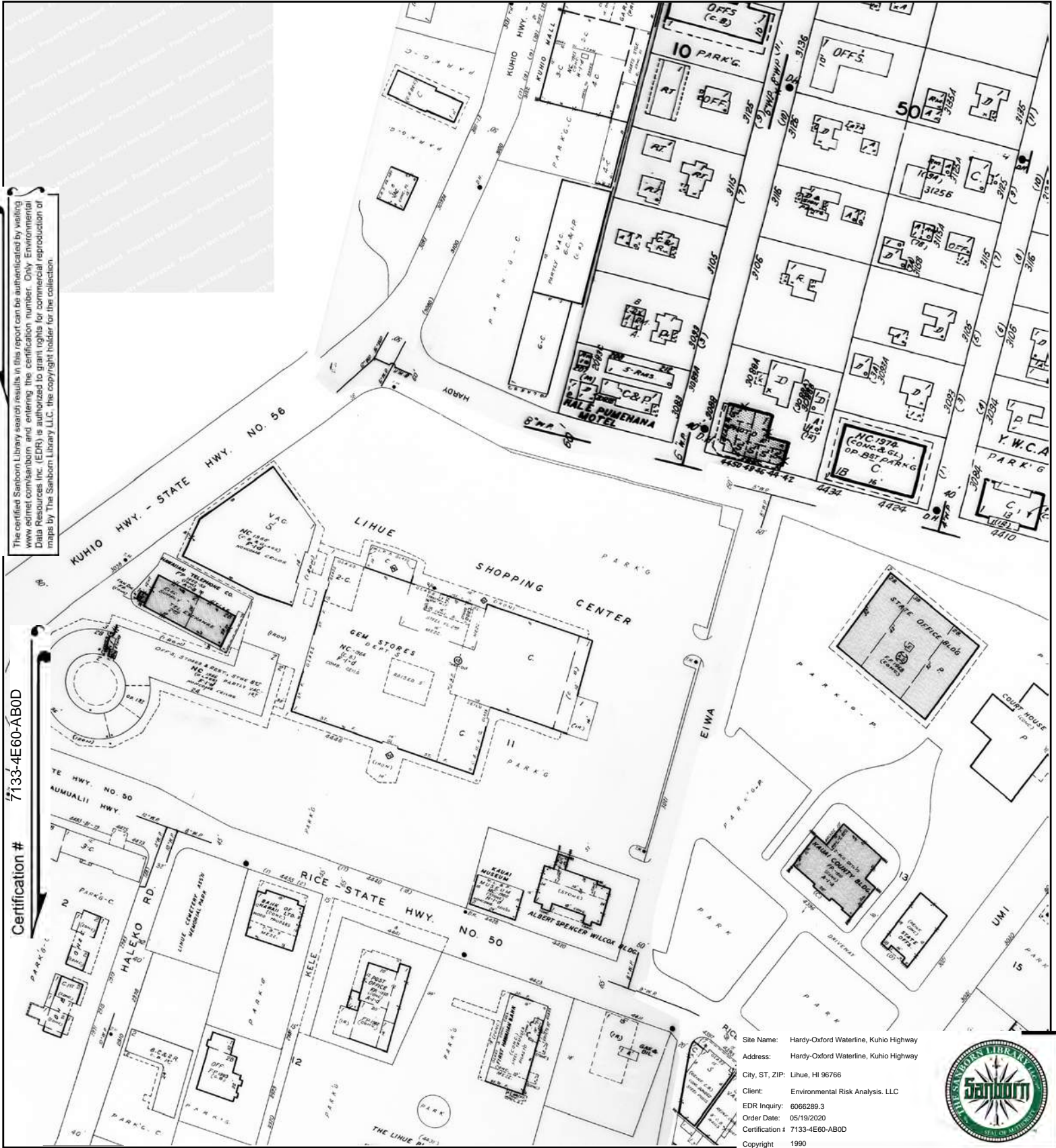


Volume 1, Sheet Keymap/Sheet 1  
1927

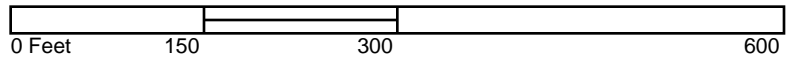


Volume 1, Sheet 2  
1927

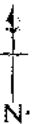
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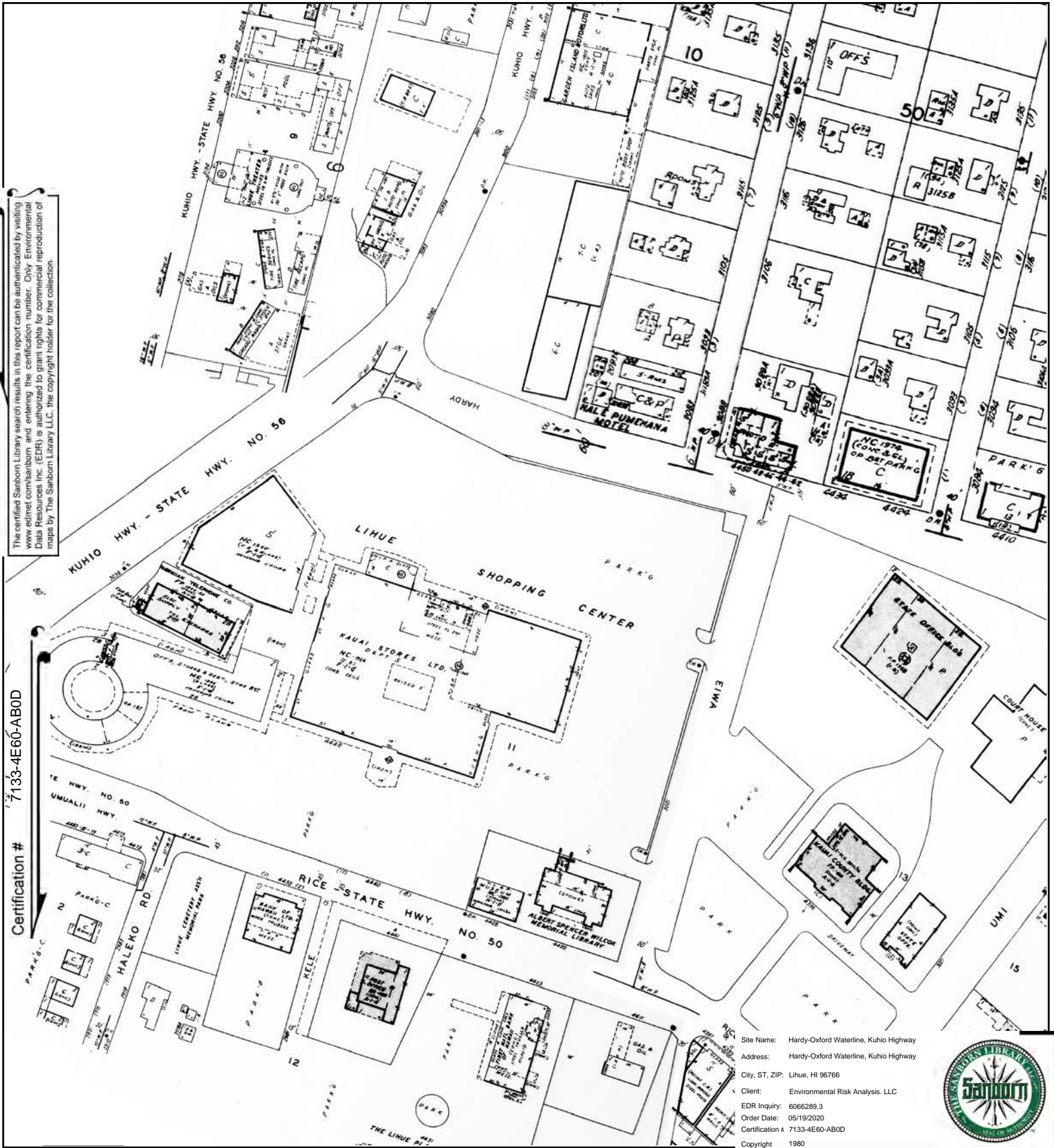


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- Volume 1, Sheet 7
- Volume 1, Sheet 6
- Volume 1, Sheet 2
- Volume 1, Sheet Keymap/Sheet1





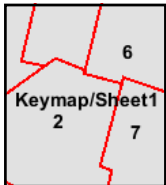
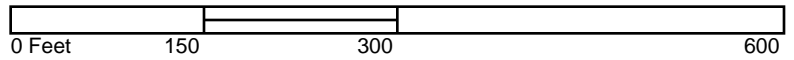
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Certification # 7133-4E60-AB0D

Site Name: Hardy-Oxford Waterline, Kuhio Highway  
 Address: Hardy-Oxford Waterline, Kuhio Highway  
 City, ST, ZIP: Lihue, HI 96766  
 Client: Environmental Risk Analysis, LLC  
 EDR Inquiry: 6066289.3  
 Order Date: 05/19/2020  
 Certification # 7133-4E60-AB0D  
 Copyright 1980

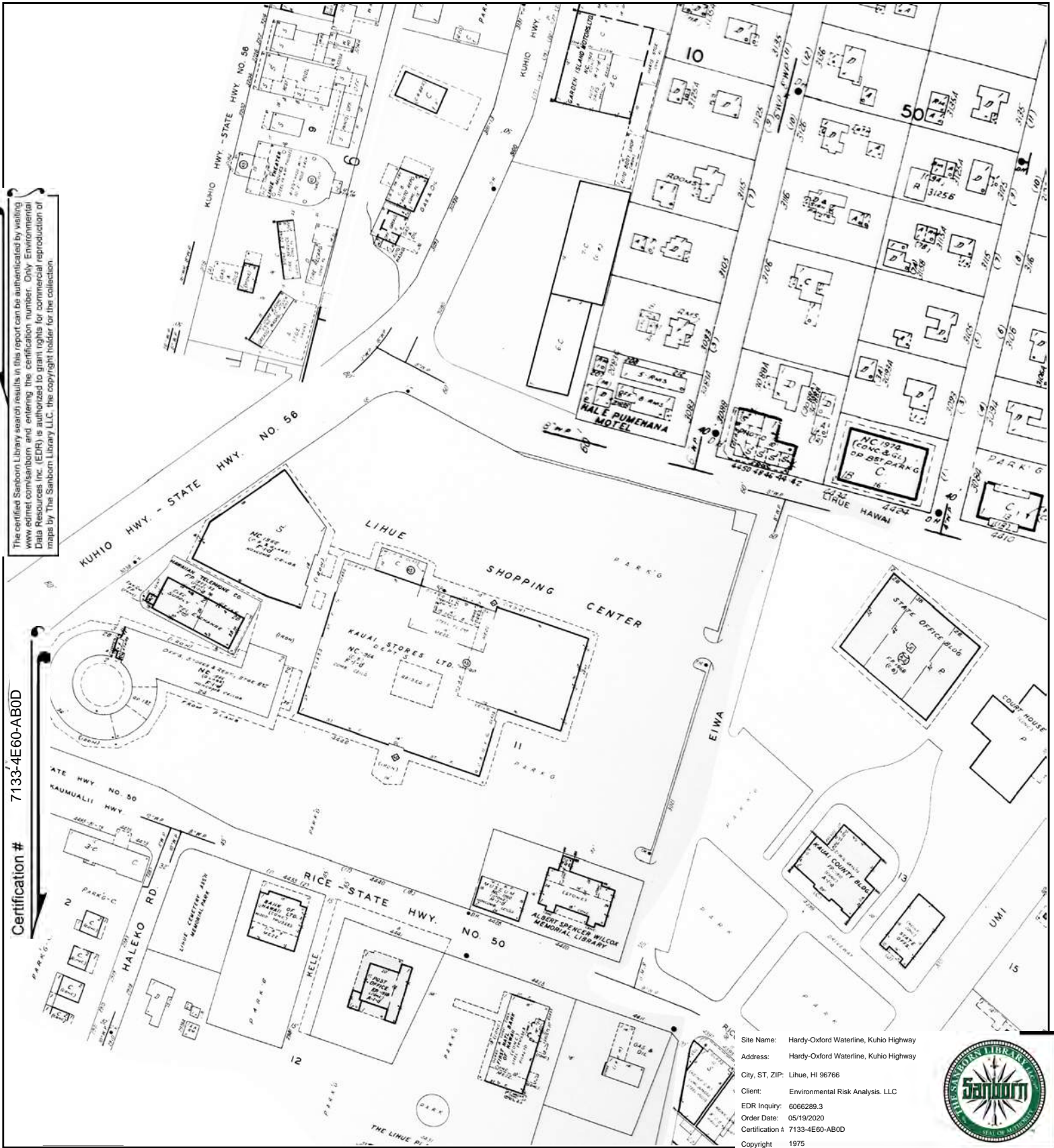


This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 7
- Volume 1, Sheet 6
- Volume 1, Sheet 2
- Volume 1, Sheet Keymap/Sheet1





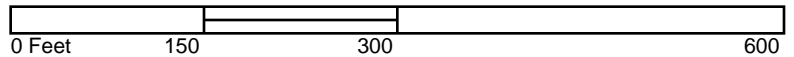
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 City, ST, ZIP: Lihue, HI 96766  
 Client: Environmental Risk Analysis, LLC  
 EDR Inquiry: 6066289.3  
 Order Date: 05/19/2020  
 Certification # 7133-4E60-AB0D  
 Copyright 1975



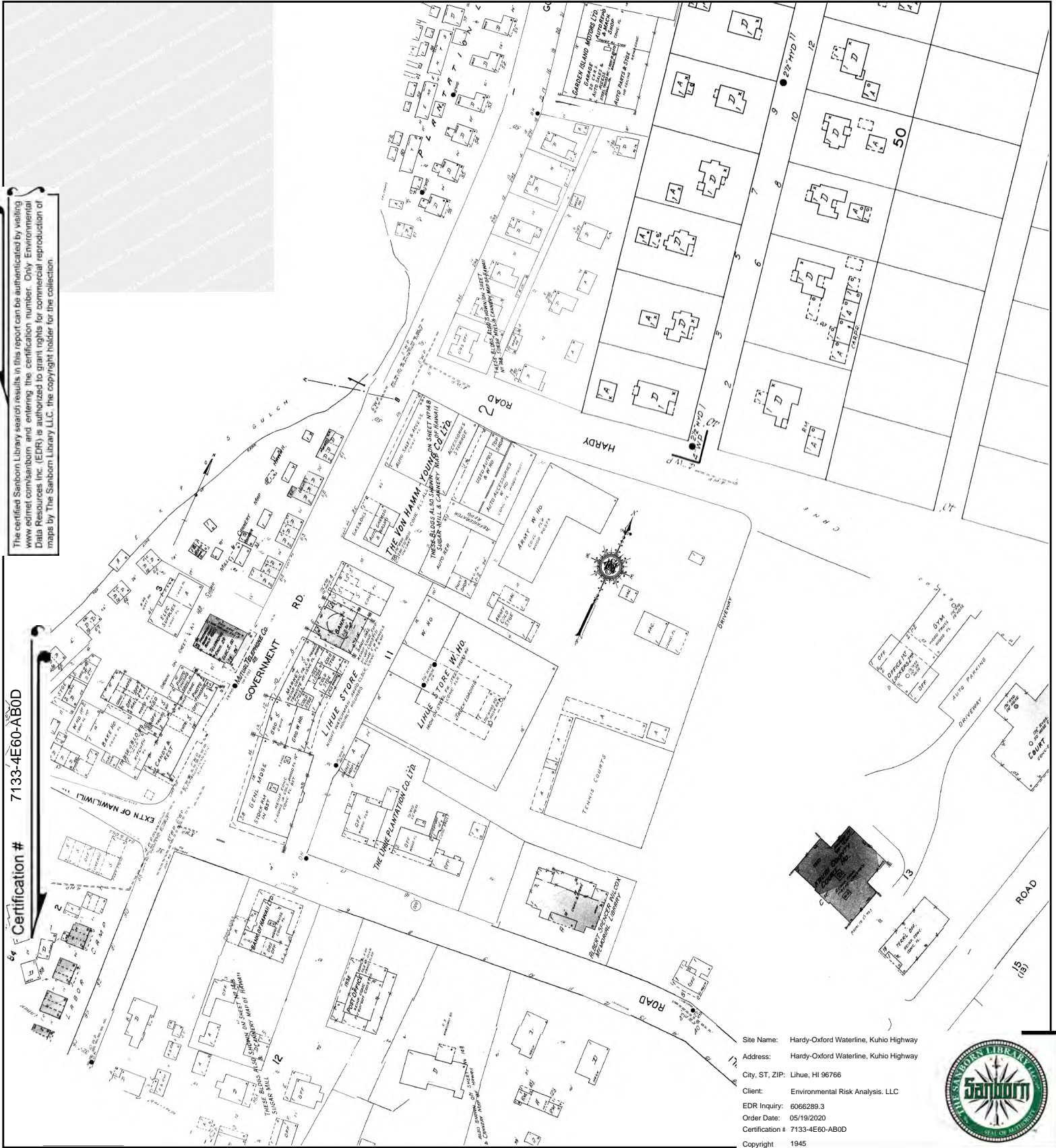
This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 2
- Volume 1, Sheet 7
- Volume 1, Sheet 6
- Volume 1, Sheet Keymap/Sheet1

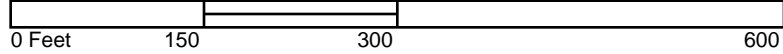






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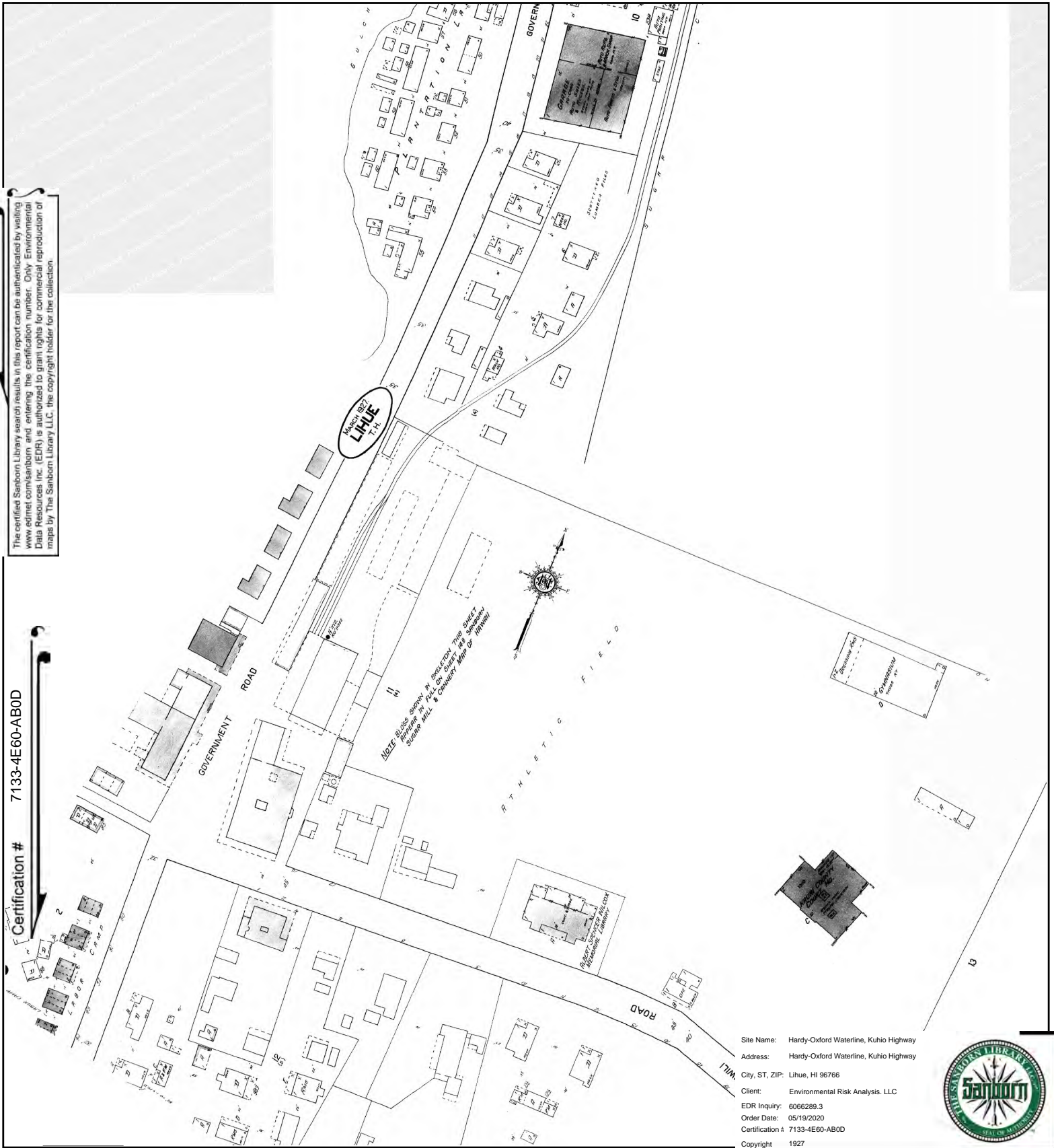


- Volume 1, Sheet 6
- Volume 1, Sheet 5
- Volume 1, Sheet 2
- Volume 1, Sheet Keymap/Sheet1



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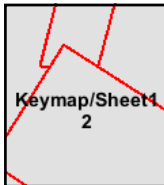
Certification # 7133-4E60-AB0D



Site Name: Hardy-Oxford Waterline, Kuhio Highway  
 Address: Hardy-Oxford Waterline, Kuhio Highway  
 City, ST, ZIP: Lihue, HI 96766  
 Client: Environmental Risk Analysis, LLC  
 EDR Inquiry: 6066289.3  
 Order Date: 05/19/2020  
 Certification # 7133-4E60-AB0D  
 Copyright 1927



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2  
 Volume 1, Sheet Keymap/Sheet1



Hardy-Oxford Waterline, Kuhio Highway

Hardy-Oxford Waterline, Kuhio Highway

Lihue, HI 96766

Inquiry Number: 6066289.4

May 18, 2020

## EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

05/18/20

**Site Name:**

Hardy-Oxford Waterline, Kuhio  
Hardy-Oxford Waterline, Kuhio  
Lihue, HI 96766  
EDR Inquiry # 6066289.4

**Client Name:**

Environmental Risk Analysis. LLC  
905A Makahiki Way  
HONOLULU, HI 96826  
Contact: Max Ulloa



