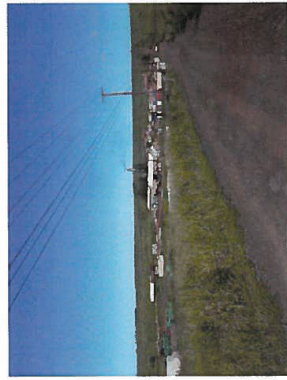


**Miki Basin Industrial Park  
Environmental Assessment**

**Exhibit F**

**Phase I Environmental Site Assessment**

# PHASE I ENVIRONMENTAL SITE ASSESSMENT



**Miki Basin**  
**200 Acre Property**  
**Proposed Industrial Area**  
**Miki Road**  
**(SE of Existing Airport Runway)**  
**Lanai City, Hawaii**

**April 3, 2014**

TRC Project No: 215880

Prepared For:

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**EXECUTIVE SUMMARY**

Subject to the qualifications and limitations stated in Section 1 of this report, TRC Environmental Corporation (TRC) was retained by Lanai Resorts, LLC to perform a Phase I Environmental Site Assessment (ESA) of approximately 200 acres of undeveloped land primarily located on the west side of Miki Road with approximately 35 of the 200 acres located on the east side of Miki Road. The Site is three and a half miles east of the Pacific Ocean and begins approximately 0.7 miles south of Kaunapali Highway in Lanai City, Maui County, Hawaii (herein referred to as the “Site”). TRC’s assessment was conducted in connection with the Clients’ planned renovation of the Site to include light and heavy industrial areas. The Phase I ESA described in this report was performed in accordance with the scope and limitations of the American Society of Testing and Materials Practice E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13). Limitations and/or deviations from the ASTM E 1527-13 standard are described in Section 1.3 of this report.

The Site is currently undeveloped land.

No transformers were observed on the Site. Utility owned pole-mounted transformers are located adjacent to the property area. It is unknown if the transformers may contain polychlorinated biphenyls (PCBs).

Based on information obtained from the site reconnaissance and available information, no underground storage tanks (USTs) or above ground storage tanks (ASTs) are located on the Site.

Freedom of Information Act (FOIA) record reviews were completed by TRC of Hawaii Department of Health’s (DOH) available records. DOH records did not indicate any concerns associated with the Site.

As a result of the Phase I ESA, including but not limited to our visual observation of the Site; review of historical information, environmental databases, and information provided by the User; interviews with the current Site representative; and TRC’s professional judgment, no *recognized environmental conditions* (RECs) associated with the Site, as defined by the ASTM E 1527-13 standard, were identified.

However, potential Vapor Encroachment Conditions (VECs) were identified with respect to the permanently out of use underground storage tank (UST) listing for the nearby Lanai Airport and the following listings for the Maui Electric Company (MECO) facility: Resource Conservation and Recovery Act (RCRA) Conditionally Exempt Small Quantity Generator (CESQG), Toxic Chemical Release Inventory System (TRIS), PCB Activity Database System (PADS) and SPILLS. As such, vapor encroachment onto the Site from this adjacent property could be a possibility, and based on Clients perceived risk, liability and/or corporate policy, may warrant further investigation; however, based on the lack of reported releases and/or associated regulatory status, the Lanai Airport UST and MECO facility identified as VECs have not likely caused a vapor encroachment onto the Site.



### Legal Notice

This document was prepared by TRC solely for the benefit of the Clients. With regard to third-party recipients of this document, neither TRC nor the Clients, nor any of their respective parents, affiliates or subsidiaries, nor any person acting on their behalf: (a) makes any warranty, expressed or implied, with respect to the use of any information or methods disclosed in this document; or (b) assumes any liability with respect to the use of any information or methods disclosed in this document. Any third-party recipient of this document, by its acceptance or use of this document, releases TRC and the Clients, their parents, affiliates and subsidiaries, from any liability for direct, indirect, economic, incidental, consequential or special loss or damage whether arising in contract, warranty, express or implied, tort, or otherwise, and irrespective of fault, negligence, and strict liability.

This Executive Summary is part of this complete report; any findings, opinions or conclusions in this Executive Summary are made in context with the complete report. TRC recommends that the User read the entire report for all supporting information related to findings, opinions and conclusions.

## 1.0 INTRODUCTION

TRC has prepared this Phase I ESA for Lanai Resorts, LLC (hereinafter “Clients” or “Users”).

This report was prepared for and may be relied upon by Clients for the purposes set forth herein; it may not be relied on by any party other than the Clients and reliance may not be assigned without the express approval of TRC. Authorization for third party reliance on this report will be considered by TRC if requested by the Clients. TRC reserves the right to deny reliance on this report by third parties.