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Environmental Risk Analysis. LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	21.978952 21° 58' 44" North
<b>Project:</b>	Hardy-Oxford Waterline	<b>Longitude:</b>	-159.368144 -159° 22' 5" West
		<b>UTM Zone:</b>	Zone 4 North
		<b>UTM X Meters:</b>	461994.07
		<b>UTM Y Meters:</b>	2430542.94
		<b>Elevation:</b>	211.14' above sea level

**Maps Provided:**

2013  
1996  
1983  
1963  
1910

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## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets



Lihue  
2013  
7.5-minute, 24000



Kapaa  
2013  
7.5-minute, 24000

### 1996 Source Sheets



LIHUE  
1996  
7.5-minute, 24000



Kapaa  
1996  
7.5-minute, 24000  
Aerial Photo Revised 1996

### 1983 Source Sheets



Kapaa  
1983  
7.5-minute, 24000  
Aerial Photo Revised 1978



Lihue  
1983  
7.5-minute, 24000  
Aerial Photo Revised 1978

### 1963 Source Sheets



Lihue  
1963  
7.5-minute, 24000  
Aerial Photo Revised 1960



Kapaa  
1963  
7.5-minute, 24000  
Aerial Photo Revised 1961

## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

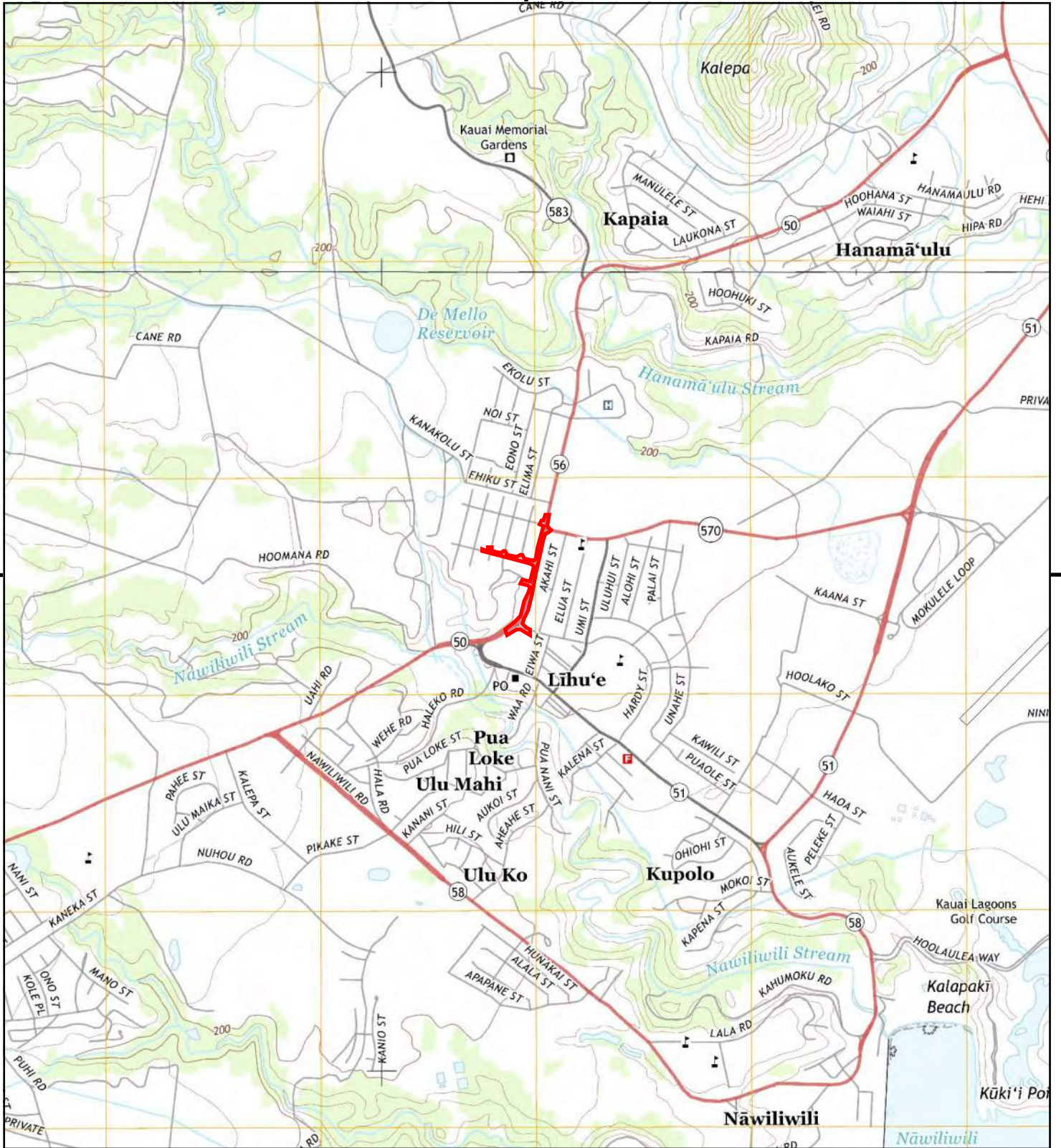
### **1910 Source Sheets**



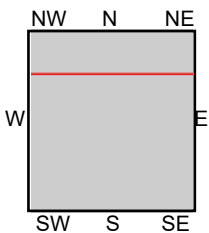
KAPAA  
1910  
7.5-minute, 31680



LIHUE  
1910  
7.5-minute, 31680



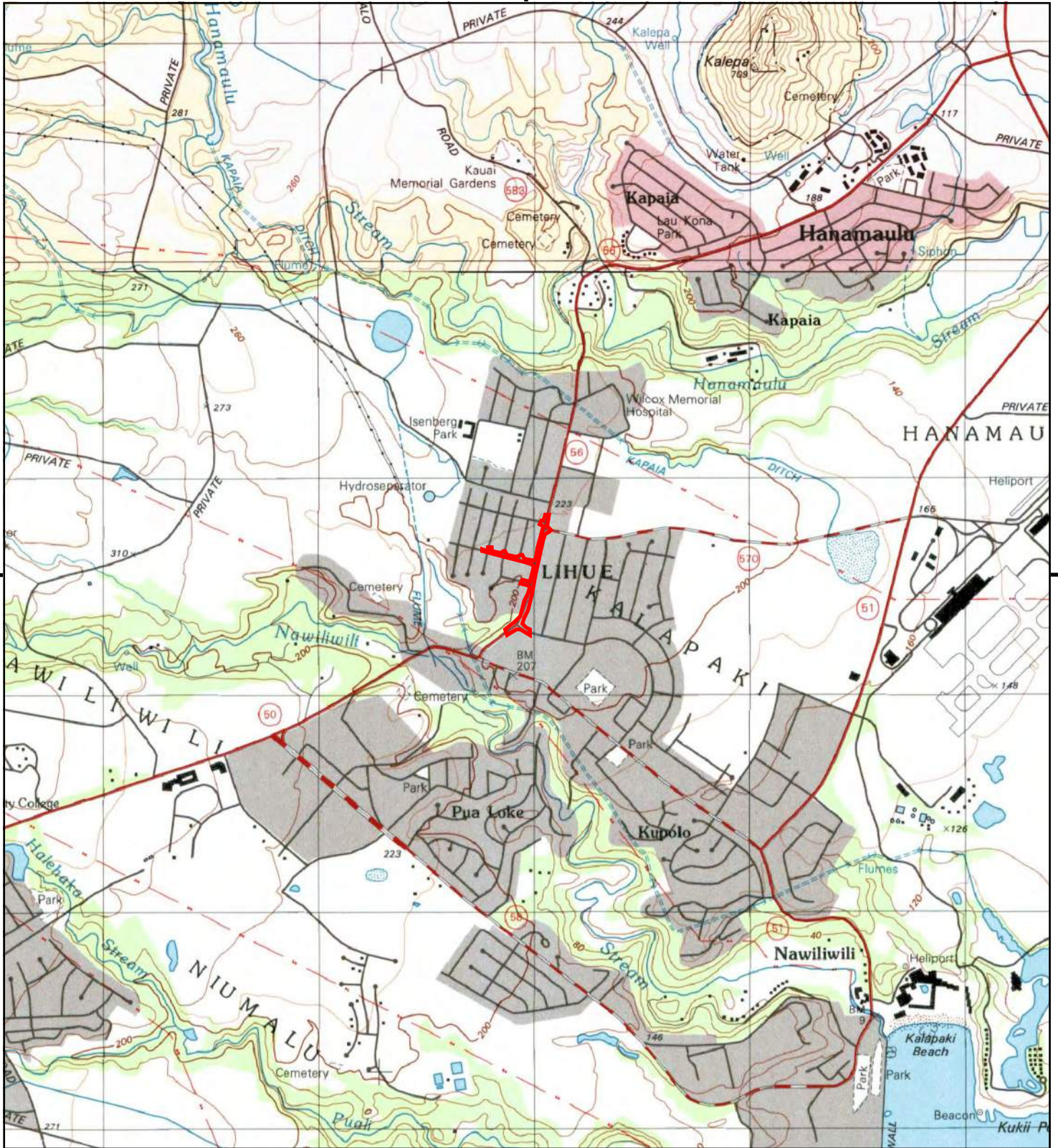
This report includes information from the following map sheet(s).



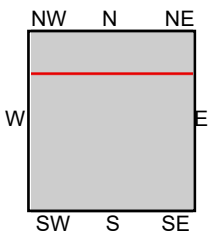
TP, Lihue, 2013, 7.5-minute  
N, Kapaia, 2013, 7.5-minute

**SITE NAME:** Hardy-Oxford Waterline, Kuhio Highway  
**ADDRESS:** Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766  
**CLIENT:** Environmental Risk Analysis. LLC





This report includes information from the following map sheet(s).

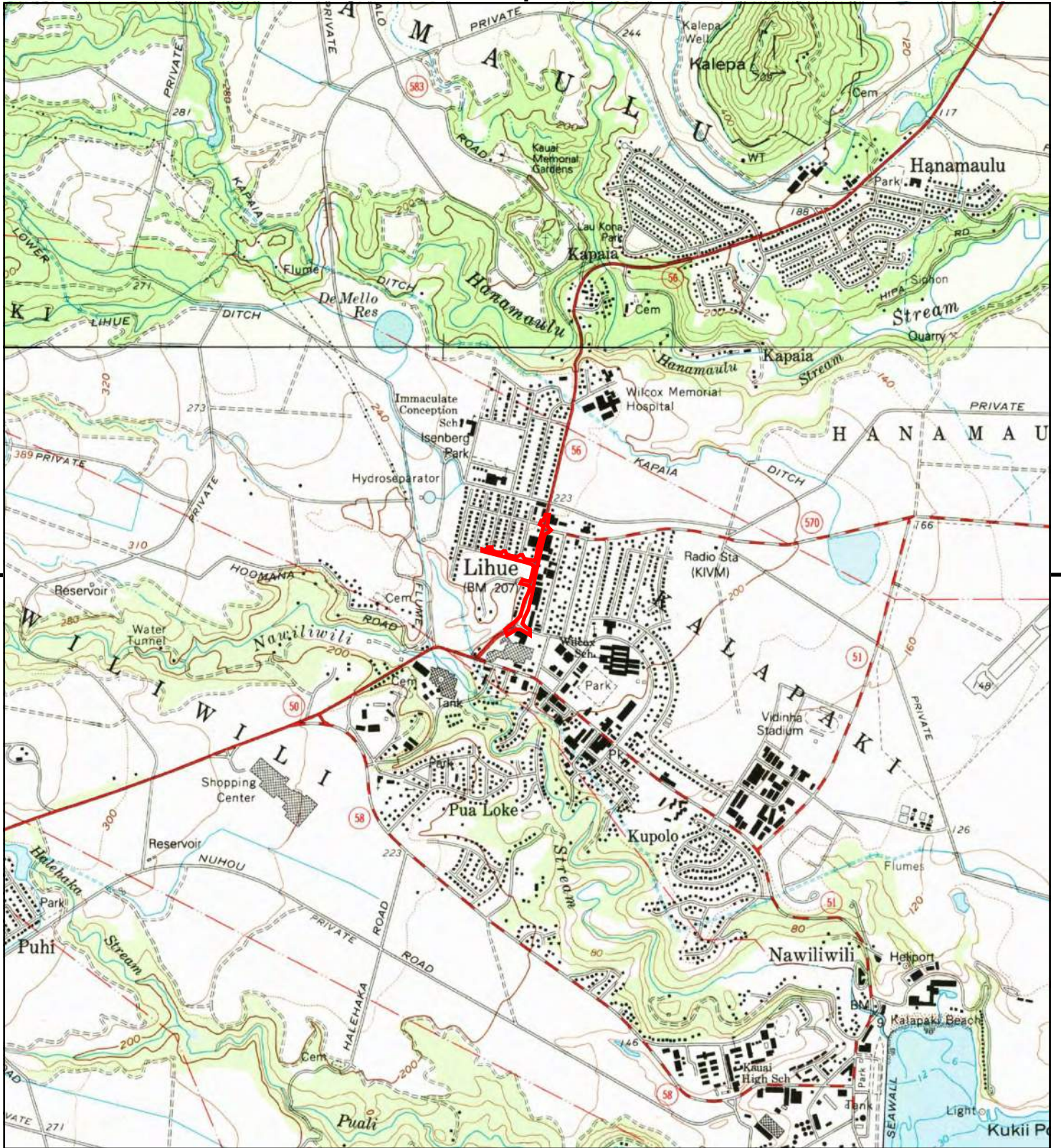


TP, LIHUE, 1996, 7.5-minute  
N, Kapaia, 1996, 7.5-minute

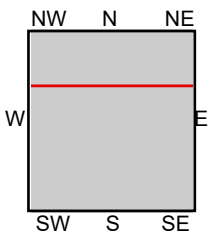
**SITE NAME:** Hardy-Oxford Waterline, Kuhio Highway  
**ADDRESS:** Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766  
**CLIENT:** Environmental Risk Analysis. LLC







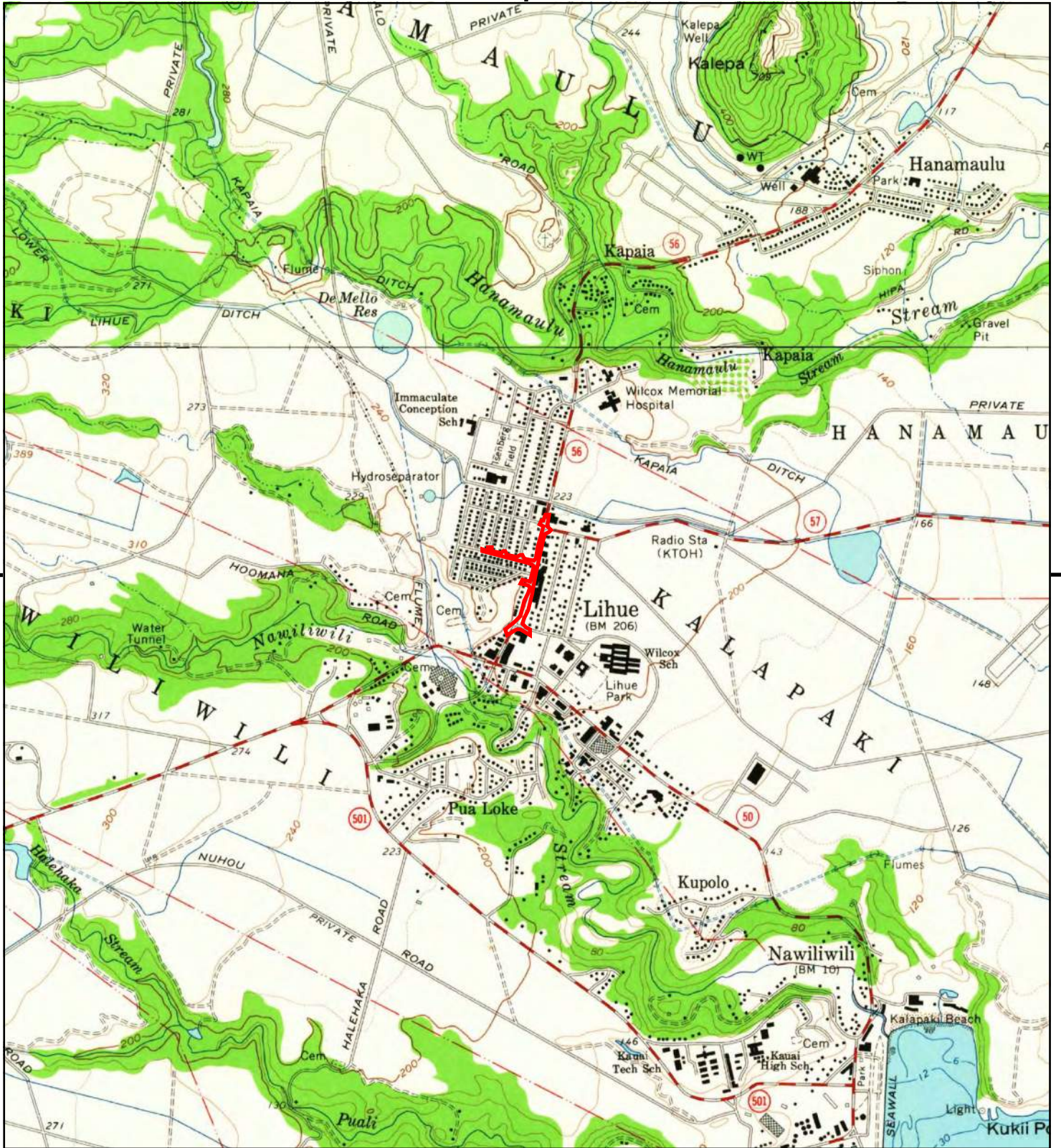
This report includes information from the following map sheet(s).



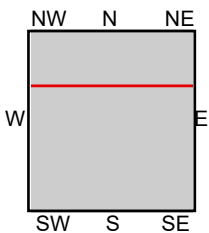
TP, Lihue, 1983, 7.5-minute  
N, Kapaa, 1983, 7.5-minute

**SITE NAME:** Hardy-Oxford Waterline, Kuhio Highway  
**ADDRESS:** Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766  
**CLIENT:** Environmental Risk Analysis. LLC





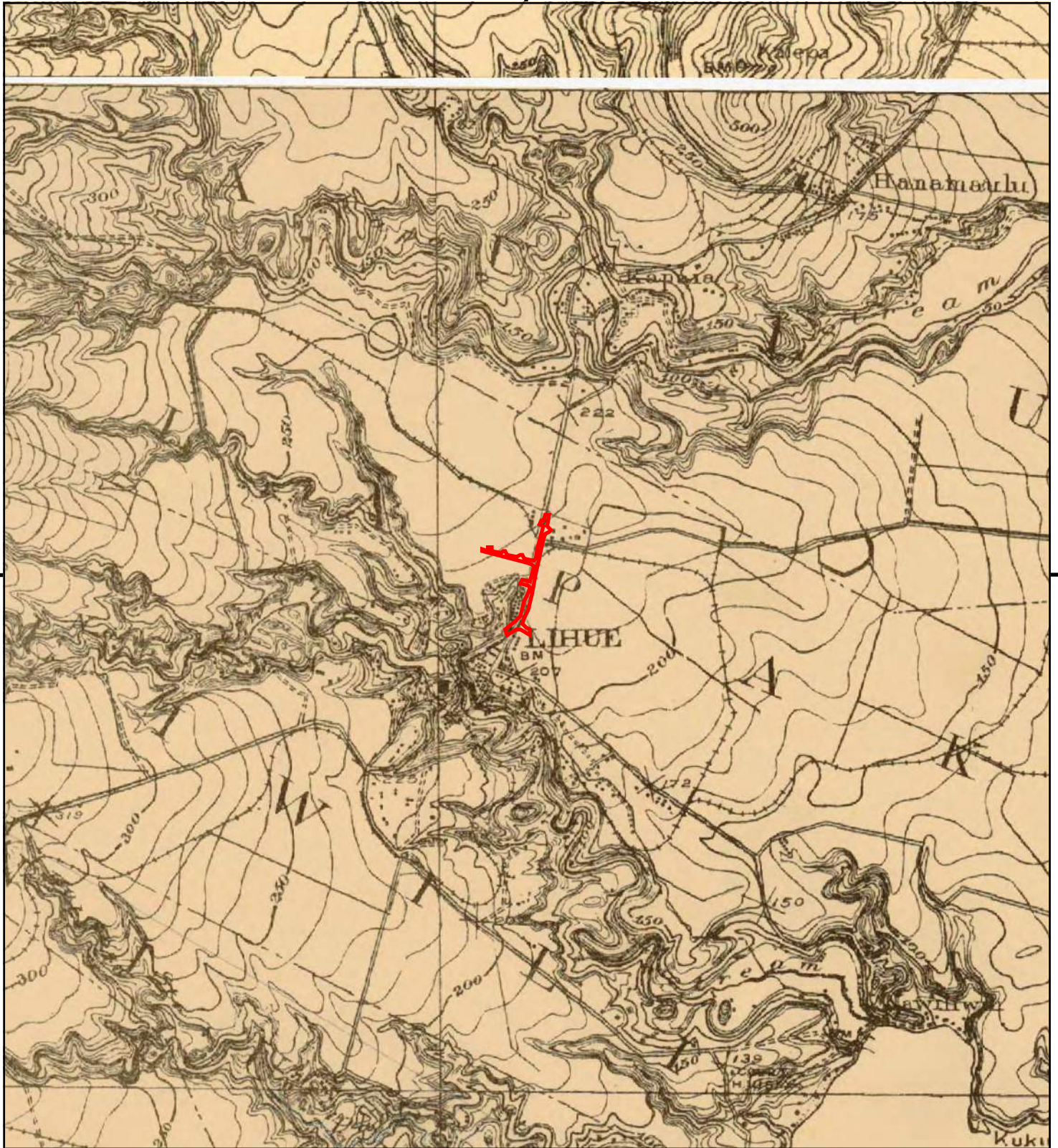
This report includes information from the following map sheet(s).



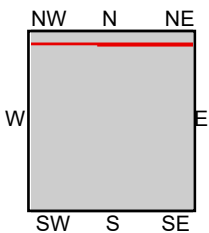
TP, Lihue, 1963, 7.5-minute  
N, Kapaia, 1963, 7.5-minute

SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766  
CLIENT: Environmental Risk Analysis. LLC





This report includes information from the following map sheet(s).