### 1.1 Purpose and Scope of Services

The following Phase I ESA was performed for the Site identified as Miki Basin – Proposed Industrial Area 200 Acre Property primarily located on the west side of Miki Road with approximately 35 of the 200 acres located on the east side of Miki Road. The Site is approximately three and a half miles east of the Pacific Ocean and begins approximately 0.7 miles south of Kaunapala Highway in Lanai City, Maui County, Hawaii (hereinafter the “Site”). A Site location map is included as **Figure 1**. This Phase I ESA has been prepared by TRC in accordance with the American Society for Testing and Materials E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-13) and is intended for the sole use of Clients/Users. TRC was authorized to perform this assessment by signed proposal dated February 26, 2014, from Mr. Thomas A. Hoen of Lanai Resorts, LLC (Clients).

The purpose of this assessment is to identify *Recognized Environmental Conditions* (RECs) at the Site, as defined by the ASTM E 1527-13 standard. The completion of this Phase I ESA report may be used to satisfy one of the requirements for the Users to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations pursuant to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), thereby constituting *all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice* as defined by 42 U.S.C. §9601(35)(B) of CERCLA.

TRC understands that this assessment is not funded with a federal grant awarded under the U.S. EPA Brownfields Assessment and Characterization program.

The Scope of Services for this Phase I ESA included the following tasks:

- Site and vicinity reconnaissance;
- Site and vicinity description and physical setting;
- Historical source review and description of historical Site conditions;
- Interviews with owners, operators, and/or occupants of the Site, and/or local officials;
- Review of environmental databases and regulatory agency records;
- Review of previous environmental reports/documentation, as applicable;
- Review of environmental liens, if requested by the Users; and

- Preparation of a report summarizing findings, opinions and conclusions.

Pursuant to the ASTM E 1527-13 standard, recommendations to conduct Phase II sampling or other assessment activities are not required to be included in this report. TRC can provide such recommendations upon request.

### 1.2 Additional Services

Items outside the scope of the ASTM E 1527-13 standard include, but are not limited to:

<ul style="list-style-type: none"> <li>• Asbestos</li> <li>• Radon</li> <li>• Lead-based paint</li> <li>• Lead in drinking water</li> <li>• Wetlands</li> <li>• Regulatory compliance</li> <li>• Cultural and historic resources</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial hygiene</li> <li>• Health and safety</li> <li>• Ecological resources</li> <li>• Endangered species</li> <li>• Indoor air quality including vapor intrusion</li> <li>• Biological agents</li> <li>• Mold</li> </ul>
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### 1.3 Limitations and Deviations

#### 1.3.1 Accuracy and Completeness

The ASTM E 1527-13 standard recognizes inherent limitations for Phase I ESAs that apply to this report, including:

- ❖ Uncertainty Not Eliminated – No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Data gaps identified during this Phase I ESA are listed in Section 7.4.
- ❖ Not Exhaustive – A Phase I ESA is not an exhaustive investigation.
- ❖ Past Uses of the Property – A review of standard historical sources at intervals less than five years is not required.

The Clients is advised that the Phase I ESA conducted at the Site is a limited inquiry into a property's environmental status, cannot wholly eliminate uncertainty, and is not an exhaustive assessment to discover every potential source of environmental liability at the Site. Therefore, TRC does not make a statement i) of warranty or guarantee, express or implied for any specific use; ii) that the Site is free of RECs or environmental impairment; iii) that the Site is "clean"; or iv) that impairments, if any, are limited to those that were discovered while TRC was performing the Phase I ESA. This limiting statement is not meant to compromise the findings of this report; rather, it is meant as a statement of limitations within the ASTM standard and intended scope of this assessment. Specific limitations identified during the Site reconnaissance are described in Section 5.1. Subsurface conditions may differ from the conditions implied by surface observations, and can be evaluated more thoroughly through intrusive techniques that are beyond

the scope of this assessment. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes.

This report presents TRC's site reconnaissance observation, findings, and conclusions as they existed at the time of the Site reconnaissance. TRC makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. TRC makes no guarantees as to the accuracy or completeness of information obtained from others during the course of this Phase I ESA report. It is possible that information exists beyond the scope of this assessment, or that information was not provided to TRC. Additional information subsequently provided, discovered, or produced may alter findings or conclusions made in this Phase I ESA report. TRC is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon reasonably ascertainable information and observed Site conditions at the time of the assessment.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not assessed. Regardless of the findings stated in this report, TRC is not responsible for consequences or conditions arising from facts that were not fully disclosed to TRC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information regarding surrounding area properties was requested for approximate minimum search distances and was assumed to be correct and complete unless obviously contradicted by TRC's observations or other credible referenced sources reviewed during the assessment.

TRC is not a professional title insurance or land surveyor firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

#### 1.3.2 Warranties and Representations

This report does not warrant against: (1) operations or conditions which were not evident from visual observations or historical information provided; (2) conditions which could only be determined by physical sampling or other intrusive investigation techniques; (3) locations other than the Clients-provided addresses and/or legal parcel description; or (4) information regarding off-site location(s) (with possible impact to the Site) not published in publicly available records.