TP, LIHUE, 1910, 7.5-minute  
N, KAPAA, 1910, 7.5-minute

**SITE NAME:** Hardy-Oxford Waterline, Kuhio Highway  
**ADDRESS:** Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766  
**CLIENT:** Environmental Risk Analysis. LLC





## **Hardy-Oxford Waterline, Kuhio Highway**

Hardy-Oxford Waterline, Kuhio Highway

Lihue, HI 96766

Inquiry Number: 6066289.8

May 18, 2020

# The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

05/18/20

**Site Name:**

Hardy-Oxford Waterline, Kuhio  
Hardy-Oxford Waterline, Kuhio  
Lihue, HI 96766  
EDR Inquiry # 6066289.8

**Client Name:**

Environmental Risk Analysis. LLC  
905A Makahiki Way  
HONOLULU, HI 96826  
Contact: Max Ulloa



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

## Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1992	1"=500'	Flight Date: September 30, 1992	USGS
1978	1"=500'	Flight Date: January 11, 1978	USGS
1975	1"=500'	Flight Date: July 15, 1975	USGS
1960	1"=500'	Flight Date: December 16, 1960	USGS
1959	1"=500'	Flight Date: March 03, 1959	USGS
1951	1"=500'	Flight Date: January 19, 1951	USGS

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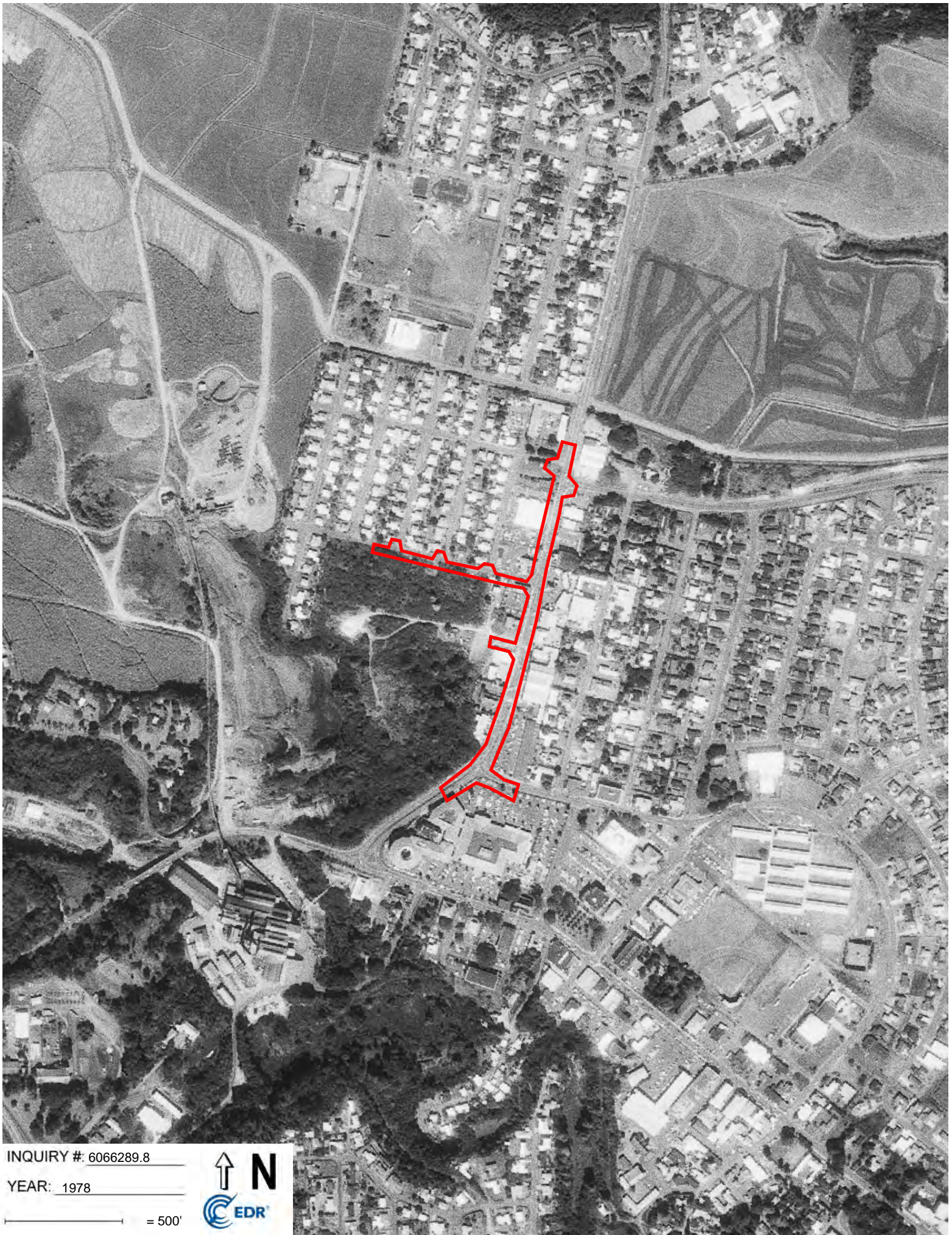
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INQUIRY #: 6066289.8

YEAR: 1978

— = 500'





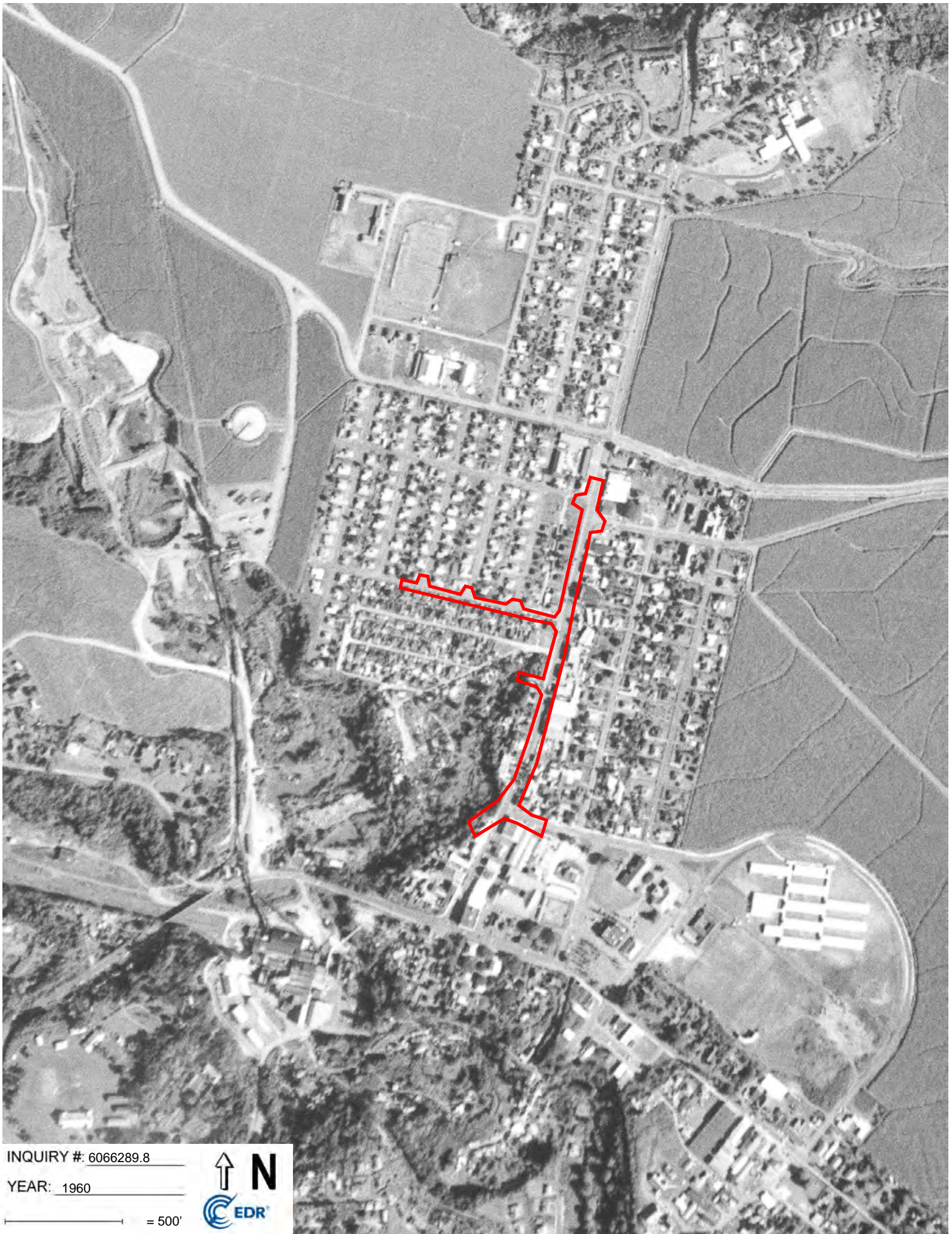
INQUIRY #: 6066289.8

YEAR: 1975

— = 500'





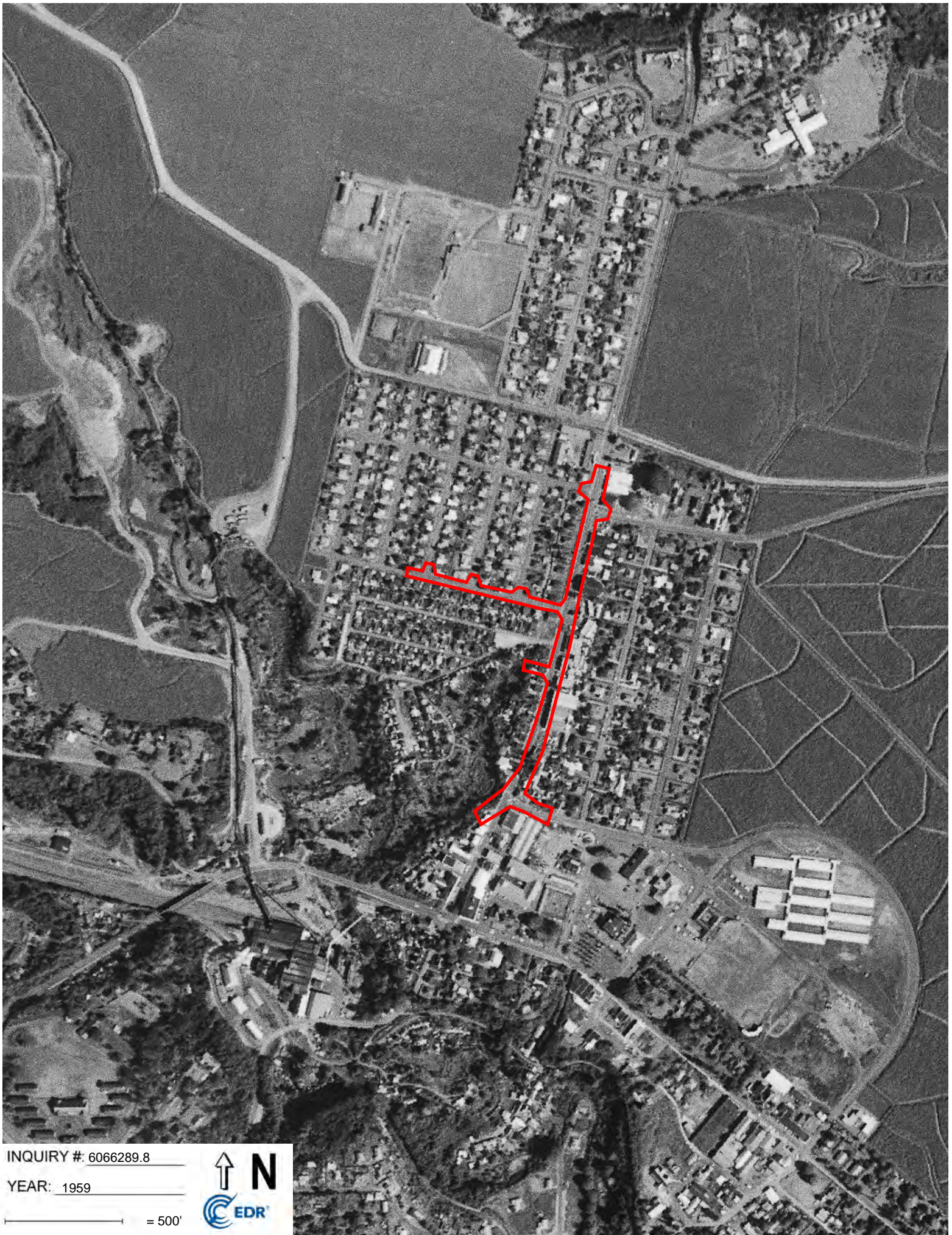


INQUIRY #: 6066289.8

YEAR: 1960

— = 500'



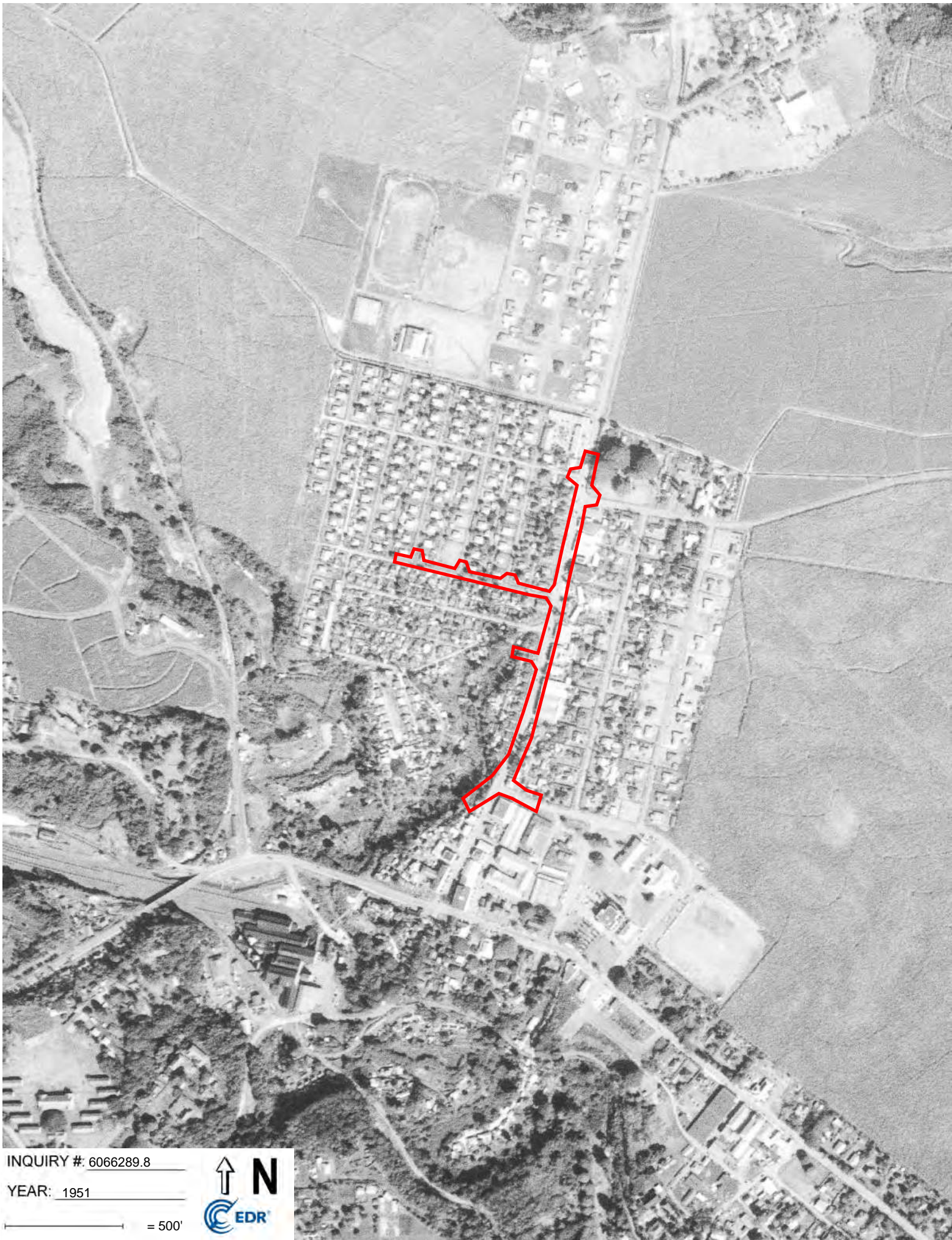


INQUIRY #: 6066289.8

YEAR: 1959

— = 500'





INQUIRY #: 6066289.8

YEAR: 1951

— = 500'



**Hardy-Oxford Waterline, Kuhio Highway**

Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766

Inquiry Number: 6066289.5  
May 19, 2020

# The EDR-City Directory Image Report

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Executive Summary

Findings

City Directory Images

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

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive

## FINDINGS

### TARGET PROPERTY STREET

Hardy-Oxford Waterline, Kuhio Highway  
Lihue, HI 96766

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### KUHIO HWY

2017	pg A2	EDR Digital Archive
2014	pg A5	EDR Digital Archive
2010	pg A11	EDR Digital Archive
2005	pg A17	EDR Digital Archive
2000	pg A22	EDR Digital Archive
1995	pg A26	EDR Digital Archive
1992	pg A29	EDR Digital Archive

## FINDINGS

### CROSS STREETS

No Cross Streets Identified



## **City Directory Images**



-

**KUHIO HWY 2017**

3100 EMPLOYMENT SERVICE DIVISION  
 WORKWISE  
 3137 THE GARDEN ISLAND  
 3155 PARADISE SERVICE  
 3160 NO 3  
 3257 ENTERPRISE RENTACAR  
 3420 KAUAI MEDICAL CLINIC  
 32600 TACO DEL MAR  
 33093 THE RED HIBISCUS & GIFTS  
 33100 AMERIGAS  
 BANDWAGON STUDIOS  
 CALVARY CHAPEL  
 KAUAI EYE CARE  
 KAUAI HUMANE SOCIETY THRIFT SHOP  
 LIBERTY TAX SERVICE  
 33113 MCDONALDS  
 33122 HAWAII BEHAVIORAL HEALTH  
 KAMAAINA HEALTH SERVICES  
 KCL BBQ & CHINESE  
 RENTACENTER  
 ROVER THE RAINBOW  
 SKINTIQUE  
 SUBWAY  
 SUBWAY THE LIHUE  
 VIM N VIGOR  
 33134 LIHUE MINI STORAGE  
 33142 KAUAI PASTA  
 33152 7ELEVEN  
 33155 SPEEDIE LUBE  
 33160 NO 1 CHINESE BBQ RESTAURANT  
 33171 PIZZA HUT  
 33178 ALOHA PETROLEUM  
 KAUAI HUMANE SOCIETY THRIFT SHOP  
 PAYDAY LOAN STORE INC  
 SHELL  
 33194 HAWAII AFFORDABLE PROPERTIES INC  
 33212 KAUAI COMMUNITY MENTAL HEALTH CENTER  
 33215 ISLAND HOUSE & HOME  
 SINGER SEWING CENTER OF KAUAI  
 TWO FROGS HUGGING  
 33222 KAUAI FLOORING & INTERIORS  
 33227 GIFTS OF KAUAI  
 33229 KFC  
 33257 ACCELERATED SPORTS NUTRITION  
 33277 AT&T  
 33295 ALAN ING DDS KAUAI DENTAL CARE  
 CARPENTERS UNION LOCAL 745  
 KUHIO MEDICAL CENTER  
 LIFEWAY PHARMACY  
 QUEENS HEALTH CARE CENTERS

## KUHIO HWY 2017 (Cont'd)

33300	JACKSON HEWITT MCDONALDS REDBOX WALMART WALMART CONNECTION CENTER
33311	DARYL DOBAHSI ATTY I & L RENTALS I & L RENTALS LLC KAUAI VACATION RENTALS & REAL ESTATE
33343	THE FISH EXPRESS
33359	KUHIO PEDIATRIC DENTAL
33367	APTITUDE HABILITATION SERVICES OHANA PACIFIC MANAGEMENT COMPANY INC STAY AT HOME HEALTHCARE SERVICES UNITED STATES GOVERNMENT
33400	ANGELS TOUCH MASSAGE GALIZA VILLAMOR REV SUN VILLAGE KAUAI
33420	GARDEN ISLE HEALTH CARE GEMS CLINICAL SERVICES KAUAI MEDICAL CLINIC LIHUE PHARMACY GROUP LIHUE PROFESSIONAL PHARMACY
33551	KAPAIA STITCHERY INC KAPAIA STITCHERY THE
33586	SIGN ART
33596	AUTO STYLIN & PERFORMANCE
33601	FOX RENTACAR
34051	ASI RACEWAY HAMCO GLASS & GLAZING LLC ISLAND METALS ISLAND METALS INC MORALES AUTO WORKSHOP VOLVO
34131	ITC WATER MANAGEMENT
34221	ISLAND LOVE
34251	GARDEN ISLAND INSURANCE HANAMAULU TRADING CO JOAQUINA ANTIQUES KAUAI ACCOUNTING RESOURCE SWEET MARIES HAWAII INC
34280	BEAU HAIR DESIGN BELLA DIA BEAUTY BOUTIQUE DANDIS SERVICE HANAMAULU SERVICE PRUDENTIAL SHELL
34301	ARAS SAKANAYA EDWARD JONES PLAZA LAUNDRY

**KUHIO HWY 2017 (Cont'd)**

34340 7ELEVEN  
34567 ROBERTS HAWAII  
34684 KAUAI FRUIT & FLOWER CO  
35350 ACE OF CLUBS  
OVER PAR  
WAILUA PRO SHOP  
35351 24 HR BAIL BONDS  
STATE OF HAWAII  
35920 ASTON ALOHA BEACH HOTEL  
41105 CENTRAL PACIFIC BANK  
55190 TRESOR RARE