#### 1.3.3 Continued Validity/User Reliance

This report is presumed to be valid, in accordance with, and subject to, the limitations specified in the ASTM E 1527-13 standard, for a period of 180 days from completion, or until the Clients obtains specific information that may materially alter a finding, opinion, or conclusion in this report, or until the Clients is notified by TRC that it has obtained specific information that may

materially alter a finding, opinion, or conclusion in this report. Additionally, pursuant to the ASTM E 1527-13 standard, this report is presumed valid if completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction.

**1.3.4 Deviations to ASTM E 1527-13 Standard**

No significant deviations or deletions to the ASTM standard were made during this Phase I ESA.

**1.3.5 Significant Assumptions**

During this Phase I ESA, TRC relied on database information; interviews with Site representatives; regulatory officials, and other individuals having knowledge of Site operations; and information provided by the Users as requested in our authorized Scope of Work. TRC has assumed that the information provided is true and accurate. Reliance on electronic database search reports is subject to the limitations set forth in those reports. TRC did not independently verify the information provided. TRC found no reason to question the validity of the information received unless explicitly noted elsewhere in this report. If other information is discovered and/or if previous reports exist that were not provided to TRC, our conclusions may not be valid.

**2.0 SITE DESCRIPTION**

**2.1 Site Location and Legal Description**

The Site is identified as portion of Tax Lot 4-9-002:001 and consists of approximately 200 acres of undeveloped land primarily located on the west side of Miki Road with approximately .35 of the 200 acres located on the east side of Miki Road. The Site is approximately three and a half miles east of the Pacific Ocean and begins approximately 0.7 miles south of Kaunualapau Highway in Lanai City, Maui County, Hawaii. The Site is currently owned by Lanai Resorts, LLC. A Site location map is included as **Figure 1**.

**2.2 Site Improvements**

Current on-site improvements are listed in the following table.

Site Feature	Description
Building (stories)	None
Construction date	N/A
Exterior areas	N/A
On-site roads/rail lines	Miki Road
Other large equipment	Utility owned and operated pole-mounted transformers were located adjacent to the property. The transformers were either not accessible or not labeled, and it is and unknown if the transformers may contain PCBs.
Potable water supply	N/A
Sewage disposal system	N/A
Heating/Cooling System	N/A
Back-Up fuel source	N/A
Electricity supplier	Property doesn't currently have service; however, Maui Electric Company serves the entire island.
Storm water system	Runoff

**2.3 Current and Historical Site Use**

**2.3.1 Current Site Use(s)**

The Site is currently undeveloped.

**2.3.2 Previous Owner and Operator Information**

The Site is believed to have always been undeveloped and utilized for agricultural purposes associated with the island's pineapple plantation.

**2.4 Physical Setting**

According to the United States Geological Survey (USGS) topographic map, Lanai City, HI quadrangle dated 1992, the Site is located approximately three and a half miles to the east of the

Pacific Ocean, the Site topographic elevation is approximately 1,247 feet above mean sea level (MSL), and local topography slopes to the west-southwest. Based on local topography and historical environmental reports provided to TRC, as applicable, the assumed direction of shallow ground water flow is to the west-southwest towards the Pacific Ocean. However, a subsurface investigation would be required to determine actual ground water flow direction.

The database radius report supplied by Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut was reviewed to obtain information regarding the dominant soil composition in the Site vicinity. This information is summarized below:

Hydric Status: Unknown  
Soil Surface Texture: Silty Clay Loam  
Soil Component Name: Molokai  
Deeper Soil Types: Molokai Silty Clay Loam

Please refer to the Geotech Physical Setting Source Summary of the EDR report presented in **Appendix A** for further information regarding the soil composition in the Site vicinity.

Per Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map 150030500F (Panel 500 of 825), dated September 19, 2012, the Site is located in Zone X (unshaded). According to FEMA's Flood Zone Designations, Zone X represents a minimal flood hazard; that is those areas outside the Special Flood Hazard Area (SFHA) and higher than the elevation of the 0.2-percent-annual-chance flood. The FEMA Flood Insurance Rate Map is provided in **Appendix E**.

### 3.0 USER PROVIDED INFORMATION

According to the ASTM E 1527-13 standard, certain tasks that may help identify the presence of RECs associated with the Site are generally conducted by the Phase I ESA User. These tasks include: reviewing title records for environmental liens or activity and land use limitations; providing specialized knowledge related to RECs at the Site (e.g., information about previous ownership or environmental litigation); and providing explanations for significant reduction in the Site purchase price. A list of requested information was included in TRC's proposal date and executed February 26, 2014 (see Section 1.1). The information was provided by the User on March 20, 2014 and is included in **Appendix B**.

#### 3.1 Title & Judicial Records for Environmental Liens or Activity and Use Limitations

The User did not provide any information regarding environmental concerns associated with title or judicial records, or the existence of environmental liens or activity and use limitations (AULs) for the Site. Completion of an additional title and judicial record search was requested by the User.

The environmental lien and AUL search report supplied by EDR of Shelton, Connecticut indicated environmental liens and AULs were not found for the Site and a copy of the EDR search report is included in **Appendix C**.