## KUHIO HWY 2014

34	VANDERMEULEN, DERRICK
57	DEROHAN, DANIEL P GILBERT, CRAIG RAMSEY, AMBER
3100	EMPLOYMENT SERVICE DIVISION JOB SERVICE WORKWISE
3134	TURNER, MARSHALL
3137	THE GARDEN ISLAND
3142	KAUAI PASTA
3155	PARADISE SERVICE
3400	LLOYD, TODD C PALMER, PAUL S PEREZ, MARIO G TIMMONS, THOMAS G
3420	KAUAI MEDICAL CLINIC OCCUPANT UNKNOWN, WILCOX MEMORIAL HOSPITAL
4771	TUTTI FRUTTI
33000	DISH NETWORK
33093	RED HIBISCUS & GIFTS THE
33100	CALVARY CHAPEL LIHUE KAUAI EYE CARE KAUAI HAND THERAPY LLC KAUAI HUMANE SOCIETY THRIFT SHOP SCHILLER STAN J DR STATE OF HAWAII GOVERNMENT
33113	MCDONALDS
33122	FIRST MONEY CENTER HARDWARE GUYS INC HAWAII BEHAVIORAL HEALTH KAUAI BOBA DRINK KCL BBQ & CHINESE OHANA HEARING CARE RENTACENTER ROVER THE RAINBOW SKINTIQUE SUBWAY LIHUE UNITED STATES GOVERNMENT VIM N VIGOR
33134	AQUI, CHRISTINA CAMPANIANO, WENDY L FRIENDSHIP CABINET & GRANITE LIHUE MINI STORAGE
33152	7ELEVEN
33155	SPEEDIE LUBE
33160	NO 1 CHINESE BBQ RESTAURANT
33171	PIZZA HUT
33178	AARP KAUAI ALOHA PETROLEUM

## KUHIO HWY      2014      (Cont'd)

33178	ARKOS METALS & PAWN PAYDAY LOAN STORE INC
33187	CHEVRON CHEVRON STATION LIHUE LIHUE CHEVRON
33194	APO, NATHAN W BERTRAND, BILL BURKE, THOMAS A CHANG, ROBERT A DOMINGO, ERNEST DUNAGAN, TOM HAFERKAMP, DENNIS HAWAII AFFORDABLE PROPERTIES HAWAII AFFORDABLE PROPERTIES INC IM, BYONG KABELMAN, ALBERT KANESHIGE, MORRIS N LEONARD, NICK RELACION, CHRISTOPHER SASAKI, ELEANOR I WELCH, RICHARD L WINN, FLOYD R
33204	A TOUCH OF ELEGANCE SALON
33212	KAUAI COMMUNITY MENTAL HEALTH CENTER
33215	BICYCLE JOHN DISCOUNT FABRIC WAREHOUSE DRAPE & BLIND DESIGN ISLAND HOUSE & HOME PARTY WONDERLAND SINGER SEWING CENTER OF KAUAI
33222	SUNSHINE HELICOPTERS
33227	GIFTS OF KAUAI
33229	KFC
33252	HILO HATTIE HILO, HATTIE
33277	AT&T AT&T MOBILITY
33295	CARPENTERS UNION LOCAL 745 DIAGNOSTIC LAB ING ALAN J DDS LLC KUHIO MEDICAL CENTER LIFEWAY PHARMACY QUEENS HEALTH CARE CENTERS
33300	MCDONALDS VZW AT WALMART 02308 LIHUE WALMART WALMART CONNECTION CENTER
33311	DOBASHI DARYL ATTY KAUAI VACATION RENTALS & REAL ESTATE
33319	OCCUPANT UNKNOWN,

## KUHIO HWY 2014 (Cont'd)

33327 GUSMAN, SEAN G  
 OCCUPANT UNKNOWN,  
 33343 FISH EXPRESS THE  
 KIRSTE, DREW  
 33353 MARUGAME D PLUMBER  
 REYES, SARAH  
 33359 ALOHA ISLAND PROPERTIES  
 OCCUPANT UNKNOWN,  
 33367 STAY AT HOME HEALTHCARE SERVICES  
 UNITED STATES GOVERNMENT  
 VA PRIMARY CARE CLINIC  
 VA VET CENTER  
 33385 OCCUPANT UNKNOWN,  
 33399 OCCUPANT UNKNOWN,  
 33400 ALOHA CHURCHASSEMBLY OF GOD  
 ALVES, MELVYN L  
 APO, LAMBERT  
 ARNETT, VIVIAN  
 BADOYEN, COLEEN K  
 BEER, LINDA M  
 BERNARD, SUZANNE J  
 BICKEL, PHILIP  
 BUTLER, NANNETTE G  
 CANDELA, JOSEPH J  
 CAPENER, CHARLES D  
 CARLE, ROSA L  
 CHUNG, HOLLACE V  
 CLAPHAM, CHRISTOPHER L  
 COOK, NELLIE T  
 COOPER, SCOTT  
 COUTU, RHODA L  
 CRITES, RICHARD E  
 DALEY, MARION M  
 DEGRACIA, AMOROSA  
 DUHRKOOP, KATYA  
 EMBERSON, HELEN D  
 FOSTER, DORIS A  
 GALIZA VILLAMOR REV  
 GALIZA, VILLAMOR C  
 GARRISON, ISELA A  
 GENTILE, RONALD A  
 GRAHAM, DONALD  
 GUZY, CAROL  
 HARSELL, PATRICIA V  
 HASEGAWA, BRIAN  
 HERRING, MARY E  
 JACKSON, SCOTT W  
 JENNEY, JOYCE M  
 JOHNSEN, DANIEL J  
 JOHNSON, SANDRA B

## KUHIO HWY      2014      (Cont'd)

33400	KAWAGUCHI, HATSUKO K KNAPP-THUENTE, ANNA KO, BLOSSOM LANGAN, JOAN M LENCI, ROBERT E LESLIE, SHARON Y LINDEN, RICHARD C LITTMANN, PAUL D LOZITO, VIOLA D MAJERS, SHERRY MCGILL, JOHN W MCLOUD, TERRELL W MOORE, BETTY J MOOY, CHERIE A MORRISON, MAUREEN W NATATSUKA, HISASHI NEWMAN, JOHN W NORTON-VOLK, JOANNE M O'BRIEN, THOMAS A OHMAN, FRANCES O POLITZER JAY ROESCH, D ROMERO, WINOMA B RULL, HARRY H SAULIBIO, LEONORA R SAYED, HANNA SHEREMETA, JANET I SIMPSON, PATRICIA L SMITH, DAVID M SPARKS, NED A STEPHENS, KRISTI M SUN VILLAGE OFFICE SUNADA, DONALD T TAYLOR, ATLEE A TAZELAAR, SALLY E THEISS, CAROLE TIFFANY, CLEDA H TROTT, MARIE B VALENTIN, LUCIA B WADAHARA, LILLIAN WADE, LORIN P WATSON, JOSIE L WHITMER, LOYA A WILSON, PATRICIA E WREED, NIKO H ZAKULA, NICK N
33409	OCCUPANT UNKNOWN,
33420	ABOYOUSSEF MOHAMED MD WILCOX HEALTH CLINICAL LABORATORIES OF HAWAII LLP GARDEN ISLE HEALTHCARE & REHABILITAT



## KUHIO HWY 2014 (Cont'd)

33420 GEMS CLINICAL SERVICES  
 KAUAI MEDICAL CLINIC  
 KAUAI MEDICAL CLINIC ANSWERING SERVI  
 LIHUE PROFESSIONAL PHARMACY  
 WILCOX MEMORIAL HOSPITAL  
 33516 ASTROLOGIO, FREDERICO F  
 33520 PAJELA, JOEY A  
 33541 CARLSON, GINGER C  
 33551 KAPAIA STITCHERY INC  
 KAPAIA STITCHERY THE  
 33584 MACADAMIA, JENNIFER  
 33586 SIGN ART  
 33590 CORTEZ, CINDY  
 MAKANEOLE, NAOMI C  
 33596 AUTO STYLIN & PERFORMANCE  
 33601 SILVAS MEMORIALS  
 33675 PIA, JOSHUA K  
 33716 SILVAS KEN AUTO BODY SHOP  
 33810 HASEGAWA, BRIAN K  
 33820 BERNABE, BENJIE  
 33830 RIOPTA, VIOLETA A  
 33910 LARDIZABAL, MARY M  
 33934 ESTRADA, JOSE L  
 33974 OCCUPANT UNKNOWN,  
 33984 YADAO, VILLIAMOR E  
 33994 PUMARAS, ULPIANO B  
 34002 ACOB, NOEL C  
 34012 MIYAKE, L  
 34020 YAMAMOTO, REBECCA  
 34032 IWAMOTO, KYLE P  
 34051 ASI RACEWAY  
 HAMCO GLASS & GLAZING LLC  
 I & L RENTALS LLC  
 MORALES AUTO WORKSHOP  
 34070 OCCUPANT UNKNOWN,  
 34100 PHILLIPS, RICKIE O  
 34131 ITC WATER MANAGEMENT  
 34200 KELIUKUPAKAKO, TORI  
 RITTENHOUSE, BRENDAN  
 34221 ISLAND LOVE  
 KAUAI BACK COUNTRY ADVENTURES  
 KAUAI FRAME  
 34240 WHITFIELD, BRITT  
 34251 JOAQUINA ANTIQUES  
 TJ VARIETY & VIDEO PRODUCTS  
 34280 BELLA DIA BEAUTY BOUTIQUE  
 DANDIS SERVICE  
 HANAMAULU SERVICE  
 MORIOKA MARK  
 PRUDENTIAL

**KUHIO HWY 2014 (Cont'd)**

34301 ARAS SAKANAYA  
EDWARD JONES FINANCIAL ADVISOR RU  
34340 7ELEVEN  
34449 PUNDYKE, SHAWN  
34684 KAUAI FRUIT & FLOWER CO  
35350 ACE OF CLUBS  
DORNOCH  
OVER PAR  
WAILUA PRO SHOP  
35351 KAUAI COMMUNITY CORRECTIONAL CENTER  
41105 CENTRAL PACIFIC BANK  
51103 MARSTON, NANEA  
55088 COLDWELL BANKER

## KUHIO HWY 2010

101	PLAZA LAUNDRY
3100	UNEMPLOYMENT INSURANCE DIV
3113	MC DONALDS
3122	WELLS FARGO FINANCIAL
3134	TAYLOR, PEGGY L UNITED CARE USA HAWAII
3137	KAUAI BEACH PRESS
3178	AARP KAUAI
3215	GAMMIE HOMECARE
3252	HILO HATTIESTORE OF HAWAII
3319	TAMURA, MASAO S
3343	FISH EXPRESS
3353	D MARUGAME PLUMBER
3367	DUVAUCHELLE DOUGLAS A MD VETERAN ADMINISTRATION CLINIC
3377	ARRUDA, HENRY
3400	BARTELS, FAY L CAMERON, HELEN NERELL, THOMAS W PALMER, PAUL S
3420	OCCUPANT UNKNOWN, WILCOX HOSPITAL AUXILIARY
5053	THURSDAY HUI INC
33093	RED HIBISCUS & GIFTS
33100	KAUAI EYE CARE KAUAI HUMANE SOCIETY THRIFT KAUAI INTAKE SVC CTR KCLBBQ DRIVE INN PUBLIC SAFETY DEPT TONY & HARRYS PIZZA PASTA WORKFORCE DEVELOPMENT DIV
33122	FIRST HORIZON HOME LOANS HAWAII BEHAVIORAL HEALTH SVC RENTACENTER SKINTIQUE SUBWAY US ARMY RECRUITING VIM N VIGOR VIM, N V
33134	AQUI, CHRISTINA LIHUE MINI STORAGE
33152	7ELEVEN
33155	PENNZOIL LUBRICANTSKAUAI
33160	NO 1 CHINESE BBQ RESTAURANT
33171	PIZZA HUT
33178	KIRBY CO M & P LEGAL SUPPORT SVC LLC
33187	CHEVRON HAWAII
33194	AYRES, JAMES C BERTRAND, BILL

## KUHIO HWY 2010 (Cont'd)

33194 IM, BYONG  
 MAKANEOLE, CONCEPCION B  
 RELACION, CRISPIN A  
 SAFLOR, NATIVIDAD L  
 SASAKI, ROGER A  
 VANCE, FREEDA  
 33204 A TOUCH OF ELEGANCE SALON  
 KAUAI FAMILY GUIDANCE CTR  
 33212 KAUAI MEDICAL CLINIC  
 33215 BICYCLE JOHN  
 BICYCLE, JOHN  
 DISCOUNT FABRIC WAREHOUSE  
 SINGER SEWING CTR OF KAUAI  
 TWO FROGS HUGGING  
 33222 HAWAII PORTER SVC AIRPORT STGE  
 33229 KFC  
 RED DIRT & TEAL SEAS  
 33252 MAUI DIVERS JEWELRY  
 33277 AT&T STORE  
 33295 ALAN J ING LLC  
 CARPENTERS UNION LOCAL  
 DIAGNOSTIC LABORATORY SVC  
 KAUAI MEDICAL CLINIC  
 QUEENS HEALTH CARE CTR  
 33300 MC DONALDS  
 WALMART  
 33311 DOBASHI DARYL  
 33319 OCCUPANT UNKNOWN,  
 33327 GUSMAN, SEAN  
 OCCUPANT UNKNOWN,  
 33343 MARUYAMA ASSOCIATES INC  
 33353 OCCUPANT UNKNOWN,  
 33359 ALOHA ISLAND PROPERTIES  
 SATO, LOVENA K  
 33367 ROGERS CHARLES A MD  
 US VETERANS AFFAIRS DEPT  
 V A VET CTR  
 33399 OCCUPANT UNKNOWN,  
 ORTIZ, KATIE  
 33400 ALEXANDER, JEAN H  
 ANGELS TOUCH MASSAGE  
 AUSTIN, ATLEE A  
 BEER, ROGER P  
 BERNARD, SUZANNE J  
 BUTLER, NANNETTE G  
 CAMERON, H  
 CAMPBELL, HAROLD J  
 CANDELA, JOSEPH J  
 CAPENER, MARIE D  
 CARLE, GLORIA R

**KUHIO HWY 2010 (Cont'd)**

33400 CHILDERS, JUDY K  
CHRISTIAN, A  
CHUNG, HOLLACE V  
CULVER, C  
DALEY, MARION M  
DEAL, ROBERLEIGH  
DONALD, CATHY V  
DUHRKOOP, KATYA  
EDMUNDSON, LAURIE A  
EMBERSON, HELEN D  
FIX, ALICE M  
FOSTER, DORIS J  
GABEL, MELVIN L  
GARRISON, ISELA A  
GATES, KATHRYN  
GIARMAN, MURIEL  
GILDAY, PAUL A  
HAMILTON, PHYLLIS N  
HARSELL, P  
HOLBROOK, JIM  
JENNEY, JOYCE M  
JOHNSON, MARC B  
KAWAGUCHI, HATSUKO  
KLECKNER, FRANK B  
KO, BLOSSOM  
KOCEK, KARL  
LANGAN, JOAN M  
LEE, ROBERT E  
LESLIE, SHARON Y  
LESTER, JAMES R  
LEWIS, PETER  
LINDEN, RICHARD C  
LINS, CHARLES K  
LLOYD, ELLIE B  
LUCAS, JOHN J  
LYNDEN, C  
MACKAY, MARJORIE E  
MANDEL, HENRY R  
MCDOUGALL, SHIRLEY A  
MCGILL, JOHN W  
MCGUIGAN, JOHN M  
MICHAELS, KEREN J  
MIELKE, DORIS L  
MOORE, BETTY J  
MORGAN, NANCY K  
MORSE, JOHN W  
MOTIL, J  
NAKAAHIKI, SHARON A  
NEWMAN, JOHN W  
NICHOLS, PENNY

## KUHIO HWY      2010      (Cont'd)

33400	NISHITA, ELEANOR C NOLAN, MARY E OBRIEN, ALLEN OHMAN, FRANCES O OTSUBO, HARUKO I PARKER, ALICE M POLITZER JAY ROESCH, D ROMERO, ROBERT SADLOWSKY, JOHN E SAULIBIO, LEONORA R SAYED, HANNA A SHEREMETA, JANET SMITH, DAVID M SMITH, LOU SPARKS, NED A STAVE, JOSEPH L SUN VILLAGE KAUAI TASHIMA, JOYCE O THOBE, RUTH D THUENTE, ANNA L TROTT, MARIE B VALDEZ, CHARLES B VALENTIN, ADELIN WADE, LORIN WHITFIELD, BRITT WHITMER, LOYA A WILLETT, PATRICIA WILSON, PATRICIA E ZINS, MICHAEL E
33409	OCCUPANT UNKNOWN,
33420	BODENSTAB WILLIAM E MD CHEN RICHARD MD CHEN ROY MD CHING SHANNON Y CHOY GALEN C MD CLINICAL LABORATORIESHAWAII DENNY EILEEN MD DIAMANT MICHAEL MD GARDEN ISLE HEALTH CARE HEALTH MANAGEMENT PROGRAM HEBERT LORA MD HOFFMAN PAUL G MD JORDAN CHRIS MD KAUAI MEDICAL CLINIC KEITH STEPHEN MD LIHUE PROFESSIONAL PHARMACY LIU RANDAL J MD MAUPIN MARGHEE PHAR MERICA

## KUHIO HWY      2010      (Cont'd)

33420	SEROTA ARNOLD I MD SO ANDREW U DO SPLITTSTOESSER LISA MD WILCOX HOSPITAL FOUNDATION WILCOX MEMORIAL HOSPITAL WILCOX MEMORIAL HOSPSURG
33516	NAEA, MARK A
33520	CORLLC GAYER, ELIZABETH B
33535	SUDETH, E
33541	CARLSON, GINGER C
33560	LIHUE HONGWANJI PRESCHOOL
33584	BRADLEY, GARRETT M
33586	HAWAII ACADEMY OF REAL ESTATE R E3 REAL ESTATE SVC LLC
33590	CORTEZ, DENNIS
33596	AUTO STYLIN & PERFORMANCE
33601	PAPOKO MANAGEMENT SILVAS MEMORIALS
33710	PUNDYKE, ALFRED
33716	KEN SILVAS AUTO BODY SHOP
33820	OCCUPANT UNKNOWN,
33830	RAGASA, YOLANDA R
33934	ESTRADA, JOSE L
33974	OCCUPANT UNKNOWN,
33994	PUMARAS, ULPIANO B
34002	TRAYWICK, JOHN B
34012	MIYAKE, L
34032	IWAMOTO, MELVIN T
34051	AQUA ENGINEERS AVAC ASI RACEWAY HOUSE OF GRANITE & MARBLE MORALES AUTO WORKSHOP TAKATSUKI, ROY
34070	EBINGER, S
34100	PHILLIPS, RICKIE O
34131	ITC WATER MANAGEMENT POIPU FARMS PACKING HOUSE
34170	GOIAS, ERIC E
34200	RITTENHOUSE, GEORGE W
34203	HAWAII PACIFIC HEALTH
34221	OOH BABY
34240	BETTENCOURT, GEORGE A
34251	JMD BEVERAGES LAVERNES HAIRSTYLING US POST OFFICE
34280	HANAMAULU SERVICE CTR PRUDENTIAL INSURANCE CO UNIQUE HAIR DESIGNS
34301	ARAS SAKANAYA

**KUHIO HWY 2010 (Cont'd)**

34301 EDWARD JONES  
REA, RUBEN J  
34340 7ELEVEN  
34567 ROBERTS HAWAII TOURS  
34684 KAUAI FRUIT & FLOWER CO  
35350 WAILUA GOLF COURSE  
WAILUA GOLF SHOP  
35351 KAUAI COMMUNITY CORRECTIONAL  
KAUAI CORRECTIONAL CTR  
54280 FIRESTONE COMPLETE AUTO CARE  
73420 DESAI NIRAJ S MD



## KUHIO HWY 2005

3215	BICYCLE, JOHN
3335	YOSHIOKA, KAYO
3400	VALENTIN, ADELINO P
33093	ALOHA WEAR & GIFT OUTLET
33100	ALU LIKE INC ALU LIKE INC NATIVE HAWAIIAN KAUAI CERTIFIED TROPICALS KAUAI EYE CARE KAUAI HUMANE SOCIETY THRIFT SHOP STAN J SCHILLER DR STATE DEPARTMENT OF LABOR
33122	IN HIS NAME INC KCL BBQ & CHINESE MORNING, GLORY K OHANA HEARING CARE RENT A CENTER SKINTIQUE SUBWAY LIHUE WENDELL NUNES SR INC
33125	BARBIE KENS HAWAIIAN WR FCTR
33134	COVELLO, THOMAS R ELLIS, RAYNARD H KLATTENHOFF, ORA A LIHUE MINI STORAGE OBSCURA, CAMERA RAMOS GROUNDS
33152	7 ELEVEN HAWAII INC
33171	PIZZA HUT RESTAURANTS
33178	KAUAI KIRBY KAUAI METALS & PAWN MONAS NAIL DESIGN
33194	AQUINO, TOSHIE BERTRAND, JOHN S LOPES, LANA L MAKANEOLE, CONCEPCION MILLER, DOUG G PENN, JOSEPH PIWONKA, ROBERT D SAGER, JOSEPH TAYLOR, A UYEMATSU, DORIS H
33204	LOCAL BOY RESTAURANT
33215	BICYCLE JOHN INC DISCOUNT FABRIC WAREHO DRAPE & BLIND DESIGN SINGER SEWING CENTER OF KAUAI TWO FROGS HUGGING
33229	KFC HAWAII RED DIRT & TEAL SEAS
33277	AT & T WIRELESS SERVICES

## KUHIO HWY      2005      (Cont'd)

33277 CYBERTEL  
 SINGULAR WIRELESS LLC  
 33295 CARPENTERS UNION LOCAL  
 DIAGNOSTIC LABORATORY SERVICES INC  
 KUHIO MEDICAL CENTER  
 LILIANE KHENG MD  
 SCIARONI DANIEL M DO  
 WEINER ROBERT S DR  
 33300 MCDONALDS RESTAURANTS  
 33311 DOBAHSI DARYL  
 KAUAI VACATION RENTALS & REAL ESTATE  
 33327 DESILVA, SHIRLYNN  
 GUSMAN, SEAN G  
 33343 I A HALI HAKU AINA LLC  
 IA HALI HAKU AINA LLC  
 33353 NISHIZAWA, FRANCIS K  
 33359 ALOHA ISLAND PROPERTIES  
 ALOHA ISLAND PROPERTIES INC  
 33399 ORTIZ, KATIE  
 33400 ALALEM, MARIA  
 ALLEN, WILLIAM P  
 AUSTIN, ATLEE A  
 BALBARINO, MELITONA C  
 BEEMER, GLORIA L  
 BELL, STEWART S  
 BERNARD, SUZANNE J  
 BLAKE, JOANNA  
 BLOW, LARRY G  
 BRADLEY PACIFIC AVIATION  
 CANDELA, NANCY L  
 CARLE, GLORIA  
 CARR, REGENALD  
 CASHION, JOHN  
 CHILDERS, JUDY H  
 COAN, ED I  
 COOK, NELLIE T  
 COUTU, R L  
 CRAMER, HARRY L  
 DALEY, JUNE  
 DALTON, HOWARD C  
 DUHRKOOP, KATYA  
 DUTRA, MARTHA  
 EILTS, RICHARD H  
 EMBERSON, HELEN D  
 GARRISON, ISELA A  
 GASTINEAU, JERRELL L  
 GUTHRIE, PHYLLIS J  
 HAFERKAMP, DENNIS G  
 HAMILTON, PHYLLIS N  
 HARMON, JAMES