#### 3.2 Specialized Knowledge

The User did not provide any specialized knowledge related to potential RECs at the Site.

#### 3.3 Property Value Reduction Issues

The User did not provide any property valuation reduction issues regarding the Site.

#### 3.4 Commonly Known or Reasonably Ascertainable Information

TRC was supplied with commonly known and/or reasonably ascertainable information regarding the Site by Mr. Thomas A. Hoen of Lanai Resorts, LLC. This information was used during this Phase I ESA and has been incorporated in this report as applicable.

#### 3.5 Reason for Conducting Phase I

TRC understands that the Users require a Phase I ESA as part of a study to pursue land use approval to use the land as an industrial park. According to the Users, the land is currently zoned as agricultural.

## 4.0 RECORDS REVIEW

### 4.1 Sources of Information

Information regarding Site and vicinity historical uses was obtained from various publicly available and practically reviewable sources including: aerial photographs; topographic maps; city directories; local municipal records; an environmental database report; and interviews with Site representative(s) and regulatory agency official(s), as necessary. The historical documents were obtained from Environmental Data Resources (EDR) and are included in **Appendix C**.

### 4.2 Historical Use Information

Historical use information regarding the Site and surrounding properties was obtained from available municipal records as well as aerial photographs (scale: 1" = 750') dated 1952; aerial photographs (scale: 1" = 500') dated 1992; topographic maps dated 1984 and 1992; and city directories from 1997, 1999 and 2103.

#### 4.2.1 Site History

##### Operational History

Year	Site History
1920 – Present	Lanai City was reportedly first developed in the early 1920's. The Site appears undeveloped.

It does not appear that topographic contours in the Site area have significantly changed during the time period reviewed.

##### Hazardous Substances

No hazardous substances or petroleum products were observed at the Site during the Site reconnaissance.

### 4.2.2 Adjoining Property and Surrounding Property History

Year	Adjoining Property History
1993 – Present	Review of historic aerial photographs and topographic maps depict the area to the northwest of the site as property used for the Lanai Airport. According to the Maui County Tax Assessor Website, the MECO Power Plant Facilities were developed with three large warehouse structures in 1996 north of the warehouse structure. All other areas surrounding the Site are depicted as undeveloped land utilized for agricultural and pineapple plantation activities. Pineapple plantation activities ceased operation in 1992.
1977 – 1992	Review of historic aerial photographs and topographic maps depict the area to the northwest of the site as area property used for the Lanai Airport. A storage warehouse structure is reportedly developed to the west of Miki Road to the east of the Site in 1977. All other areas surrounding the Site are depicted as undeveloped land utilized for agricultural and pineapple plantation activities.
1952 – 1976	Review of historic aerial photographs and topographic maps depict the area to the northwest of the site as area property used for the Lanai Airport. All other areas surrounding the Site are depicted as undeveloped land utilized for agricultural and pineapple plantation activities.
1920 – 1952	Lanai City was reportedly first developed in the early 1920's. The Site appears undeveloped.

#### 4.3 Database Report

A database search report that identifies properties listed on state and federal databases within the ASTM-required radii of the Site was obtained from EDR and is included in **Appendix A**. The environmental database report identified 21 properties/listings. These properties included those that could be mapped and those that could not (i.e., orphan properties).

##### Subject Site

The Site was not identified within any of the databases searched with the identified ASTM-required radii of the Site.

##### Adjacent and Surrounding Properties

TRC evaluated the following factors to determine whether additional environmental records with respect to the adjoining and/or surrounding properties should be reviewed:

- (1) Whether the property is up-gradient or down-gradient of the Site based on the local topography and the assumed south-southwest shallow ground water flow direction;
- (2) Property case status (e.g., whether the Hawaii Department of Health has issued a No Further Action letter, etc.);
- (3) Type of database and whether the presence of contamination is known; and
- (4) The distance between the listed property and the Site.



In addition, the *Comprehensive Environmental Response, Compensation, and Liability Act* (CERCLA) 42 U.S.C. § 9601(22) defines a “release” as “any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discharging of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant).” According to CERCLA, the term “environment” includes (A) the navigable waters, the waters of the contiguous zone, and the ocean waters...and (B) any other surface water, groundwater, drinking water supply, land surface or subsurface strata...” Given that CERCLA and the *All Appropriate Inquiries Final Rule 40 CFR Part 312* do not differentiate by form (e.g., solid, liquid, vapor) of the release to the environment, Section 2.1 of ASTM E1527 Standard indicates that, “Vapor migration must be considered no differently than contaminated groundwater migration in the Phase I investigation.” Vapor intrusion generally occurs when there is a migration of volatile chemicals from contaminated groundwater or soil into an overlying building. Volatile chemicals can emit vapors that may migrate through subsurface soils and into indoor air spaces of overlying buildings. Volatile chemicals may include volatile organic compounds, select semi-volatile organic compounds, and some inorganic analytes. In accordance with ASTM E2600 - 10 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, listings for potential volatile organic compounds (VOC) impacted properties located within 1,760-foot radius of the Site and listings for potential petroleum-impacted properties located with a 520-foot radius of the Site were reviewed as a component of this investigation. Potential Vapor Encroachment Conditions (VECs) were identified for properties located within the referenced radii.

Based on this evaluation, TRC limited the review of additional environmental records to the properties listed below, since the potential for contamination to be migrating to the Site from the other properties identified by the database search is considered low.

Facility Name and/or Address	Lanai Airport – Lanai City, HI
Approximate Location Relative to Site	0.001 miles to the northwest
EDR Map No.	1
Databases	UST
Description/ID Number	UST – U003222164
Presumed Hydrogeologic Setting	Up-gradient
Database Review Summary	This property had one 350 gallon UST that was reportedly closed in 1994 and currently listed as Permanently Out of Use. This facility is within the 520-foot radius for potential petroleum-impacted properties and is within the 1,760-foot radius for potential VOC-impacted properties and meets the definition of a VEC based on ASTM 2600 – 10. However, based on the current regulatory status, it is not expected that vapor migration is presently a concern to the Site.



Facility Name and/or Address	Maui Electric Company – 1001 N Miki Road, Lanai City, HI
Approximate Location Relative to Site	Southeast of the Site property boundary
EDR Map No.	Orphan Listing
Databases	RCKRA-CESQG, PADS, SPILLS, US AIRS, AIRS, TRIS, HAZNET and FINDS
Description/ID Number	Reference Database Report in Appendix A.
Presumed Hydrogeologic Setting	Cross-gradient
Database Review Summary	This property has multiple listings including three small quantity spills and is a generator of small quantities of hazardous waste; however two of the three listings have been reported as cleaned up with No Further Action (NFA) status issued. The property is also equipped with AST's associated with the power generation plant. This facility is within the 520-foot radius for potential petroleum-impacted properties and is within the 1,760-foot radius for potential VOC-impacted properties and meets the definition of a VEC based on ASTM 2600 – 10. However, based on the current regulatory status, it is not expected that vapor migration is presently a concern to the Site.

According to the regulatory database report, EDR did not identify any historical auto stations (i.e., gasoline stations, filling stations, automobile repair shops, auto service stations, etc.) or historical cleaners (e.g., dry cleaners, laundromats, laundry services, wash & dry establishments, etc.) within ¼ of a mile of the Site.

**4.4 Previous Reports**

No environmental reports related to the Site were provided to TRC for review and inclusion into this report.

**4.5 Other Environmental Record Sources**

Per the ASTM standard, local or additional state records were reviewed to enhance and supplement the ASTM-required federal and state records reviewed and discussed earlier in this report. Local sources that were contacted to obtain this information include: the Hawaii Department of Health, the Lanai Fire Station, the Maui County Tax Assessor, and the Maui County Department of Environmental Management. Information from these sources is discussed below:

Source	Available Information
Hawaii Department of Health	According to information provided via online public records, the Hawaii Department of Health does not appear to have any records pertaining to the Site.



Source	Available Information
Maui County Tax Assessor	According to information provided via online public records, the Maui County Tax Assessor has identified the Site as a portion of Tax Lot 4-9-002-001. Additional property size and ownership information was also provided. MECO Power Plant facility is identified as Tax Lot 4-9-002-050 and is 5 acres.
Maui County Environmental Management Department	According to information provided via online public records, the Maui County Environmental Management Department does not appear to have any records pertaining to the Site.
Maui County – Planning Department	Lanai Fire Department Captain, Todd McDonald, was unaware of any chemical spills or hazardous waste concerns at the Site.

## 5.0 SITE RECONNAISSANCE

### 5.1 Methodology and Limiting Conditions

Ms. Kacey Swindle and Mr. Ron Landolt conducted a Site reconnaissance of accessible areas on and around the Site on March 11, 2014, for the purpose of identifying potential RECs, and were unaccompanied during the Site reconnaissance. Photographs taken during the reconnaissance are provided in **Appendix D**.

### 5.2 Interior and Exterior Site Observations

Unless otherwise noted, the items listed in the table below appeared in good condition with no visual evidence of staining, deterioration or a discharge of hazardous materials; and there are no records of a release in these areas. Items where further description is warranted are discussed in the section(s) following the table.

Item	Present (Yes/Yes-Historic/No)	Description
Hazardous material storage or handling areas	No	
Aboveground storage tanks (ASTs) and associated piping	No	
Underground storage tanks (USTs) and associated piping	No	
Drums & containers (>5 gallons)	No	
Odors	No	
Pools of liquid, including surface water bodies and sumps (handling hazardous substances or substances likely to be hazardous only)	No	
Polychlorinated Biphenyls (PCBs) / Transformers	No	
Stains or corrosion	No	
Drains & sumps	No	
Pits, ponds & lagoons	No	
Stressed vegetation	No	
Historic fill or any other fill material	No	
Waste water (including storm water or any discharge into a drain, ditch, underground injection system, or stream on or adjacent to the Site)	No	
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)	No	
Septic systems or cesspools	No	

**5.2.1 Hazardous Substances**

Hazardous substances and petroleum products were not observed at the Site during the Site reconnaissance.