**KUHIO HWY 2005 (Cont'd)**

33400 HAWKINSON, LAWRENCE D  
HELLRIEGEL, DIETER  
HIGASHI, HIDEO  
HUNNEX, MILTON D  
HUSSEY, ANNIE S  
HUTTON, JEAN P  
IRWIN, THOMAS K  
JENSEN, EMILY  
JOHNSEN, DANIEL J  
JOHNSON, MARC B  
JOHNSON, RICHARD  
JOPLING, HOMER A  
JOYCE, KATHRYN  
KANE, THALIA E  
KAWAGUCHI, HATSUKO  
KNAPPTHUENTE, ANNA  
KO, HENRY H  
KOSTIN, JESSE  
LANGAN, JOAN M  
LANGSTROM, ROBERT  
LANIER, S W  
LESLIE, S Y  
LEWIS, PETER  
LINDEN, RICHARD C  
LINS, CHARLES K  
LLOYD, ELLIE J  
LUCAS, JOHN J  
LUNDY, NORMA  
MACKAY, MARJORIE E  
MASAKI, TOM Y  
MCCREADY, RICHARD  
MEASEL, ROBERT C  
MICHELS, WOLFGANG  
MOORE, JOHN H  
MORRISON, EDWIN  
MUSCARELLA, ERIKA A  
NAEA, BERNARD S  
NEWMAN, JOHN W  
NISHITA, ELEANOR C  
NOGGLE, BARBARA  
NOLAN, MARY  
OHMAN, FRANCES O  
PACE, DEANNA  
PARKER, ALICE M  
POLITZER, JAY L  
RICHARDSON, ARTHUR  
ROESCH, D  
ROMERO, ROBERT  
ROSENBERGER, NADINE M  
RUIZ, TIFFANY

## KUHIO HWY 2005 (Cont'd)

33400 RYKER, MARTHA  
 SADLOWSKY, JOHN E  
 SARONITMAN, ANTONIO  
 SAULIBIO, PANTA  
 SAYED, ALFRED  
 SPARKS, NED  
 STAVE, JOSEPH  
 STEPUTIS, ROBERT R  
 TASHIMA, JOYCE O  
 THOBE, RUTH D  
 TROTT, MARIE B  
 WALLER, ROBERT L  
 WARTMAN, MARJORIE A  
 WEINER, PEARL  
 WESTBURG, CORINE  
 WILSON, PATRICIA E  
 WINTERS, DANA S  
 YOSHIMITSU, KAZUTO  
 33409 LOPES, ABRAHAM N  
 33420 GARDEN ISLE HEALTH CARE  
 GARDEN ISLE HEALTHCARE  
 KAREN A RATLIFF MD  
 KAUAI MEDICAL CLINIC  
 MCGREEVY JORDAN DESAI BODENSTEB  
 33516 NAEA, MARK A  
 33520 OCCUPANT UNKNOWN,  
 33535 MANIGOLD, TODD  
 33541 CARLSON, GINGER C  
 33551 KAPAIA STITCHERY THE  
 33560 LIHUE HONGWANJI PRESCHOOL  
 33561 KAPAIA STITCHERY INC  
 OCCUPANT UNKNOWN,  
 33584 OCCUPANT UNKNOWN,  
 33585 RE3 LLC REAL ESTATE SERVICES  
 33586 ALOHA FLOOR COVERING & DRAPERY  
 HAWAII ACADEMY OF REAL ESTATE LLC  
 STANLEY SCOTT MAHAN  
 33710 PUNDYKE, ALFRED  
 33716 SILVAS KEN AUTO BODY SHOP  
 33810 OCCUPANT UNKNOWN,  
 33820 BERNABE, BENJIE  
 33830 RIOPTA, VIOLETA  
 33934 ESTRADA, JOSE L  
 33944 QUINTANAR, ROBERT E  
 33984 KASPAR, DAVID  
 33994 CARVALHO, HAROLD  
 34002 MATZ, BEN  
 34012 MIYAKE, L  
 34020 AKAU, MARY L  
 34051 ASI RACEWAY

**KUHIO HWY 2005 (Cont'd)**

34051 BILL RAPOZO REPAIR  
BRR LLC  
TAKATSUKI, ROY

34070 EBINGER, SUZANNE M

34100 PHILLIPS, RICKIE O

34170 GOIAS, ERIC

34200 MOURA, HOWARD L

34203 WILCOX MEMORIAL HOSPITAL

34221 KAUAI FRAME

34240 BETTENCOURT, GEORGE

34251 JMD BEVERAGES  
SAMPAGUITAS TAKE OUT FOOD

34280 DANDIS SERVICE  
HANAMAULU SERVICE  
MORIOKA MARK  
PRUDENTIAL FINANCIAL  
UNIQUE HAIR DESIGNS

34291 HANAMAULU RESTAURANT TEA HO  
PLAZA LAUNDRY

34301 ARA SAKANAYA  
EDWARD JONES  
REA, RUBEN J

34684 KAUAI FRUIT & FLOWER CO INC  
RUSSELLS BUSINESS ADVERTISING  
RUSSELLS BUSINESS ADVRTSNG

35350 19TH HOLE AT WAILUA  
CODDE GOLF CO THE

**KUHIO HWY 2000**

1191 JACOBS, ROGER  
 3093 EAST WEST IMPORTS  
 3122 BENTO HOUSE THE  
 MGM TRAVEL SERVICE INCORPORATED  
 3125 OKIS DINER AND BAKERY  
 3137 GARDEN ISLAND TNE  
 KAUAI BEACH PRESS ADVERTISING  
 3155 PARADISE SERVICE  
 SPEEDIE LUBE  
 3160 SHAKAS CAFE & DRIVE THRU  
 3178 LIHUE SHELL  
 SECOND TIME AROUND CONSIGNMENT SHOP  
 3187 GARY'S SERVICE INCORPORATED  
 3222 SQUYRES WILL HELICOPTER SERVICE  
 3229 KFC HAWAII LIHUE  
 3252 HILO HATTIE THE STORE OF HAWAII  
 3312 BASKIN ROBBINS 31 FLAVORS ICE CREAM STORES  
 3319 TAMURA, MASAO  
 3343 FISH EXPRESS TNE  
 3353 MARUGAME H PLUMBER INCORPORATED  
 3359 LEGAL AID SOCIETY OF HAWAII  
 3377 ARRUDA, HENRY  
 3399 ORTIZ, KATIE  
 3400 BERTRAND, BILL  
 NAKAMOTO, HATSUKO  
 NISHITA, ELEANOR  
 VALENTIN, ADELINO  
 3417 WATASE, CALVIN S  
 3420 KAUAI MEDICAL CLINIC ANSWERING SERVICE  
 MEDCENTER PHARMACY  
 WILCOX MEML HOSP DIRECT DIAL NUMBERS ADMITTING OFF  
 WILCOX MEML HOSP LONG TERM CARE ADMINISTRATION  
 WILCOX MEML HOSP OUTPATIENT NUTRI & WELLNESS SERVICE  
 WILCOX MEMORIAL HOSPITAL  
 WILCOX MEMORIAL HOSPITAL ADULT DAY CARE OFFICE  
 WILCOX MEMORIAL HOSPITAL CARDIAC REHAB  
 WILCOX MEMORIAL HOSPITAL DOCTOR REFERRALS  
 WILCOX MEMORIAL HOSPITAL EDUCATION  
 WILCOX MEMORIAL HOSPITAL EMERGENCY ROOM  
 WILCOX MEMORIAL HOSPITAL EMPLOYMENT  
 WILCOX MEMORIAL HOSPITAL FOUNDATION OFFICE  
 WILCOX MEMORIAL HOSPITAL GIFT SHOP  
 WILCOX MEMORIAL HOSPITAL PUBLIC RELATIONS  
 WILCOX MEMORIAL HOSPITAL THRIFT SHOP  
 5350 HAWAII STAT GOVERNMENT PUB SAFETY DEPARTMENT OF  
 KAUAI COMMUNITY CORRECTIONAL CENTER  
 33093 ALOHA WEAR & GIFT OUTLET  
 33113 MCDONALDS RESTAURANTS  
 33122 KAUAI EYE CARE  
 33137 KAUAI TIMES CIRCULATION

## KUHIO HWY 2000 (Cont'd)

33142 CAFE KAUAI  
 33152 7 ELEVEN HAWAII INCORPORATED LIHUE  
 33171 PIZZA HUT RESTAURANTS  
 33178 KAUAI, KIRBY  
 33194 GROSSMAN, BETTE  
 TAYLOR, A  
 33204 BACELONIA, SUSAN B  
 33229 RED DIRT & TEAL SEAS  
 33257 CAYETANO BEN FRIENDS OF  
 KAUAI FREIGHT SERVICE INCORPORATED WAREHOUSE  
 33295 DIAGNOSTIC LABORATORY SERVICES ACCUPATH  
 KUHIO MEDICAL CENTER  
 33300 MCDONALDS RESTAURANTS  
 WALMART  
 WALMART PHARMACY  
 33311 DOBASHI DARYL ATTORNEY  
 KAUAI VACATION RENTALS & REAL ESTATE INCORPORATED  
 33327 ANGONE, T B  
 33353 MARUGAME, DEAN  
 33400 AGUEDA, C  
 ASHTON, E R  
 BALBARINO, M  
 BELL, SHIRLEY B  
 BLOOMBERG, M  
 BLOW, LARRY  
 BOSTROM, LILIAN  
 BROWN, JOYCE  
 CAPENER, M D  
 CARVALHO, DANIEL P  
 CASHION, JOHN  
 CHILDERS, JUDY  
 CHILDS, FRANCES  
 COLWELL, H I  
 COOTS, ROSE  
 CROSSLAND, GEORGE  
 CURRY, ROBERT E  
 DALTON, H C  
 DALTON, M  
 DEASE, PETER  
 DEVERNEIL, ELEANOR  
 DOUTT, THOMAS  
 DUHRKOOP, KATYA  
 EMBERSON, ERIC  
 FAIRALL, I  
 FARRIS, EDNA M  
 FAYE, H P  
 FIX, WAYNE  
 FRAZIER, H V  
 GAHRAN, H W  
 GARRISON, ISELA A

## KUHIO HWY 2000 (Cont'd)

33400	GAY, DOROTHY L GERMAN, L GRAY, WILLIAM B GRIFFITHS, O GUTHRIE, PHYLLIS J HAFERKAMP, DENNIS HAMILTON, PHYLLIS M HARMON, JAMES HELLRIEGEL, DIETER HERBERT, LEONARD HUNNEX, MILTON D HUSSEY, ANNIE JOHNSEN, DANIEL JOHNSON, DON KAMOITONO, FUMIE KIM, JAE W KOMORI, ARTHUR LEE, ROBERT E LINDEN, R MACKAY, M E MANLEY, WALLACE J MCGILL, JOHN W MITCHELL, CHARLES MOORE, JOHN MORGAN, JAMES A NEWMAN, JOHN W OHMAN, FRANCES O RICHARDSON, ARTHUR ROESCH, J A ROMERO, ROBERT SAYED, ALFRED SCOTT, R F SCOTTY TAXI SERRA, DANNY SHEN, RICHARD SHEREMETA, NICK STEVENS, JAMES SUN VILLAGE KAUAI TASHIMA, J TELLES, CLEMENT WEBER, L WEINER, PEARL WHITE, JEWELL WILDMAN, DOROTHY WRABLE, LES
33409	LOPES, ABRAHAM
33561	KAPAIA STITCHERY THE
33586	KAPAIA TRADING COMPANY
33596	ANDYS AUTO BODY
33601	SILVAS MEMORIAL HAWAII MONUMENT COMPANY



## KUHIO HWY 2000 (Cont'd)

33601	WAILUA FALL GALLERY THE
33604	OGLE, JOHN
33675	DIXON SERVICE INCORPORATED
33684	BREATH OF LIFE CALVARY CHAPEL
33716	SILVA'S KEN AUTO BODY SHOP
33820	FERRER, CALIXTO
33830	RAGASA, YOLANDA
	RIOPTA, CASTOR
	TUMANENG, ROBERT T
33934	ESTRADA, JOSE L
33944	HAIR RAZORS
34002	HAWAIIAN BUILDING MAINTENANCE COMPANY LIMITED
34012	MIYAKE, L
34070	EBINGER, GARY
34200	MOURA, HOWARD
34227	NICHOLAS, PABLO
	RAPOZO, RALPH
34240	BETTENCOURT, GEORGE
34251	GARDEN ISLAND OXYGEN
	HANAMAULU BAY NUTRITION
	HUNT, JOHN
	KAUAI FRAME
	SAMPAGUITA'S TAKE OUT FOOD
	SPIES, JIM
34280	CELEBRADO, JULIE
	DANDIS SERVICE
	HANAMAULU SERVICE
34301	KARAOKE KLUB
34340	7 ELEVEN HAWAII INCORPORATED HANAMAULU
34684	KAUAI FRUIT & FLOWER COMPANY
35351	FAIRWAY KAUAI BAR & GRILL
41296	TRPCL TANTRUM KAUAI MARRIOTT RESORT & BCH CLUB
46151	MDWS GOLD DAIRIES INCORPORATED KAUAI BR BUS OFFICE
56684	RODRICK, RICHARD
57094	NISHIMOTO, JACK
57130	MCGREGOR, MARY E
57331	BLAIR, BEAU
57491	BASHKIREW, NIKOLAI
58091	GOODALE, H W
58101	GOODALE, N
58176	CLIFFORD, MICHAEL
58192	MOORE, HOWARD H
415268	MENTZER, DAVID

## KUHIO HWY 1995

2101	GREEN, L
2950	LEARNED, NANI
3093	EAST WEST IMPORTS
3100	AESTHETIX
	BENEFICIAL HAWAII INC
	DOMINOS PIZZA
	EMPLOYMENT SERVICE
	HUMAN SERVICES DEPT
	KAUAI INTAKE SVC CTR
	PAROLING AUTHORITY
	UNEMPLOYMENT INSURANCE
3112	MGM TRAVEL SVC INC
3122	BENTO HOUSE
	CRANE EYE CARE
	CRANE EYE CARE OPTICAL
	HAWAII OFFICE OF VETERANS SVC
	MAUI POWER TOOL SVC
	NORTH AMERICAN MORTGAGE CO
	NORWEST FINANCIAL CORP
	NUTRI SYSTEM WEIGHT LOSS CTR
	PHOTO SPECTRUM
	SKINTIQUE
	SUBWAY SANDWICHES & SALADS
	U S BANCORP MORTGAGE CO
3134	LIHUE MINI STORAGE
	STELLTECH INC
3142	BICYCLE JOHN
3155	PARADISE SERVICE
	SPEEDIE LUBE
3160	JACK IN THE BOX
3178	1ST 2ND MORTGAGE CO OF NJ INC
	CRUZADAS VARIETY & VIDEO
	F T SVC
	HAWAII BUILDING & CONSTRUCTION
	HRT LTD
	LABORERS INTERNATIONAL UNION
	LIHUE SHELL
	SECOND TIME AROUND CONSIGNMENT
3187	GARYS SERVICE INC
3204	HIRE
	WAYNES CARPET
3220	CROZIER, WILLIAM H
	CYBERTEL CELLULAR TELEPHONE
3222	ADJUSTERS INTERNATIONAL CORP
	BENNYS BARBER SHOP
	BIG N BEAUTIFUL FASHIONS
	HUNTING SHOP OF KAUAI
	RAYMOND E HOE REALTORS
	TRAVEL CO
3227	ALOHA WEAR & GIFT OUTLET

## KUHIO HWY 1995 (Cont'd)

3229	KFC
3252	HILO HATTIES FASHION CTR
3343	UDACO INC WARRENS ELECTRONIC SVC
3359	H MARUGAME PLUMBER INC
3367	US VETERANS AFFAIRS DEPT V A VET CTR
3420	ALLEN C JOHNSON MD BENJAMIN A HALPREN MD BJORNSKOV, E K DONALD M PACHUTA MD GARY E HRNICEK MD HAWAII PROFESSIONAL AUDIOLOGY KAUAI MEDICAL GROUP KAUAI MEDICAL GROUP INC KOLOA CLINIC MARY G PIXLER MD MICHAEL D JOHNSTON MD PETER M KIM MD ROBERT A NICHOLS MD WILCOX HEALTHLINK WILCOX MEMORIAL HOSPITAL WILLIAM RENTI CRUZ MD
3541	A P DIVERSIFIED SVC
5350	KAUAI COMMUNITY CORRECTIONAL
33100	KAUAI DISCOUNT STORE QUEEN LILIUOKALANI CHILDRENS
33113	MC DONALDS
33122	BASKIN ROBBINS ICE CREAM
33152	7 ELEVEN FOOD STORE
33171	PIZZA HUT
33257	MOKULUA CONSULTANTS INC
33295	ACCUPATH/SMITHKLINE BIO SCI CARPENTERS UNION LOCAL # 745 GARY LATTIMER MD HAWAII FAMILY DENTAL CENTERS HAWAII FAMILY DENTAL CTR HICKS HOMES KUHIO MEDICAL CTR PETER COHEN MD ROBERT S WEINER MD RONALD Y FUJIMOTO MD WILLIAM J YARBROUGH MD
33311	DARYL DOBASHI
33400	LAWRENCE, MARY K SCOTTY TAXI SUN VILLAGE KAUAI
33420	ARNULFO B DIAZ MD DAVID J ELPERN MD DAVID R MC DONALD MD

**KUHIO HWY 1995 (Cont'd)**

- 33420 DOUGLAS A DUVAUCHELLE MD
- ERIC K S YEE MD
- GERALD S TOMORY MD
- GERI Q L YOUNG MD
- H ROGER NETZER MD
- JEFFREY Y SUE MD
- JONATHAN CHARLES MD
- KAREN A RATLIFF MD
- KAUAI MEDICAL GROUP
- KEVIN R CLAY MD
- LARRY C MC KNIGHT MD
- LAWRENCE R RAITHAUS MD
- LEE A EVSLIN MD
- NEAL SUTHERLAND MD
- REX D COUCH MD
- RIENZI G REMITIO MD
- SUZANNE M NELSON MD
- TERRI F ROSENBAUM MD
- THATCHER MAGOUN MD
- W MONTAGUE DOWNS MD
- WILLIAM L SHANKEL MD
- 33586 ALOHA FLOOR COVERING & DRAPERY
- 33596 CLASSIC AUTO WORKS
- 33601 HAWAII GLASS TINTING
- 33716 KEN SILVAS AUTO BODY SHOP
- 33944 UNIQUE HAIR DESIGN
- 34251 INNOVATED PRINTING IDEAS
- SAMPAGUITAS TAKE OUT FOOD
- 34280 HANAMAULU SERVICE CTR
- 34291 PLAZA LAUNDRY
- 34301 ARAS SAKANA YA
- PRIDE BUILDERS
- TRAVEL AIR INTL
- 34340 7 ELEVEN FOOD STORE
- 34684 KAUAI FRUIT & FLOWER CO
- LADY JANES TROPICAL PRODUCTS

**KUHIO HWY 1992**

- 3 HELLRIEGEL, DIETER
- HERBERT, LEONARD
- HUSSEY, ANNIE
- KING, E J
- KNAPPTHUENTE, ANNA
- KOMORI, ARTHUR
- LACUESTA, E
- LAWRENCE, M K
- LEE, ROBERT E
- LINDEN, R
- LOVEJOY, K
- 4 KELLEY, MICHAEL
- KING, T
- 3327 SAULIBIO, MICHAEL D
- 7140 MCKAY, RANDY

**Hardy-Oxford Waterline, Kuhio Highway**

Hardy-Oxford Waterline, Kuhio Highway

Lihue, HI 96766

Inquiry Number: 6066289.2s

June 2, 2020

## EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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***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 EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

<b>STANDARD ENVIRONMENTAL RECORDS</b>	<b>Default Area of Concern (Miles)*</b>	<b>property</b>	<b>1/10</b>	<b>&gt; 1/10</b>
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	3	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	1	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	3	1
State and tribal registered storage tank lists	0.25	0	2	1
State and tribal institutional control / engineering control registries	0.5	0	1	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

### ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.001	0	0	-
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	0.001	0	0	-
Records of Emergency Release Reports	0.001	0	2	-
Other Ascertainable Records	1.0	0	14	0

### EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	4	0
Exclusive Recovered Govt. Archives	0.001	0	0	-



## EXECUTIVE SUMMARY

### EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	4	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

\*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
HARDY-OXFORD WATERLINE, KUHIO HIGHWAY  
LIHUE, HI 96766

### COORDINATES

Latitude (North):	21.978952 - 21° 58' 44.22867"
Longitude (West):	159.368144 - 159° 22' 5.3356934"
Elevation:	210 ft. above sea level

# EXECUTIVE SUMMARY

## SEARCH RESULTS

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

## STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
LIHUE SHELL LUST: LUST Financial Assurance: Financial Assurance	3178 KUHIO HWY	<1/10 NNE	▲ C7	13
IES RETAIL KUHIO HWY RCRA-VSQG: RCRA-VSQG	3-3187 KUHIO HWY	<1/10 SSW	◆ A10	21
WILCOX MEMORIAL HOSPITAL ECHO: ECHO FINDS: FINDS RCRA-VSQG: RCRA-VSQG	3420 KUHIO HWY	<1/10 SSW	◆ A12	23
ALOHA PETROLEUM: LIHUE SHELL RCRA-VSQG: RCRA-VSQG	3178 KUHIO HWY	<1/10 SSW	◆ A15	28
76 PARADISE #412 UST: UST LUST: LUST Financial Assurance: Financial Assurance	3155 KUHIO HWY	<1/10 SSW	◆ A16	30
GARY'S SERVICE STATION SHWS: SHWS INST CONTROL: INST CONTROL SPILLS: SPILLS	3187 KUHIO HWY	<1/10 N	▲ C17	34
IES RETAIL KUHIO HIGHWAY UST: UST LUST: LUST Financial Assurance: Financial Assurance	3187 KUHIO HWY	<1/10 N	▲ C18	38
LIHUE POLICE STATION UST: UST LUST: LUST	3060 UMI ST	1/10 - 1/3 SSE	◆ 23	44

## ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
DOLLAR RENT-A-CAR FINDS: FINDS	3-3131 KUHIO HIGHWAY	<1/10 SSW	◆ A1	10
SPEEDIE LUBE OF HI INC FINDS: FINDS	3-3155 KUHIO HIGHWAY	<1/10 SSW	◆ A2	10
CHEVRON 97619 FINDS: FINDS ECHO: ECHO	3187 KUHIO HWY	<1/10 SSW	◆ A3	11

## EXECUTIVE SUMMARY

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
WILCOX MEMORIAL HOSPITAL AIRS: AIRS	3420 KUHIO HIGHWAY	<1/10 SSW	◆ A4	11
WALMART-LIHUE STORE FINDS: FINDS	Not Reported	<1/10 NNE	▲ B5	12
LYDGATE PARK - KAPAA PHASE C (POR.) & D BIKE/PEDESTRIAN PATH FINDS: FINDS ECHO: ECHO	UNKNOWN	<1/10 NNE	▲ B6	12
LIHUE SHELL LUST: LUST Financial Assurance: Financial Assurance	3178 KUHIO HWY	<1/10 NNE	▲ C7	13
KUHIO HIGHWAY & POINCIANA STREET SPILLS: SPILLS	KUHIO HWY & POINCIANA ST	<1/10 N	▲ C8	17
LIHUE SHELL SVC ICIS: ICIS FINDS: FINDS ECHO: ECHO	3178 KUHIO HWY	<1/10 SSW	◆ A9	19
A STEP FORWARD FINDS: FINDS ECHO: ECHO	3135 KUHIO HIGHWAY	<1/10 SSW	◆ 11	22
WILCOX MEMORIAL HOSPITAL ECHO: ECHO FINDS: FINDS RCRA-VSQG: RCRA-VSQG	3420 KUHIO HWY	<1/10 SSW	◆ A12	23
CLINICAL LABORATORIES OF HAWAII ECHO: ECHO FINDS: FINDS	3420 KUHIO HWY	<1/10 SSW	◆ A13	26
PARADISE SVC STA ECHO: ECHO FINDS: FINDS ICIS: ICIS	3155 KUHIO HWY	<1/10 SSW	◆ A14	27
76 PARADISE #412 UST: UST LUST: LUST Financial Assurance: Financial Assurance	3155 KUHIO HWY	<1/10 SSW	◆ A16	30
GARY'S SERVICE STATION SHWS: SHWS INST CONTROL: INST CONTROL SPILLS: SPILLS	3187 KUHIO HWY	<1/10 N	▲ C17	34
IES RETAIL KUHIO HIGHWAY UST: UST LUST: LUST Financial Assurance: Financial Assurance	3187 KUHIO HWY	<1/10 N	▲ C18	38

# EXECUTIVE SUMMARY

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
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## EDR HIGH RISK HISTORICAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
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T & H SERVICE LTD* EDR Hist Auto: EDR Hist Auto	3155 KUHIO HWY	<1/10 W	◆ A19	42
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LIHUE SUPER SERVICE EDR Hist Auto: EDR Hist Auto	3155 KUHIO HWY	<1/10 W	◆ A20	42
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PARADISE SERVICE EDR Hist Auto: EDR Hist Auto	3155 JULIO HWY	<1/10 W	◆ A21	43
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UP TO DATE CLEANERS KAUAI INC EDR Hist Cleaner: EDR Hist Cleaner	3088 AKAHI ST	<1/10 SSE	▲ 22	44
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## EDR RECOVERED GOVERNMENT ARCHIVES


<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
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Not Reported				
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# PRIMARY MAP - 6066289.2S



 Target Property

 Sites at elevations higher than or equal to the target property


 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hardy-Oxford Waterline, Kuhio Highway  
 ADDRESS: Hardy-Oxford Waterline, Kuhio Highway  
 Lihue HI 96766  
 LAT/LONG: 21.978952 / 159.368144

CLIENT: Environmental Risk Analysis, LLC  
 CONTACT: Max Ulloa  
 INQUIRY #: 6066289.2S  
 DATE: May 18, 2020 12:29 pm



MAP FINDINGS

**LEGEND**

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
◆ MAP ID#	Direction Distance Range (Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation Feet Above Sea Level	
<b>Worksheet:</b>		
<b>Comments:</b> Comments may be added on the online Vapor Encroachment Worksheet.		

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

DOLLAR RENT-A-CAR 3-3131 KUHIO HIGHWAY, LIHUE, HI, 96766		1016368689
◆ A1	SSW <1/10 (0 ft. / 0 mi.)	Other Ascertainable Records
	4 ft. Lower Elevation 206 ft. Above Sea Level	

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110046190830  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046190830](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046190830)

**Environmental Interest/Information System:**

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains  
<http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Of4MaOkWfD3265M6xaR79ChkMfWdY83vD.83nC2JF6t45FF3j76rlx.Z3ZGRPZ78e45PCLfHs7b0MYZfFP3kudEjYs44TFO3Qfd02srMylaaK8ylkYfWBe2fPDtp3jr79W63y5Kv3E86X5xJuAtyRRk7Cv45ECtMhp02VSMGZfD64N4Osbflz3h2My5aP62frkOIWIS8J9D2g3nJ2uy6Qz57C8QS6HnxRv8DdR2B7Yz4urC.Ah5vAMwMqcfK6BfRdlEYxu1UC3Uqvju4kV.q889tuxmnDYCSF4xxOGWfYd37WM80aMr2wVkt0WYf3TbDaz3Qk2Rg67d5LY3Oa68hxTk8BgRGx7OI55iC6jhYe8ZTMnMf2AAvlduuYRW8DR3QAvN.AT0.IQ8rzBljnwTC0j2> additional records for this site. Please contact your EDR Account Executive for more information.

SPEEDIE LUBE OF HI INC 3-3155 KUHIO HIGHWAY, LIHUE, HI, 96766		1015857767
◆ A2	SSW <1/10 (0 ft. / 0 mi.)	Other Ascertainable Records
	2 ft. Lower Elevation 208 ft. Above Sea Level	

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110046207797  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046207797](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046207797)

**Environmental Interest/Information System:**



MAP FINDINGS

**SPEEDIE LUBE OF HI INC, 3-3155 KUHIO HIGHWAY, LIHUE, HI 96766 (Continued)**

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains [|   |                       |                         |                             |
|---|-----------------------|-------------------------|-----------------------------|
| CHEVRON 97619<br>3187 KUHIO HWY, LIHUE, HI, 96766 |                       |                         | 1008939604                  |
| ◆ A3  | SSW <1/10             | \(0 ft. / 0 mi.\)         | Other Ascertainable Records |
|   | 5 ft. Lower Elevation | 205 ft. Above Sea Level |                             |](http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=40h48z0VMhz02MB8EBzI9oIVvkMcu8DTzkm0eS2RtMfZBPv3TZEliBtt3hsZDdltr46poKllwI7D6vkSkeS3PvcO0upg4Ba0X6hQH2rh8LGzK78JXV2TMgy2szzgW0Ve7A2MxnBsK3vREG8BRRAHWZAJlvx4qvoq2IjI2F3vZdkRs4Ka0qXhpG3eq85AzfD2F4VLM7m8vzfBE0by24yMnBBjP8YcEWRBau8qRZ6hlyN4vzolsloaA4LvHZkZYBK9cTlu0X1qpDiwTzS4H5k9ImMrumCeQZSgZ4wG0vHhnP3XE8Q7zuB2WBVfpMMj37UzC00cW2dyMloBz52rkEGtBdZ7hqZr2IWEAQcoskloh74hvr0kY8BzucOUuE28NAD4pTvS2ggkhVmCX6sleZGS.M2 additional records for this site. Please contact your EDR Account Executive for more information.</a></p>
</div>
<div data-bbox=)

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110023110006  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110023110006](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110023110006)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains [\*\*ECHO: Other Ascertainable Records\*\*](http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=40h48z0VMhz02MB8EBzI9oIVvkMcu8DTzkm0eS2RtMfZBPv3TZEliBtt3hsZDdltr46poKllwI7D6vkSkeS3PvcO0upg4Ba0X6hQH2rh8LGzK78JXV2TMgy2szzgW0Ve7A2MxnBsK3vREG8BRRAHWZAJlvx4qvoq2IjI2F3vZdkRs4Ka0qXhpG3eq85AzfD2F4VLM7m8vzfBE0by24yMnBBjP8YcEWRBau8qRZ6hlyN4vzolsloaA4LvHZkZYBK9cTlu0X1qpDiwTzS4H5k9ImMrumCeQZSgZ4wG0vHhnP3XE8Q7zuB2WBVfpMMj37UzC00cW2dyMloBz52rkEGtBdZAhqZr2IWEAQcoskloh54hvr0kY8BzucOUuE28NAD4pTvS2ggkhVmCX6sleZGS.M2 additional records for this site. Please contact your EDR Account Executive for more information.</a></p>
</div>
<div data-bbox=)

Envid: 1008939604  
 Registry ID: 110023110006  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110023110006>  
 Name: CHEVRON 97619  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

WILCOX MEMORIAL HOSPITAL 3420 KUHIO HIGHWAY, LIHUE, HI,			S107769398
◆ A4	SSW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	5 ft. Lower Elevation	205 ft. Above Sea Level	

**Worksheet:**

**AIRS: Other Ascertainable Records**

Name: WILCOX MEMORIAL HOSPITAL  
 Address: 3420 KUHIO HIGHWAY

MAP FINDINGS

**WILCOX MEMORIAL HOSPITAL, 3420 KUHIO HIGHWAY, LIHUE, HI (Continued)**

City,State,Zip: LIHUE, HI  
 Facility Identifier: 0320-01-N  
 Island: Kauai  
 Mailing Address: 55 Merchant Street, 27th Floor  
 Locale: Not Reported  
 Mailing City: Honolulu  
 Contact Name: Susan Nonaka  
 Mailing State: Hawaii  
 Mailing Zip: 96813  
 Contact Phone: Vice President - General Services  
 Business Phone: Not Reported  
 Issue Date: 06/27/2018  
 Expiration Date: 06/26/2023  
 Description: 1.This NSP encompasses the following equipment and associated appurtenances:a.One (1) Thermo Reduction Company Inc., pathological incinerator (liquefied petroleum gas (LPG)/propane fired), Model No. TR-10-P, Serial No. D063; andb.Two (2) Cleaver Brooks 100 HP dual-fired (diesel oil no. 2 and LPG/propane) steam boilers, Model No. CB 100-100, Serial Nos. L-85302, HAW 4046-89, and L-85303, HAW 4045-89.

WALMART-LIHUE STORE Not Reported, , HI,			1016368417
▲ B5	NNE <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	8 ft. Higher Elevation	218 ft. Above Sea Level	

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110046180841  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110046180841](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110046180841)

**Environmental Interest/Information System:**

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains [|   |                        |                         |                             |
|---|------------------------|-------------------------|-----------------------------|
| LYDGATE PARK - KAPAA PHASE C \(POR.\) & D BIKE/PEDESTRIAN PATH<br>UNKNOWN, UNKNOWN, HI, 00000 |                        |                         | 1016691695                  |
| ▲ B6  | NNE <1/10              | \(0 ft. / 0 mi.\)         | Other Ascertainable Records |
|   | 9 ft. Higher Elevation | 219 ft. Above Sea Level |                             |](http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=40h48z0VMhz02MB8EBzI9oIVvkMcu8DTzkm0eS2RtMfZBPv3TZEliiBtt3hsZDdltr46poKllwI7D6vkSkeS3PvcO0upg4Ba0X6hQH2rh8LGzK78JXV2TMgy2szzgW0Ve7A2MxnBsK3vREG8BRRAHWZAJlvx4qvoq2ljl2F3vZdkRs4Ka0qXhpG3eq85AzfD2F4VLM7m8vzfBE0by24yMnBBjP8YcEWRBau8gRZ6hlyN4vzoIsloaA4LvHZkZYBK9cTlu0X1qpDiwTzS4H5k9lmMrumCeQZSgZ4wG0vHhnP3XE8Q7zuB2WBVfpMMj37UzC00cW2dyMloBz53rkEGtBdZ8hgZr2lWw5Qcoskloh84hvr0kY8AzucOUuE26NAD4pTvS3ggkhVmCX9sleZGS.M2 additional records for this site. Please contact your EDR Account Executive for more information.</a></p>
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MAP FINDINGS

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110049130738  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049130738](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110049130738)

**Environmental Interest/Information System:**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Registry ID: 110042392167  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110042392167](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110042392167)

**Environmental Interest/Information System:**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4ei4vseFhiFz2clvpQsCP9xPFTph7k8O2F.xz.j23Wcw5Izb3DXpk8QnC3LzC0hPB44bjxJsPbE7JfTvLp3U3ZS7YmkIp4uReUmigX2r3vhksZu8emF3mhBl2a6F.DznR7C4cr7IRF3cjpTBQYyA84COsPeU47dxoDP942VeTOhpC84HceoUiNY358vDksvK2plFJFhy78XeFrnzQ92jycgNIL58gmpG5Qjs8UkCgEPPI4Q6x45P0iAGETEXpKTBTM7frkZd1fyOxV2jT4Hf.txtYou8c.c5jPO4R6eaZi0B3RRvjCsyz2bLFwAhID3lqF13zoo2pmcQzld83LtpuZQmO8DUCTbPe48E2x9HP3k3vTYfp4a34W7LYkVX83NOjU2UtBPM.9bx347RN.C7jVz2> additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1016691695  
 Registry ID: 110049130738  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110049130738>  
 Name: LYDGATE PARK TO KAPAA BIKE/PEDESTRIAN PATH PHASE B, PROJECT NO. STP-0700 (61) (1)  
 Address: UNKNOWN  
 City,State,Zip: UNKNOWN, HI 00000

Envid: 1016691695  
 Registry ID: 110042392167  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110042392167>  
 Name: LYDGATE PARK - KAPAA PHASE C (POR.) & D BIKE/PEDESTRIAN PATH  
 Address: UNKNOWN  
 City,State,Zip: UNKNOWN, HI 00000

LIHUE SHELL 3178 KUHIO HWY, LIHUE, HI, 96766		U001237304
▲ C7	NNE <1/10 (0 ft. / 0 mi.)	State and tribal leaking storage tank lists Other Ascertainable Records
	3 ft. Higher Elevation 213 ft. Above Sea Level	

**Worksheet:**

**LUST: State and tribal leaking storage tank lists**

Facility ID: 9-701555

MAP FINDINGS

**LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 04/07/1998  
Release ID: 980083  
Project Officer: Richard Takaba

Facility ID: 9-701555  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 08/25/2005  
Release ID: 030015  
Project Officer: Richard Takaba

Facility ID: 9-701555  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 07/21/2009  
Release ID: 080021  
Project Officer: Richard Takaba

**HI Financial Assurance: Other Ascertainable Records**

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-2  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not Reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-1  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not Reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: R-3  
Tank Status: Permanently Out of Use  
FRTYPE: Other  
Expiration Date: Not Reported

Name: LIHUE SHELL  
Address: 3178 KUHIO HWY  
City,State,Zip: LIHUE, HI 96766  
Alt Facility ID: 9-701555  
Tank Id: 1B  
Tank Status: Currently In Use  
FRTYPE: Other

MAP FINDINGS

**LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Expiration Date:	Not Reported
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-5
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-4
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	1A
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-4
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-5
Tank Status:	Permanently Out of Use

MAP FINDINGS

**LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	1A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	1B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	04/01/2013
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-5
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	1A

MAP FINDINGS

**LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-4
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	1B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
Name:	LIHUE SHELL
Address:	3178 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701555
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019

KUHIO HIGHWAY & POINCIANA STREET  
 KUHIO HWY & POINCIANA ST, LIHUE, HI, 96766

S107023348

MAP FINDINGS

▲ C8	N <1/10	(0 ft. / 0 mi.)	Records of Emergency Release Reports
	3 ft. Higher Elevation	213 ft. Above Sea Level	

**Worksheet:**

**SPILLS: Records of Emergency Release Reports**

Name: KUHIO HIGHWAY & POINCIANA STREET  
 Address: KUHIO HWY & POINCIANA ST  
 Address 2: Not Reported  
 City,State,Zip: LIHUE, HI 96766  
 Island: Kauai  
 Supplemental Loc. Text: Not Reported  
 Case Number: 19910610  
 Facility Registry ID: Not Reported  
 HID Number: Not Reported  
 Lead and Program: HEER EP&R  
 ER: Not Reported  
 Less Or Greater Than: Not Reported  
 Units: Kuhio Hwy & Poinciana St  
 Activity Type: Response  
 Activity Lead: Not Reported  
 Assignment End Date: Not Reported  
 Result: SOSC NFA  
 File Under: Not Reported  
 Substances: OIL, HYDRAULIC FLUID  
 Quantity: Not Reported  
 Units: Not Reported  
 Reported Date: Not Reported  
 Release Date: Not Reported  
 Release Duration: Not Reported  
 Media: Not Reported  
 Waterbody: Not Reported  
 Summary: Not Reported  
 Is Noteworthy for Reports: Not Reported  
 Is the Release a Fugitive Dumping: Not Reported  
 Tax Map Key: Not Reported  
 Assigned SOSC: Not Reported  
 Notified Agencies: Not Reported  
 Response Measures Taken: Not Reported  
 Incident Report Number: Not Reported  
 Coordination Needed: Not Reported  
 Tier II Facility: Not Reported  
 RMP: Not Reported  
 Follow-up Received On: Not Reported  
 Cost Recovery: Not Reported  
 Invoice To: Not Reported  
 Closed Date: Not Reported  
 Comments: Not Reported  
 Latitude: Not Reported  
 Longitude: Not Reported



MAP FINDINGS

KUHIO HIGHWAY & POINCIANA STREET, KUHIO HWY & POINCIANA ST, LIHUE, HI 96766 (Continued)

LIHUE SHELL SVC 3178 KUHIO HWY, LIHUE, HI, 96766		1009330725
◆ A9	SSW <1/10 (0 ft. / 0 mi.)	Other Ascertainable Records
	5 ft. Lower Elevation 205 ft. Above Sea Level	

Worksheet:

ICIS: Other Ascertainable Records

Enforcement Action ID: 09-1999-0179  
 FRS ID: 110024542057  
 Action Name: LIHUE SHELL SERVICE  
 Facility Name: LIHUE SHELL SVC  
 Facility Address: 3178 KUHIO HWY  
 LIHUE, HI 96766  
  
 Enforcement Action Type: RCRA 9006 Field Citation (UST)  
 Facility County: KAUAI  
 Program System Acronym: ICIS  
 Enforcement Action Forum Desc: Administrative - Formal  
 EA Type Code: 9006FC  
 Facility SIC Code: 5541  
 Federal Facility ID: Not Reported  
 Latitude in Decimal Degrees: 21.97697  
 Longitude in Decimal Degrees: -159.36892  
 Permit Type Desc: Not Reported  
 Program System Acronym: 16635  
 Facility NAICS Code: Not Reported  
 Tribal Land Code: Not Reported  
  
 Enforcement Action ID: 09-1997-0141  
 FRS ID: 110024542057  
 Action Name: LIHUE SHELL SERVICE  
 Facility Name: LIHUE SHELL SVC  
 Facility Address: 3178 KUHIO HWY  
 LIHUE, HI 96766  
  
 Enforcement Action Type: RCRA 9006 Field Citation (UST)  
 Facility County: KAUAI  
 Program System Acronym: ICIS  
 Enforcement Action Forum Desc: Administrative - Formal  
 EA Type Code: 9006FC  
 Facility SIC Code: 5541  
 Federal Facility ID: Not Reported  
 Latitude in Decimal Degrees: 21.97697  
 Longitude in Decimal Degrees: -159.36892  
 Permit Type Desc: Not Reported  
 Program System Acronym: 16635  
 Facility NAICS Code: Not Reported  
 Tribal Land Code: Not Reported

MAP FINDINGS

**LIHUE SHELL SVC, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not Reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not Reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not Reported  
SIC Code: 5541

Facility Name: KEWALO BASIN NOT SPECIFIED  
Address: 3178 KUHIO HWY  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not Reported  
SIC Code: 5541

**FINDS: Other Ascertainable Records**

Registry ID: 110024542057  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110024542057](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110024542057)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4ei4vseFhiFz2clvpQsCP9xPFTph7k8O2F.xz.j23Wcw5IzB3DXpk8QnC3LzC0hPB44bjxJsPbE7JfTvLp3U3ZS7Ymklp4uReUmigX2r3vhksZu8emF3mhBl2a6F.DznR7C4cr7IRF3cjpTBQYyA84COsPeU47dxoDP942VeTOhpC84HceoUiNY358vDksvK2pIFJFhy78XeFrnzQ92jycgNIL58gmpG5Qjs8UkCgEPPi4Q6x45P0iAGETE XpKBTM7frkZd1fyOxV2jT4Hf.txtYou8c.c5jPO4R6eaZi0B3RRvjCsyZ2bLFwAhID3lqF13zoo2pmcQzld82LtpuZQmOBDUCTbPe45E2x9HP3k53vTYfp4a24W7LYkVX93NOjU2Ut4PM.9bx347RN.C7jVz2> additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1009330725

MAP FINDINGS

**LIHUE SHELL SVC, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Registry ID: 110024542057  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110024542057>  
 Name: ALOHA PETROLEUM: LIHUE SHELL  
 Address: 3178 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

IES RETAIL KUHIO HWY 3-3187 KUHIO HWY, LIHUE, HI, 96766		1008880400
◆ A10	SSW <1/10 (0 ft. / 0 mi.)	Federal RCRA generators list
	5 ft. Lower Elevation 205 ft. Above Sea Level	

**Worksheet:**

**RCRA-VSQG: Federal RCRA generators list**

Date form received by agency: 2016-10-27 00:00:00.0  
 Facility name: IES RETAIL KUHIO HWY  
 Facility address: 3-3187 KUHIO HWY  
 LIHUE, HI 96766  
 EPA ID: HIR000136770  
 Mailing address: 91-480 MALAKOLE ST.  
 KAPOLEI, HI 96707  
 Contact: MARC DEXTER  
 Contact address: 91-480 MALAKOLE ST.  
 KAPOLEI, HI 96707  
 Contact country: US  
 Contact telephone: 808-682-5711  
 Contact email: MARC.DEXTER@ISLANDENERGYSERVICES.COM  
 EPA Region: 09  
 Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: IES RETAIL, LLC  
 Owner/operator address: ROCKEFELLER PLAZA 54TH FLOOR  
 NEW YORK, NY 10112  
 Owner/operator country: US  
 Owner/operator telephone: 212-605-6000  
 Owner/operator email: Not Reported  
 Owner/operator fax: Not Reported  
 Owner/operator extension: Not Reported  
 Legal status: Private