**5.3 Adjoining and Surrounding Properties Reconnaissance**

**5.3.1 Adjoining Properties**

Direction from Site	Current Land Use Description
North	Undeveloped land with Kaunala Highway beyond
East	MECO Power Plant Facility and the storage warehouse, metal scrapyard and Maui disposal Sites are located to the east of the Site property boundary along with Miki Road followed by undeveloped land
South	Undeveloped land
West	Undeveloped land with the Lanai City Airport to the northwest

TRC observed one 55 gallon metal drum partially filled with gasoline, one 55 gallon plastic drum partially filled with oil and one 5 gallon bucket with an unknown material located on a wooden pallet in an unsecured plastic truck bed liner in the metal scrapyard area located on the existing industrial facility owned and operated by Lanai Resorts, LLC to the east of the Site and south of the MECO facility. Reportedly these materials were in the process of being removed from the site, and TRC did not observe any evidence of spills or releases associated with the materials.

**5.3.2 Surrounding Properties**

The local setting is predominantly undeveloped land with the exception of the MECO Plant and the existing Lanai Resorts, LLC industrial facility between the Site and Miki Road as well as the Lanai City airport to the northwest of the Site.

**6.0 INTERVIEWS**

The following persons were interviewed to obtain historically and/or environmentally-pertinent information regarding RECs associated with the Site.

- Mr. Thomas A. Hoen of Lanai Resorts, LLC – Director of Development and Construction
- Mr. Wayne Ishizaki of Lanai Resorts, LLC – Site Contact
- Mr. Todd McDonald of Lanai Fire Department - Chief

The information provided by each is discussed and referenced in the text and/or provided below. Other references and sources of information are included in **Appendix E**.

Mr. Hoen was unaware of any hazardous materials incidents, spills, illegal dumping, or any other potential environmental threats or conditions that may pose a past, present, or material threat of release to the Site.

Mr. Ishizaki was unaware of any hazardous materials incidents, spills, illegal dumping, or any other potential environmental threats or conditions that may pose a past, present, or material threat of release to the Site.

Mr. McDonald was unaware of any hazardous materials incidents, spills, or any other potential environmental threats or conditions that may pose a past, present, or material threat of release to the Site.

## 7.0 FINDINGS, OPINIONS AND CONCLUSIONS

Potential findings can include RECs, historical RECs (HRECs), and *de minimis* conditions, pursuant to the ASTM E 1527-13 standard.

RECs are defined as the presence or likely presence of any *hazardous substances* or *petroleum products* on a property under conditions that indicate an existing release, a past release, or a *material threat* of a release of any *hazardous substances* or *petroleum products* into structures on the property or into the ground, ground water, or surface water of the property. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

HRECs are defined as an environmental condition which in the past would have been considered a REC, but which may or may not be considered a REC currently.

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 at the 200 acre property located on the west side of Miki Road with approximately 35 of the 200 acres located on the east side of Miki Road in Lanai City, Maui County, Hawaii (Site); see **Appendices F and G**. Deviations from this practice are described in Section 1.3 of this report.

### 7.1 RECs

This assessment has revealed no evidence of RECs in connection with the Site.

### 7.2 HRECs

This assessment has revealed no evidence of HRECs in connection with the Site.

### 7.3 De Minimis Conditions

This assessment has revealed no evidence of *de minimis* conditions in connection with the Site.

### 7.4 Data Gaps

TRC has made an appropriate inquiry into the commonly known and reasonably ascertainable resources concerning the historical ownership and use of the Site back to the first development per 40 CFR Part 312.24 (*Reviews of Historical Sources of Information*). TRC did not identify any data gaps during this assessment.

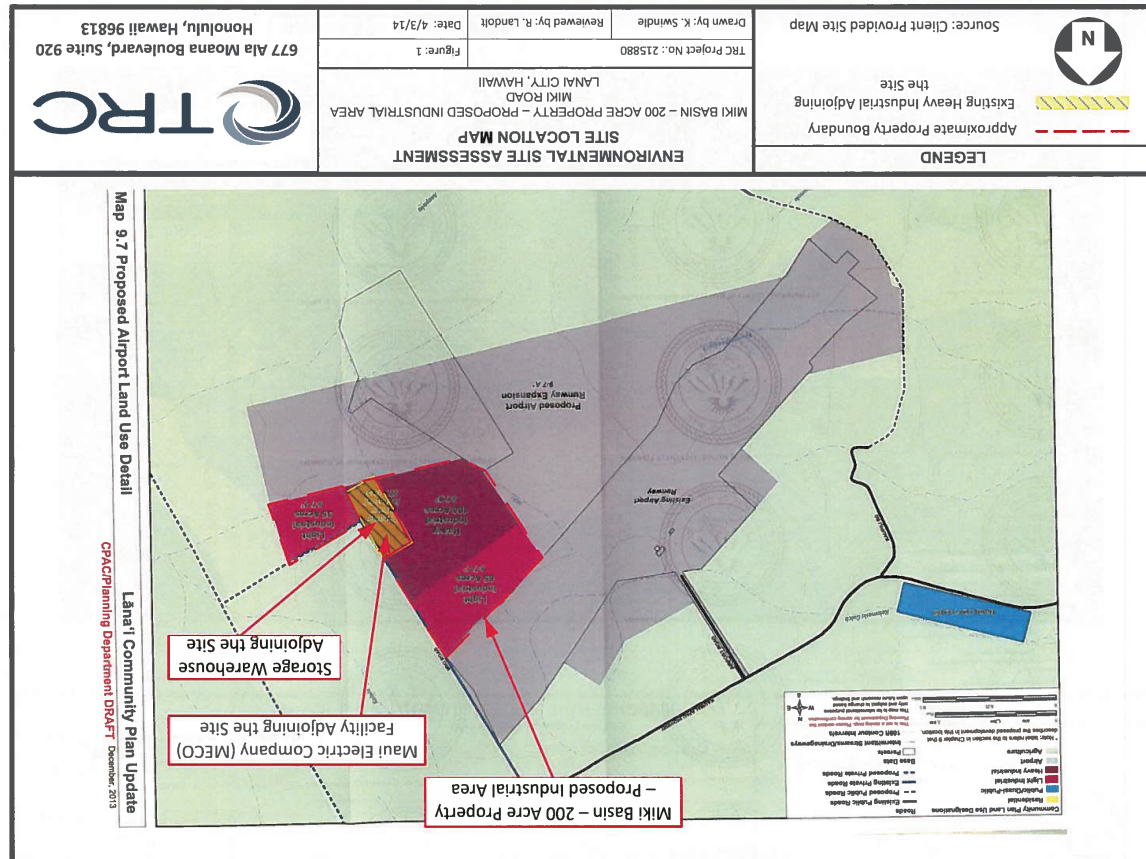
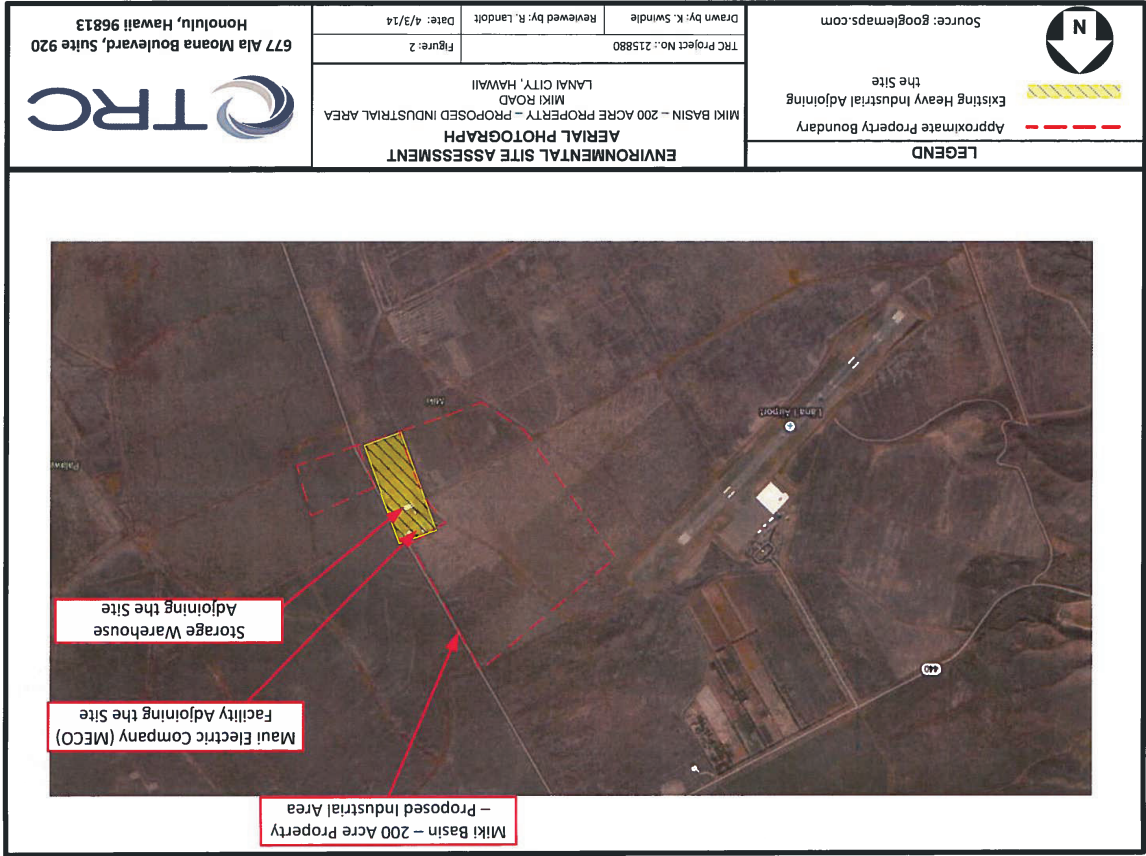
## 8.0 REFERENCES