MAP FINDINGS

**IES RETAIL KUHIO HWY, 3-3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Owner/Operator Type: Owner  
Owner/Op start date: 2016-11-01 00:00:00.  
Owner/Op end date: Not Reported  
  
Owner/operator name: IES RETAIL, LLC  
Owner/operator address: ROCKEFELLER PLAZA 54TH FLOOR  
NEW YORK, NY 10112  
  
Owner/operator country: US  
Owner/operator telephone: 212-605-6000  
Owner/operator email: Not Reported  
Owner/operator fax: Not Reported  
Owner/operator extension: Not Reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 2016-11-01 00:00:00.  
Owner/Op end date: Not Reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 2005-09-16 00:00:00.0  
Site name: CHEVRON 97619  
Classification: Conditionally Exempt Small Quantity Generator

**Hazardous Waste Summary:**

. Waste code: D018  
. Waste name: BENZENE  
  
Violation Status: No violations found

A STEP FORWARD  
3135 KUHIO HIGHWAY, LIHUE, HI, 96766

1016827569

MAP FINDINGS

◆ 11	SSW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	6 ft. Lower Elevation	204 ft. Above Sea Level	

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110058923973  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110058923973](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110058923973)

**Environmental Interest/Information System:**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4mk4hmmV2kUx2PLhwemKX9Z.V2O2b785bUI7xs.2fAPiaLk13xzwB4ehV3z5KKkXSH4ddZ.nz.HA7Pk26EORX3EUbEY7iR4cmmSRkx12quh3FmJh8W0VX62h42ogUJNxE77DaPlwLzf3JVwgFegVAWbK7vXNW4OKZmt.3K2FF2CHORt4kemmRkvq32whqqmBw2vVvkz2Kx8deU0MxEJ2tTP2aLx18Jvw0kesr8dYKkkXpg4RkZql.kMAye2fUOZvBc4bNv7dk10b5h4bz04nElkW7IGuxZsK6.8i4RPmEqkx3L9h0ImWn2h0ViU2dD3PjUtbxWa2X4P5BLIA3pZw0lewD8G8K4gXmxA3SZuo.Jm42d2gKOZY988bpc7HX7C65OebYo87Xl5g7ObBXSpY..62> additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1016827569  
 Registry ID: 110058923973  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110058923973>  
 Name: A STEP FORWARD  
 Address: 3135 KUHIO HIGHWAY  
 City,State,Zip: LIHUE, HI 96766

WILCOX MEMORIAL HOSPITAL 3420 KUHIO HWY, LIHUE, HI, 96766			1012178243
◆ A12	SSW <1/10	(0 ft. / 0 mi.)	Federal RCRA generators list
	5 ft. Lower Elevation	205 ft. Above Sea Level	Other Ascertainable Records

**Worksheet:**

**RCRA-VSQG: Federal RCRA generators list**

Date form received by agency: 2019-11-20 00:00:00.0  
 Facility name: CLINICAL LABORATORIES OF HAWAII  
 Facility address: 3-3420 KUHIO HWY  
 LABORATORY, GROUND FLOOR  
 LIHUE, HI 96766  
 EPA ID: HIR000138966  
 Mailing address: KUHIO HWY  
 LIHUE, HI 96766  
 Contact: KRISTIN TONE  
 Contact address: KUHIO HWY  
 LIHUE, HI 96766

MAP FINDINGS

**WILCOX MEMORIAL HOSPITAL, 3420 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Contact country: US  
Contact telephone: 808-245-1082  
Contact email: KRISTIN.TONE@HAWAIIILABS.COM  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: SONIC HAWAII HOLDINGS INC.  
Owner/operator address: 9737 GREAT HILLS TRAIL SUITE 100  
AUSTIN, TX 78759

Owner/operator country: US  
Owner/operator telephone: Not Reported  
Owner/operator email: Not Reported  
Owner/operator fax: Not Reported  
Owner/operator extension: Not Reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 2008-09-03 00:00:00.  
Owner/Op end date: Not Reported

Owner/operator name: PAN PACIFIC PATHOLOGISTS, LLC  
Owner/operator address: 33 LANIHULI STREET  
HILO, HI 96720

Owner/operator country: US  
Owner/operator telephone: Not Reported  
Owner/operator email: Not Reported  
Owner/operator fax: Not Reported  
Owner/operator extension: Not Reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 1995-07-25 00:00:00.  
Owner/Op end date: Not Reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): Not Reported  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No

MAP FINDINGS

**WILCOX MEMORIAL HOSPITAL, 3420 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 2018-06-07 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Conditionally Exempt Small Quantity Generator  
  
Date form received by agency: 2011-10-13 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Conditionally Exempt Small Quantity Generator  
  
Date form received by agency: 2008-12-26 00:00:00.0  
Site name: CLINICAL LABORATORIES OF HAWAII  
Classification: Small Quantity Generator

**Hazardous Waste Summary:**

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D009  
. Waste name: MERCURY  
  
. Waste code: D040  
. Waste name: TRICHLORETHYLENE  
  
. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY 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.

Violation Status: No violations found

**FINDS: Other Ascertainable Records**

Registry ID: 110005726946  
Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110005726946](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110005726946)

**Environmental Interest/Information System:**

COMPLIANCE AND EMISSIONS REPORTING

MAP FINDINGS

**WILCOX MEMORIAL HOSPITAL, 3420 KUHIO HWY, LIHUE, HI 96766 (Continued)**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**HAZARDOUS WASTE BIENNIAL REPORTER**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4mk4hmmV2kUx2PLhwemKX9Z.V2O2b785bUI7xs.2fAPiaLkI3xzwB4ehV3z5KKkXSH4ddZ.nz.HA7Pk26EORX3EUbEY7iR4cmmSRkxl2quh3FmJh8W0VX62h42ogUJNxE7DapIwLzf3JVwgFegVAWbK7vXNW4OKZmt.3K2FF2CHORt4kemmRkvq32whqqmBw2vVvkz2Kx8deU0MxEJ2tTP2aLx18Jvw0kesr8dYKkkXpg4RkZql.kMAye2fUOZvBc4bNv7dk10b5h4bz04nElkW7IGuxZsK6.8i4RpmEqkx3L9h0ImWn2h0ViU2dD3PjUtbxWa2X4P5BLIA3pZw0lewD4G8K4gXmx33SZuo.Jm92d2gKOZYA88bpc7HX4C65OebYo67Xl5g7Ob5XSpY..62> additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1012178243  
 Registry ID: 110005726946  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005726946>  
 Name: WILCOX MEMORIAL HOSPITAL  
 Address: 3420 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

CLINICAL LABORATORIES OF HAWAII 3420 KUHIO HWY, LIHUE, HI, 96766		1012110090
◆ A13	SSW <1/10 (0 ft. / 0 mi.) 5 ft. Lower Elevation 205 ft. Above Sea Level	Other Ascertainable Records

**Worksheet:**

**FINDS: Other Ascertainable Records**

Registry ID: 110044304062  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110044304062](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110044304062)

**Environmental Interest/Information System:**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2O2IOT1eIF8NTF7uee1uFW2rNR2AFB3buZ6Re52SuF28O.1IIC7GTm1mey65Ft2xNg9wFb3Uua1nec2hO72nlC1zTd73el14Fv75N.7IFi3bup9ZeOAUuN0pWe3Yrqt6RP26OC2Xlp1FTP2ieX1wFq2FN13PFf2MuV2Fe513uL1.WDAbr81kRX1> additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1012110090  
 Registry ID: 110044304062  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110044304062>



MAP FINDINGS

**CLINICAL LABORATORIES OF HAWAII, 3420 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Name: CLINICAL LABORATORIES OF HAWAII  
 Address: 3420 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

PARADISE SVC STA 3155 KUHIO HWY, LIHUE, HI, 96766		1006257729
◆ A14	SSW <1/10 (0 ft. / 0 mi.)	Other Ascertainable Records
	5 ft. Lower Elevation 205 ft. Above Sea Level	

**Worksheet:**

**ICIS: Other Ascertainable Records**

Enforcement Action ID: 09-1998-0073  
 FRS ID: 110010596248  
 Action Name: PARADISE SERVICE STATION  
 Facility Name: PARADISE SVC STA  
 Facility Address: 3155 KUHIO HWY  
 LIHUE, HI 96766

Enforcement Action Type: RCRA 9006 Field Citation (UST)  
 Facility County: KAUAI  
 Program System Acronym: ICIS  
 Enforcement Action Forum Desc: Administrative - Formal  
 EA Type Code: 9006FC  
 Facility SIC Code: Not Reported  
 Federal Facility ID: Not Reported  
 Latitude in Decimal Degrees: 21.97697  
 Longitude in Decimal Degrees: -159.36892  
 Permit Type Desc: Not Reported  
 Program System Acronym: 16568  
 Facility NAICS Code: Not Reported  
 Tribal Land Code: Not Reported

Facility Name: PARADISE SVC STA  
 Address: 3155 KUHIO HIGHWAY  
 Tribal Indicator: N  
 Fed Facility: Not Reported  
 NAIC Code: Not Reported  
 SIC Code: Not Reported

**FINDS: Other Ascertainable Records**

Registry ID: 110010596248  
 Facility URL: [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110010596248](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110010596248)

**Environmental Interest/Information System:**

MAP FINDINGS

**PARADISE SVC STA, 3155 KUHIO HWY, LIHUE, HI 96766 (Continued)**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains <http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2021OT1eIF8NTF7uee1uFW2rNR2AFB3buZ6Re52SuF28O.1IIC7GTm1mey65Ft2xNg9wFb3Uua1nec2hO72nIC1zTd73el14Fv75N.7IFi3bup9ZeOAUuN0pWe3Yrqt6RP26OC2Xlp1FTP2ieX1wFq1FN17PFf3MuV6Fe583uL8.WD3br8AkRX> 1 additional records for this site. Please contact your EDR Account Executive for more information.

**ECHO: Other Ascertainable Records**

Envid: 1006257729  
 Registry ID: 110010596248  
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110010596248>  
 Name: PARADISE SVC STA  
 Address: 3155 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766

ALOHA PETROLEUM: LIHUE SHELL 3178 KUHIO HWY, LIHUE, HI, 96766		1009398539
◆ A15	SSW <1/10 (0 ft. / 0 mi.)	Federal RCRA generators list
	5 ft. Lower Elevation 205 ft. Above Sea Level	

**Worksheet:**

**RCRA-VSQG: Federal RCRA generators list**

Date form received by agency: 2018-07-06 00:00:00.0  
 Facility name: ALOHA PETROLEUM: LIHUE SHELL  
 Facility address: 3178 KUHIO HWY  
 LIHUE, HI 96766  
 EPA ID: HIR000137463  
 Mailing address: KUHIO HWY  
 LIHUE, HI 96766  
 Contact: GREGORY MCCARTNEY  
 Contact address: BISHOP STREET SUITE 1700  
 HONOLULU, HI 96813  
 Contact country: US  
 Contact telephone: 808-522-9704  
 Contact email: GMCCARTNEY@ALOHAGAS.COM  
 EPA Region: 09  
 Classification: Conditionally Exempt Small Quantity Generator

MAP FINDINGS

**ALOHA PETROLEUM: LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: ALOHA PETROLEUM LTD  
 Owner/operator address: 1132 BISHOP ST, SUITE 1700  
 HONOLULU, HI 96813

Owner/operator country: US  
 Owner/operator telephone: 808-522-9700  
 Owner/operator email: Not Reported  
 Owner/operator fax: Not Reported  
 Owner/operator extension: Not Reported  
 Legal status: Private  
 Owner/Operator Type: Operator  
 Owner/Op start date: 1999-03-01 00:00:00.  
 Owner/Op end date: Not Reported

Owner/operator name: ALOHA PETROLEUM LTD  
 Owner/operator address: 1132 BISHOP ST, SUITE 1700  
 HONOLULU, HI 96813

Owner/operator country: US  
 Owner/operator telephone: 808-522-9700  
 Owner/operator email: Not Reported  
 Owner/operator fax: Not Reported  
 Owner/operator extension: Not Reported  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: 1999-03-01 00:00:00.  
 Owner/Op end date: Not Reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No

MAP FINDINGS

**ALOHA PETROLEUM: LIHUE SHELL, 3178 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Used oil transfer facility: No  
 Used oil transporter: No

**Historical Generators:**

Date form received by agency: 2018-06-12 00:00:00.0  
 Site name: LIHUE SHELL  
 Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0  
 Site name: LIHUE SHELL  
 Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 2006-02-27 00:00:00.0  
 Site name: SHELL OIL PRODUCTS SAP 139572  
 Classification: Small Quantity Generator

**Hazardous Waste Summary:**

. Waste code: D001  
 . Waste name: IGNITABLE WASTE

. Waste code: D018  
 . Waste name: BENZENE

Violation Status: No violations found

76 PARADISE #412 3155 KUHIO HWY, LIHUE, HI, 96766			U001237313
◆ A16	SSW <1/10	(0 ft. / 0 mi.)	State and tribal leaking storage tank lists State and tribal registered storage tank lists Other Ascertainable Records
	5 ft. Lower Elevation	205 ft. Above Sea Level	

**Worksheet:**

**LUST: State and tribal leaking storage tank lists**

Facility ID: 9-701643  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 03/30/2007  
 Release ID: 990133  
 Project Officer: Darren Park

**UST: State and tribal registered storage tank lists**

Facility ID: 9-701643  
 Owner: Par Hawaii, LLC  
 Owner Address: 1132 Bishop Street, Suite 2500  
 Owner City, St, Zip: Lihue, 96766 96766  
 Latitude: 21.979089999999999  
 Longitude: -159.36836  
 Horizontal Reference Datum Name: NAD83  
 Horizontal Collection Method Name: GPS

MAP FINDINGS

**76 PARADISE #412, 3155 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Tank ID: 1A  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not Reported  
 Tank Capacity: 7000  
 Substance: Gasohol

Tank ID: 1B  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not Reported  
 Tank Capacity: 4000  
 Substance: Gasohol

Tank ID: 1C  
 Date Installed: 03/01/1999  
**Tank Status: Currently In Use**  
 Date Closed: Not Reported  
 Tank Capacity: 3000  
 Substance: Diesel

Tank ID: R-1  
 Date Installed: Not Reported  
**Tank Status: Permanently Out of Use**  
 Date Closed: 01/15/1999  
 Tank Capacity: 4000  
 Substance: Gasoline

Tank ID: R-2  
 Date Installed: Not Reported  
**Tank Status: Permanently Out of Use**  
 Date Closed: 01/19/1999  
 Tank Capacity: 4000  
 Substance: Gasoline

Tank ID: R-3  
 Date Installed: Not Reported  
**Tank Status: Permanently Out of Use**  
 Date Closed: 01/15/1999  
 Tank Capacity: 250  
 Substance: Used Oil

**HI Financial Assurance: Other Ascertainable Records**

Name: 76 PARADISE #412  
 Address: 3155 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701643  
 Tank Id: 1C  
 Tank Status: Currently In Use

MAP FINDINGS

**76 PARADISE #412, 3155 KUHIO HWY, LIHUE, HI 96766 (Continued)**

FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1A
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1B
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-1

MAP FINDINGS

**76 PARADISE #412, 3155 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1C
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	03/31/2013
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643

MAP FINDINGS

**76 PARADISE #412, 3155 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Tank Id:	1C
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018
Name:	76 PARADISE #412
Address:	3155 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701643
Tank Id:	1A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/30/2018

GARY'S SERVICE STATION  
3187 KUHIO HWY, LIHUE, HI, 96766

U001237285



MAP FINDINGS

▲ C17	N <1/10	(16 ft. / 0.003 mi.)	State- and tribal - equivalent CERCLIS State and tribal institutional control / engineering control registries Records of Emergency Release Reports
	4 ft. Higher Elevation	214 ft. Above Sea Level	

**Worksheet:**

**SHWS: State- and tribal - equivalent CERCLIS**

Organization: Not Reported  
 Supplemental Location: Not Reported  
 Island: Kauai  
 Environmental Interest: Gary's Service Station  
 HID Number: Not Reported  
 Facility Registry Identifier: 110013780998  
 Lead Agency: SHWB  
 Program: State  
 Project Manager: Cal Miyahara  
 Hazard Priority: NFA  
 Potential Hazards And Controls: Hazard Managed With Controls  
 Island: Kauai  
 SDAR Environmental Interest Name: Gary's Service Station  
 HID Number: Not Reported  
 Facility Registry Identifier: 110013780998  
 Lead Agency: SHWB  
 Potential Hazard And Controls: Hazard Managed With Controls  
 Priority: NFA  
 Assessment: Response Necessary  
 Response: Response Complete  
 Nature of Contamination: Not Reported  
 Nature of Residual Contamination: Residual petroleum contamination left on site. Under SHWB, de minimis levels (below Tier 1 EALs) of petroleum is reportable, therefore, the site was given a restricted NFA letter.  
 Use Restrictions: Controls Required to Manage Contamination  
 Engineering Control: Not Reported  
 Description of Restrictions: Not Reported  
 Institutional Control: Government - Hawaii Dept. of Health Letter Issued  
 Within Designated Areawide Contamination: Not Reported  
 Site Closure Type: No Further Action Letter - Restricted Use  
 Document Date: 01/10/2008  
 Document Number: Not Reported  
 Document Subject: SHWB NFA Letter  
 Project Manager: Cal Miyahara  
 Contact Information: (808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782

**INST CONTROL: State and tribal institutional control / engineering control registries**

Potential hazards and controls: Hazard Managed With Controls  
 Supplemental Location: Not Reported  
 Zip Suffix: Not Reported  
 Island: Kauai  
 Institutional Control: Government - Hawaii Dept. of Health Letter Issued

MAP FINDINGS

**GARY'S SERVICE STATION, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

**SPILLS: Records of Emergency Release Reports**

Name:	GARY'S SERVICE STATION
Address:	3187 KUHIO HWY
Address 2:	Not Reported
City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not Reported
Case Number:	20050218-1134
Facility Registry ID:	110013780998
HID Number:	Not Reported
Lead and Program:	HEER EP&R
ER:	No
Less Or Greater Than:	Not Reported
Units:	Sand and grease trap removal
Activity Type:	Response
Activity Lead:	Paul Chong
Assignment End Date:	2005-02-24 00:00:00
Result:	SOSC NFA
File Under:	Chevron Products Company
Substances:	Petroleum Hydrocarbons
Quantity:	Not Reported
Units:	Not Reported
Reported Date:	Not Reported
Release Date:	Not Reported
Release Duration:	Not Reported
Media:	Not Reported
Waterbody:	Not Reported
Summary:	Not Reported
Is Noteworthy for Reports:	Not Reported
Is the Release a Fugitive Dumping:	Not Reported
Tax Map Key:	Not Reported
Assigned SOSC:	Not Reported
Notified Agencies:	Not Reported
Response Measures Taken:	Not Reported
Incident Report Number:	Not Reported
Coordination Needed:	Not Reported
Tier II Facility:	Not Reported
RMP:	Not Reported
Follow-up Received On:	Not Reported
Cost Recovery:	Not Reported
Invoice To:	Not Reported
Closed Date:	Not Reported
Comments:	Not Reported
Latitude:	21.997447000000001
Longitude:	-159.41543899999999
Name:	GARY'S SERVICE STATION
Address:	3187 KUHIO HWY
Address 2:	Not Reported

MAP FINDINGS
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**GARY'S SERVICE STATION, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not Reported
Case Number:	20050218-1134
Facility Registry ID:	110013780998
HID Number:	Not Reported
Lead and Program:	HEER EP&R
ER:	No
Less Or Greater Than:	Not Reported
Units:	Sand and grease trap removal
Activity Type:	Response
Activity Lead:	Paul Chong
Assignment End Date:	2005-02-24 00:00:00
Result:	SOSC NFA
File Under:	Chevron Products Company
Substances:	Petroleum Hydrocarbons
Quantity:	Not Reported
Units:	Not Reported
Reported Date:	Not Reported
Release Date:	Not Reported
Release Duration:	Not Reported
Media:	Not Reported
Waterbody:	Not Reported
Summary:	Not Reported
Is Noteworthy for Reports:	Not Reported
Is the Release a Fugitive Dumping:	Not Reported
Tax Map Key:	Not Reported
Assigned SOSC:	Not Reported
Notified Agencies:	Not Reported
Response Measures Taken:	Not Reported
Incident Report Number:	Not Reported
Coordination Needed:	Not Reported
Tier II Facility:	Not Reported
RMP:	Not Reported
Follow-up Received On:	Not Reported
Cost Recovery:	Not Reported
Invoice To:	Not Reported
Closed Date:	Not Reported
Comments:	Not Reported
Latitude:	21.979858
Longitude:	-159.36841899999999
Name:	GARY'S SERVICE STATION
Address:	3187 KUHIO HWY
Address 2:	Not Reported
City,State,Zip:	LIHUE, HI 96766
Island:	Kauai
Supplemental Loc. Text:	Not Reported
Case Number:	20050218-1134
Facility Registry ID:	110013780998

MAP FINDINGS

**GARY'S SERVICE STATION, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

HID Number: Not Reported  
 Lead and Program: HEER EP&R  
 ER: No  
 Less Or Greater Than: Not Reported  
 Units: Sand and grease trap removal  
 Activity Type: Response  
 Activity Lead: Paul Chong  
 Assignment End Date: 2005-02-24 00:00:00  
 Result: SOSC NFA  
 File Under: Chevron Products Company  
 Substances: Petroleum Hydrocarbons  
 Quantity: Not Reported  
 Units: Not Reported  
 Reported Date: Not Reported  
 Release Date: Not Reported  
 Release Duration: Not Reported  
 Media: Not Reported  
 Waterbody: Not Reported  
 Summary: Not Reported  
 Is Noteworthy for Reports: Not Reported  
 Is the Release a Fugitive Dumping: Not Reported  
 Tax Map Key: Not Reported  
 Assigned SOSC: Not Reported  
 Notified Agencies: Not Reported  
 Response Measures Taken: Not Reported  
 Incident Report Number: Not Reported  
 Coordination Needed: Not Reported  
 Tier II Facility: Not Reported  
 RMP: Not Reported  
 Follow-up Received On: Not Reported  
 Cost Recovery: Not Reported  
 Invoice To: Not Reported  
 Closed Date: Not Reported  
 Comments: Not Reported  
 Latitude: 21.979858  
 Longitude: -159.36841899999999

IES RETAIL KUHIO HIGHWAY 3187 KUHIO HWY, LIHUE, HI, 96766		U004228187
▲ C18	N <1/10 (38 ft. / 0.007 mi.)	State and tribal leaking storage tank lists
	5 ft. Higher Elevation 215 ft. Above Sea Level	State and tribal registered storage tank lists Other Ascertainable Records

**Worksheet:**

**LUST: State and tribal leaking storage tank lists**

Facility ID: 9-701130  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 01/10/2008

MAP FINDINGS

IES RETAIL KUHIO HIGHWAY, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)

Release ID: 040019  
Project Officer: Darren Park  
Facility ID: 9-701130  
Facility Status: Site Cleanup Completed (NFA)  
Facility Status Date: 11/24/2006  
Release ID: 050008  
Project Officer: Darren Park

UST: State and tribal registered storage tank lists

Facility ID: 9-701130  
Owner: IES Retail, LLC  
Owner Address: 91-480 Malakole Street  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.979939999999999  
Longitude: -159.36813000000001  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: GPS

Tank ID: 1  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not Reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 1  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not Reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 2  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not Reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 2  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
Date Closed: Not Reported  
Tank Capacity: 10000  
Substance: Gasohol

Tank ID: 3  
Date Installed: 09/01/1985  
**Tank Status: Currently in Use**

MAP FINDINGS

**IES RETAIL KUHIO HIGHWAY, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Date Closed: Not Reported  
 Tank Capacity: 10000  
 Substance: Gasohol

Tank ID: 3  
 Date Installed: 09/01/1985  
**Tank Status: Currently in Use**  
 Date Closed: Not Reported  
 Tank Capacity: 10000  
 Substance: Gasohol

Tank ID: r-4  
 Date Installed: 09/01/1985  
**Tank Status: Permanently Out of Use**  
 Date Closed: 01/11/2005  
 Tank Capacity: 1000  
 Substance: Used Oil

Tank ID: r-4  
 Date Installed: 09/01/1985  
**Tank Status: Permanently Out of Use**  
 Date Closed: 01/11/2005  
 Tank Capacity: 1000  
 Substance: Used Oil

**HI Financial Assurance: Other Ascertainable Records**

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: 3  
 Tank Status: Currently in Use  
 FRTYPE: Guarantee  
 Expiration Date: 04/27/2012

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: 1  
 Tank Status: Currently in Use  
 FRTYPE: Guarantee  
 Expiration Date: 04/27/2012

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: r-4  
 Tank Status: Permanently Out of Use

MAP FINDINGS

**IES RETAIL KUHIO HIGHWAY, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

FRTYPE:	Guarantee
Expiration Date:	04/27/2012
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	2
Tank Status:	Currently in Use
FRTYPE:	Guarantee
Expiration Date:	04/27/2012
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	r-4
Tank Status:	Permanently Out of Use
FRTYPE:	Guarantee
Expiration Date:	04/27/2015
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	3
Tank Status:	Currently in Use
FRTYPE:	Guarantee
Expiration Date:	04/27/2015
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	1
Tank Status:	Currently in Use
FRTYPE:	Guarantee
Expiration Date:	04/27/2015
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	2
Tank Status:	Currently in Use
FRTYPE:	Guarantee
Expiration Date:	04/27/2015
Name:	IES RETAIL KUHIO HIGHWAY
Address:	3187 KUHIO HWY
City,State,Zip:	LIHUE, HI 96766
Alt Facility ID:	9-701130
Tank Id:	2

MAP FINDINGS

**IES RETAIL KUHIO HIGHWAY, 3187 KUHIO HWY, LIHUE, HI 96766 (Continued)**

Tank Status: Currently in Use  
 FRTYPE: Insurance  
 Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: 3  
 Tank Status: Currently in Use  
 FRTYPE: Insurance  
 Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: 1  
 Tank Status: Currently in Use  
 FRTYPE: Insurance  
 Expiration Date: 11/01/2021

Name: IES RETAIL KUHIO HIGHWAY  
 Address: 3187 KUHIO HWY  
 City,State,Zip: LIHUE, HI 96766  
 Alt Facility ID: 9-701130  
 Tank Id: r-4  
 Tank Status: Permanently Out of Use  
 FRTYPE: Insurance  
 Expiration Date: 11/01/2021

<b>T &amp; H SERVICE LTD*</b> 3155 KUHIO HWY, LIHUE, HI, 96766			1021471157
◆ A19	W <1/10 5 ft. Lower Elevation	(56 ft. / 0.011 mi.) 205 ft. Above Sea Level	EDR Exclusive Records

**Worksheet:**

**EDR Hist Auto: EDR Exclusive Records**

Year: Name: / Type:

1969: T & H SERVICE LTD\* / Gasoline Service Stations  
 1970: T & H SERVICE LTD\* / Gasoline Service Stations  
 1971: LIHUE SUPER SERVICE / Gasoline Service Stations  
 1972: LIHUE SUPER SERVICE / Gasoline Service Stations

<b>LIHUE SUPER SERVICE</b> 3155 KUHIO HWY, LIHUE, HI, 96766		1021229527
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MAP FINDINGS

◆ A20	W <1/10	(56 ft. / 0.011 mi.)	EDR Exclusive Records
	5 ft. Lower Elevation	205 ft. Above Sea Level	

**Worksheet:**

**EDR Hist Auto: EDR Exclusive Records**

Year:	Name: / Type:
1973:	LIHUE SUPER SERVICE / Gasoline Service Stations
1974:	LIHUE SUPER SERVICE / Gasoline Service Stations
1975:	LIHUE SUPER SERVICE / Gasoline Service Stations
1976:	LIHUE SUPER SERVICE / Gasoline Service Stations
1977:	LIHUE SUPER SERVICE / Gasoline Service Stations
1978:	LIHUE SUPER SERVICE / Gasoline Service Stations
1979:	LIHUE SUPER SERVICE / Gasoline Service Stations
1980:	LIHUE SUPER SERVICE / Gasoline Service Stations
1982:	LIHUE SUPER SERVICE / Gasoline Service Stations
1983:	LIHUE SUPER SERVICE / Gasoline Service Stations
1985:	LIHUE SUPER SERVICE / Gasoline Service Stations
1986:	LIHUE SUPER SERVICE / Gasoline Service Stations
1987:	LIHUE SUPER SERVICE / Gasoline Service Stations
1988:	LIHUE SUPER SERVICE / Gasoline Service Stations
1989:	LIHUE SUPER SERVICE / Gasoline Service Stations
1990:	LIHUE SUPER SERVICE / Gasoline Service Stations
1991:	LIHUE SUPER SERVICE / Gasoline Service Stations
1992:	LIHUE SUPER SERVICE / Gasoline Service Stations
1993:	LIHUE SUPER SERVICE / Gasoline Service Stations
1994:	LIHUE SUPER SERVICE / Gasoline Service Stations
1995:	LIHUE SUPER SERVICE / Gasoline Service Stations
1996:	PARADISE SERVICE INC / Gasoline Service Stations
1996:	LIHUE SUPER SERVICE / Gasoline Service Stations
1997:	LIHUE SUPER SERVICE / Gasoline Service Stations
1997:	PARADISE SERVICE INC / Gasoline Service Stations
1998:	PARADISE SERVICE INC / Gasoline Service Stations
1998:	LIHUE SUPER SERVICE / Gasoline Service Stations
1999:	LIHUE SUPER SERVICE / Gasoline Service Stations
2000:	LIHUE SUPER SERVICE / Gasoline Service Stations
2001:	LIHUE SUPER SERVICE / Gasoline Service Stations
2002:	LIHUE SUPER SERVICE / Gasoline Service Stations

PARADISE SERVICE 3155 JULIO HWY, LIHUE, HI, 96766			1020673160
◆ A21	W <1/10	(56 ft. / 0.011 mi.)	EDR Exclusive Records
	5 ft. Lower Elevation	205 ft. Above Sea Level	

**Worksheet:**

**EDR Hist Auto: EDR Exclusive Records**

MAP FINDINGS

**PARADISE SERVICE, 3155 JULIO HWY, LIHUE, HI 96766 (Continued)**

Year: Name: / Type:  
 2005: PARADISE SERVICE / Gasoline Service Stations  
 2006: PARADISE SERVICE / Gasoline Service Stations  
 2007: PARADISE SERVICE / Gasoline Service Stations  
 2008: PARADISE SERVICE / Gasoline Service Stations  
 2009: PARADISE SERVICE / Gasoline Service Stations  
 2010: PARADISE SERVICE / Gasoline Service Stations  
 2011: PARADISE SERVICE / Gasoline Service Stations  
 2012: PARADISE SERVICE / Gasoline Service Stations  
 2013: PARADISE SERVICE / Gasoline Service Stations  
 2014: PARADISE SERVICE / Gasoline Service Stations

UP TO DATE CLEANERS KAUAI INC 3088 AKAHI ST, LIHUE, HI, 96766			1018728787
▲ 22	SSE <1/10	(297 ft. / 0.056 mi.)	EDR Exclusive Records
	Equal Elevation	210 ft. Above Sea Level	

**Worksheet:**

**EDR Hist Cleaner: EDR Exclusive Records**

Year: Name: / Type:  
 1994: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 1995: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 1996: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 1997: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 1998: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 1999: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents  
 2000: UP TO DATE CLEANERS KAUAI INC / Garment Pressing And Cleaners' Agents

LIHUE POLICE STATION 3060 UMI ST, LIHUE, HI, 96766			U003403009
◆ 23	SSE 1/10 - 1/3	(884 ft. / 0.167 mi.)	State and tribal leaking storage tank lists State and tribal registered storage tank lists
	2 ft. Lower Elevation	208 ft. Above Sea Level	

**Worksheet:**

**LUST: State and tribal leaking storage tank lists**

Facility ID: 9-701067  
 Facility Status: Site Cleanup Completed (NFA)  
 Facility Status Date: 09/07/1999  
 Release ID: 990070  
 Project Officer: Jeffrey Ung

**UST: State and tribal registered storage tank lists**

Facility ID: 9-701067

MAP FINDINGS

**LIHUE POLICE STATION, 3060 UMI ST, LIHUE, HI 96766 (Continued)**

Owner: KAUAI COUNTY - DEPT OF PUBLIC WORKS  
Owner Address: 444 RICE ST. , STE 275 MAIKEHA BLDG  
Owner City,St,Zip: Lihue, 96766 96766  
Latitude: 21.975285  
Longitude: -159.366095  
Horizontal Reference Datum Name: NAD83  
Horizontal Collection Method Name: Address Matching

Tank ID: R-1  
Date Installed: 05/08/1975  
**Tank Status: Permanently Out of Use**  
Date Closed: 11/12/1998  
Tank Capacity: 5000  
Substance: Gasoline

Tank ID: R-2  
Date Installed: 05/07/1953  
**Tank Status: Permanently Out of Use**  
Date Closed: 11/12/1998  
Tank Capacity: 1000  
Substance: Gasoline

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>ENVIRONMENTAL RECORDS</b>						
<b>Federal NPL site list</b>						
US	NPL	National Priority List	EPA	01/30/2020	02/05/2020	02/14/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	01/30/2020	02/05/2020	02/14/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<b>Federal CERCLIS list</b>						
US	SEMS	Superfund Enterprise Management System	EPA	01/30/2020	02/05/2020	02/14/2020
<b>Federal RCRA CORRACTS facilities list</b>						
US	CORRACTS	Corrective Action Report	EPA	12/16/2019	12/16/2019	12/20/2019
<b>Federal RCRA TSD facilities list</b>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
<b>Federal RCRA generators list</b>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
<b>Federal institutional controls / engineering controls registries</b>						
US	LUCIS	Land Use Control Information System	Department of the Navy	11/04/2019	11/13/2019	01/28/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2020	02/20/2020	05/15/2020
<b>Federal ERNS list</b>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/16/2019	12/19/2019	03/06/2020
<b>State and tribal - equivalent CERCLIS</b>						
HI	SHWS	Sites List	Department of Health	04/17/2019	05/21/2019	05/30/2019
<b>State and tribal landfill / solid waste disposal</b>						
HI	SWF/LF	Permitted Landfills in the State of Hawaii	Department of Health	09/20/2019	09/24/2019	11/21/2019
<b>State and tribal leaking storage tank lists</b>						
HI	LUST	Leaking Underground Storage Tank Database	Department of Health	02/25/2020	02/26/2020	05/01/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/04/2019	12/04/2019	02/27/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/15/2019	12/17/2019	02/10/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>State and tribal registered storage tank lists</b>						
HI	UST	Underground Storage Tank Database	Department of Health	02/25/2020	02/26/2020	05/01/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/04/2019	12/04/2019	02/27/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	08/27/2019	08/28/2019	11/11/2019
<b>State and tribal institutional control / engineering control registries</b>						
HI	ENG CONTROLS	Engineering Control Sites	Department of Health	04/17/2019	05/21/2019	05/30/2019
HI	INST CONTROL	Sites with Institutional Controls	Department of Health	04/17/2019	05/21/2019	05/30/2019
<b>State and tribal voluntary cleanup sites</b>						
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
HI	VCP	Voluntary Response Program Sites	Department of Health	04/17/2019	05/21/2019	05/30/2019
<b>State and tribal Brownfields sites</b>						
HI	BROWNFIELDS	Brownfields Sites	Department of Health	04/17/2019	05/21/2019	05/30/2019
<b>Other Records</b>						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2019	01/17/2020	03/06/2020
US	ROD	Records Of Decision	EPA	01/30/2020	02/05/2020	02/14/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	01/30/2020	02/05/2020	02/14/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/16/2019	12/19/2019	02/27/2020
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/30/2020	02/05/2020	02/14/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	Delisted NPL	National Priority List Deletions	EPA	01/30/2020	02/05/2020	02/14/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/30/2020	02/05/2020	02/14/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/05/2019	12/06/2019	02/14/2020

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/02/2019	12/16/2019	03/06/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/28/2020	02/19/2020	05/14/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/06/2019	11/25/2019	01/28/2020
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	12/03/2019	12/03/2019	01/28/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	01/30/2020	02/06/2020	02/14/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	02/05/2020	04/24/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	11/22/2019	12/04/2019	03/02/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/05/2019	11/20/2019	04/17/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/09/2019	12/11/2019	02/27/2020
HI	AIRS	List of Permitted Facilities	Department of Health	12/19/2019	12/23/2019	03/02/2020
HI	CDL	Clandestine Drug Lab Listing	Department of Health	08/04/2010	09/10/2010	10/22/2010
HI	DRYCLEANERS	Permitted Drycleaner Facility Listing	Department of Health	12/19/2019	12/23/2019	03/04/2020
HI	Financial Assurance	Financial Assurance Information Listing	Department of Health	11/25/2019	11/27/2019	01/24/2020
HI	LEAD	Lead Inspection Listing	Department of Health	03/05/2020	03/06/2020	05/15/2020
HI	SPILLS	Release Notifications	Department of Health	11/18/2019	11/19/2019	01/21/2020
HI	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	03/10/2012	01/03/2013	02/11/2013
HI	UIC	Underground Injection Wells Listing	Department of Health	02/07/2013	02/12/2013	04/09/2013
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/18/2020	02/19/2020	05/14/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/05/2020	01/07/2020	03/06/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b><u>HISTORICAL USE RECORDS</u></b>						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
HI	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Health	07/01/2013		01/08/2014
HI	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Health	07/01/2013		01/17/2014
HI	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Health	07/01/2013		01/03/2014

### **STREET AND ADDRESS INFORMATION**

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*Appendix* **D**

**INTERVIEW DOCUMENTATION**



Name: Fred Reyes, P.E. CE IV  
Company: HDOT-Highways Division, Kauai  
Relation to the Property: Civil Engineer State Hwy  
Date: June 4, 2020



### Phase I Environmental Site Assessment Questionnaire

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? If yes, please elaborate. *Not aware of any.*
2. Are you aware of any Activity Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? If yes, please elaborate. *Not aware of any.*
3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, please elaborate. *No specialized knowledge or experience.*
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? *The State highway right-of-way (ROW) is not for sale. Should the Department of Water, County of Kauai seek to purchase a utility easement, and/or to enter into a Use & Occupancy Agreement with the State, I have not been apprised of pending activity, nor of any fair market value.*
5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? If yes, please elaborate. *Not aware.*
  - a. Do you know the past uses of the property? *Yes. the Kuhio Highway ROW in this segment is an active high-volume vehicular transportation corridor. This ROW is immediately adjacent to a variety of retail establishments and a number of County roads, as well as an intersecting State route - Ahukini Road.*
  - b. Do you know of specific chemicals that are present or once were present at the property? *I only know that during its original construction and subsequent improvement and resurfacing projects spanning many decades, common road construction materials are utilized - namely asphalt pavement, bituminous tack coat, and portland cement concrete. Chemicals emitted from passing vehicles include: exhaust fumes from gasoline and diesel engines, and drippings from oil pans, fuel lines/tanks, coolant lines/radiators, brake fluid, and the like. Rarely, herbicides may be applied for vegetation control of grass and weeds in sidewalk areas. Both, overhead utility lines and poles, and subsurface pipelines are present within the State highway ROW. In particular, active-use*

*sanitary sewer lines are present, however I am not aware of any sewage leaks within this segment.*

- c. Do you know of spills or other chemical releases that have taken place at the property? *Not aware of any notable spills or inadvertent releases of chemicals. I have inquired with HDOT's Maintenance Engineer, and he doesn't recall any incidents of this type.*
  - d. Do you know of any environmental cleanups that have taken place at the property? *None that I am aware of.*
  - e. Are or were there any above or below ground storage tanks at the property? *None that I am aware of. Adjacent to the ROW are several gas stations, privately-owned and not in our jurisdiction.*
  - f. Are there any previous environmental site assessments (Phase I ESAs), environmental studies, hazardous materials surveys, etc. that have been performed for the property? *None that I am aware of.*
6. Are you aware of commonly known or reasonably ascertainable information about surrounding properties that would help the environmental professional to identify conditions indicative of releases or threatened releases? If yes, please elaborate. *Adjacent to the ROW are several gas stations, privately-owned and not in our jurisdiction. In addition, in the past and no longer in the area was an automobile lubrication facility. There are several restaurants and cafes adjacent to the ROW.*
- a. Do you know the past uses of surrounding properties? *I only know the ROW area to be a primary transportation corridor. It is possible that prior to construction of this segment of Kuhio Highway in the 1930's or earlier, that the land was cultivated for agricultural use.*
  - b. Do you know of specific chemicals that are present or once were present at surrounding properties? *Yes. Gasoline and diesel fuel are presumably stored at the several gas stations. Grease traps are presumably in the larger restaurants.*
  - c. Do you know of spills or other chemical releases that have taken place at surrounding properties? *None that I am aware of.*
  - d. Do you know of any environmental cleanups that have taken place at surrounding properties? *None that I am aware of.*

e. Are or were there any above or below ground storage tanks at surrounding properties? *I will speculate, but have not verified, that underground fuel storage tanks are present at the several gas stations adjacent to the highway.*

7. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property (i.e., distressed vegetation, staining of soil, discarded chemical/oil drums, chemical odors, etc.)? If yes, please elaborate. *When the highway has experienced heavy rains, I have observed small oil spots in the traffic lanes. No obvious indicators that I can think of.*

8. Current/Past Owners and Contact Information: *Note: I am unable to read text headers in the below boxes, nor to enter text within the boxes.*

*State of Hawaii Dept. of Transportation, 869 Punchbowl Street, Honolulu HI 96813*

	ny	t Information

9. Surrounding Properties - Current/Past Tenants and Contact Information:

*Unknown, presumed multiple and numerous landowners*

	ny	t Information

10. Additional Information/Comments: *None.*

*Appendix* **E**

**SITE RECONNAISSANCE PHOTOGRAPHS**

**Photograph #1****Description of Photograph:**

View of the Lihue Civic Center with a portion of the parking lot in the background. The Civic Center is where the Site Reconnaissance began.

**Photograph Date:**

May 26, 2020

**Photograph #2****Description of Photograph:**

View of the Lihue Civic Center building (left) and the southern boundary of the Site along Kuhio Highway (right).

**Photograph Date:**

May 26, 2020



**Photograph #3**

**Description of Photograph:**

Moving north from the Lihue Civic Center, pictured is the intersection of Kuhio Highway and Hardy Street.

**Photograph Date:**

May 26, 2020



**Photograph #4**

**Description of Photograph:**

View of Hardy Street located directly north of and adjacent to the Lihue Civic Center.

**Photograph Date:**

May 26, 2020





**Photograph #5**

**Description of Photograph:**

Moving north along Kuhio Highway, pictured is the southern portion of the Site. A giftshop and McDonald's are observed west of the highway.

**Photograph Date:**

May 26, 2020



**Photograph #6**

**Description of Photograph:**

The intersection of Kali Road and Kuhio Highway. A 76 gas station is seen in the background, as well as a Chinese food restaurant.

**Photograph Date:**

May 26, 2020

**Photograph #7**

**Description of Photograph:**

A 76 gas station located at the address 3155 Kuhio Highway. No large-scale ground stains were observed.

**Photograph Date:**

May 26, 2020



**Photograph #8**

**Description of Photograph:**

Kali Road. No ground staining, waste or ponding water observed.

**Photograph Date:**

May 26, 2020







**Photograph #9**

**Description of Photograph:**

Kuhio Highway. The commercial structures that bound the Site to the east are pictured in the background.

**Photograph Date:**

May 26, 2020



**Photograph #10**

**Description of Photograph:**

A Texaco gas station located at the street address 3-3187 Kuhio Highway. No large-scale ground staining was observed.

**Photograph Date:**

May 26, 2020

**Photograph #11****Description of Photograph:**

Poinciana Street.

**Photograph Date:**

May 26, 2020

**Photograph #12****Description of Photograph:**

Nakamura Street

**Photograph Date:**

May 26, 2020



**Photograph #13****Description of Photograph:**

Jerves Street

**Photograph Date:**

May 26, 2020

**Photograph #14****Description of Photograph:**

Hiraoka Street

**Photograph Date:**

May 26, 2020



**Photograph #15****Description of Photograph:**

Ahukini Street

**Photograph Date:**

May 26, 2020

**Photograph #16****Description of Photograph:**

Pictured is Oxford Street, which is near the northern boundary of the Site. No ground staining, waste or ponding water was observed.

**Photograph Date:**

May 26, 2020