Description/Title of document(s) received or agency contacted	Date information request filled/date of agency contact	Information Updated	Reference source
Environmental Data Resources	March 10, 2014	N/A	<a href="http://www.edrnet.com/">http://www.edrnet.com/</a>
Federal Emergency Management Agency	March 31, 2014	N/A	<a href="http://www.fema.gov/">http://www.fema.gov/</a>
Hawaii Department of Health	March 10, 2014	N/A	<a href="http://health.hawaii.gov">http://health.hawaii.gov</a>
Maui County Fire Department	March 11, 2014	N/A	Chief Todd McDonald via in person interview
Maui County – Assessor, Planning, Environmental Management	March 12, 2014	N/A	<a href="http://www.co.maui.hi.us">http://www.co.maui.hi.us</a>

## **9.0 ADDITIONAL SERVICES**

No additional services were performed for the Site during this Phase I ESA.

## **FIGURES**



Lanai Community Plan Update  
 GRAC Planning Department DBA-F1 December 2013  
 Map 9.7 Proposed Airport Land Use Detail

**Miki Basin - 200 Acre Industrial Site**  
Miki Road & Kaunapau Highway  
Lanai City, HI 96763

Inquiry Number: 3875991.2s  
March 10, 2014

APPENDIX A

DATABASE RADIUS REPORT

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
www.edrnet.com

# 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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

**TARGET PROPERTY INFORMATION**

**ADDRESS**

MIKI ROAD & KAUMALAPAU HIGHWAY  
LANAI CITY, HI 96763

**COORDINATES**

Latitude (North): 20 7904000 - 20 47' 25.44"  
Longitude (West): 156 9375000 - 156 56' 15.00"  
Universal Transverse Mercator: Zone 4  
UTM X (Meters): 714689.2  
UTM Y (Meters): 2300187.0  
Elevation: 1247 ft. above sea level

**USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

Target Property Map: 20156-G8 ISLAND OF LANAI OE NW, HI  
Most Recent Revision: Not reported

**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/De-listed NPL site list**

De-listed NPL..... National Priority List Deletions

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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

### Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### 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-LOG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### Federal Institutional controls / engineering controls registries

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

### Federal ERNS list

ERNS..... Emergency Response Notification System

### State- and tribal - equivalent CERCLIS

SHWS..... Sites List

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

SWF/IF..... Permitted Landfills in the State of Hawaii

### State and tribal leaking storage tank lists

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

### State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

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

ENG CONTROLS..... Engineering Control Sites

## EXECUTIVE SUMMARY

INST CONTROL..... Sites with Institutional Controls

### State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Response Program Sites

### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

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

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Listing  
US HIST CDL..... National Clandestine Laboratory Register

#### Local Land Records

LIENS 2..... CERCLA Lien Information

#### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Release Notifications  
SPILLS 90..... SPILLS 90 data from FirstSearch

#### Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

## EXECUTIVE SUMMARY

SSTS..... Section 7 Tracking Systems  
 ICIS..... Integrated Compliance Information System  
 PADS..... PCB Activity Database System  
 MLTS..... Material Licensing Tracking System  
 RADINFO..... Radiation Information/Facility Registry System  
 FINIDS..... Facility Index System/Facility Registry System  
 RAATS..... RCRA Administrative Action Tracking System  
 RMP..... Risk Management Plan  
 UIC..... Underground Injection Wells Listing  
 DRYCLEANERS..... Permitted Drycleaner Facility Listing  
 AIRS..... List of Permitted Facilities  
 INDIAN RESERV..... Indian Reservations  
 SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
 LEAD SMELTERS..... Lead Smelter Sites  
 2020 COR ACTION..... 2020 Corrective Action Program List  
 EPA WATCH LIST..... EPA WATCH LIST  
 COAL ASH DOE..... Steam-Electric Plant Operation Data  
 PCB TRANSFORMER..... PCB Transformer Registration Database  
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
 US FIN ASSUR..... Financial Assurance Information  
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
 PRP..... Potentially Responsible Parties  
 Financial Assurance..... Financial Assurance Information Listing

### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
 EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations  
 EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

#### EDR RECOVERED GOVERNMENT ARCHIVES

#### Exclusive Recovered Govt. Archives

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

#### 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 higher than the target property have been differentiated below from sites with an elevation lower than the target property. The first 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

#### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 12/04/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LANAI AIRPORT (PMID LNY620123)	LANAI AIRPORT	WNW 0 - 1/8 (0.001 mi.)	1	7

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

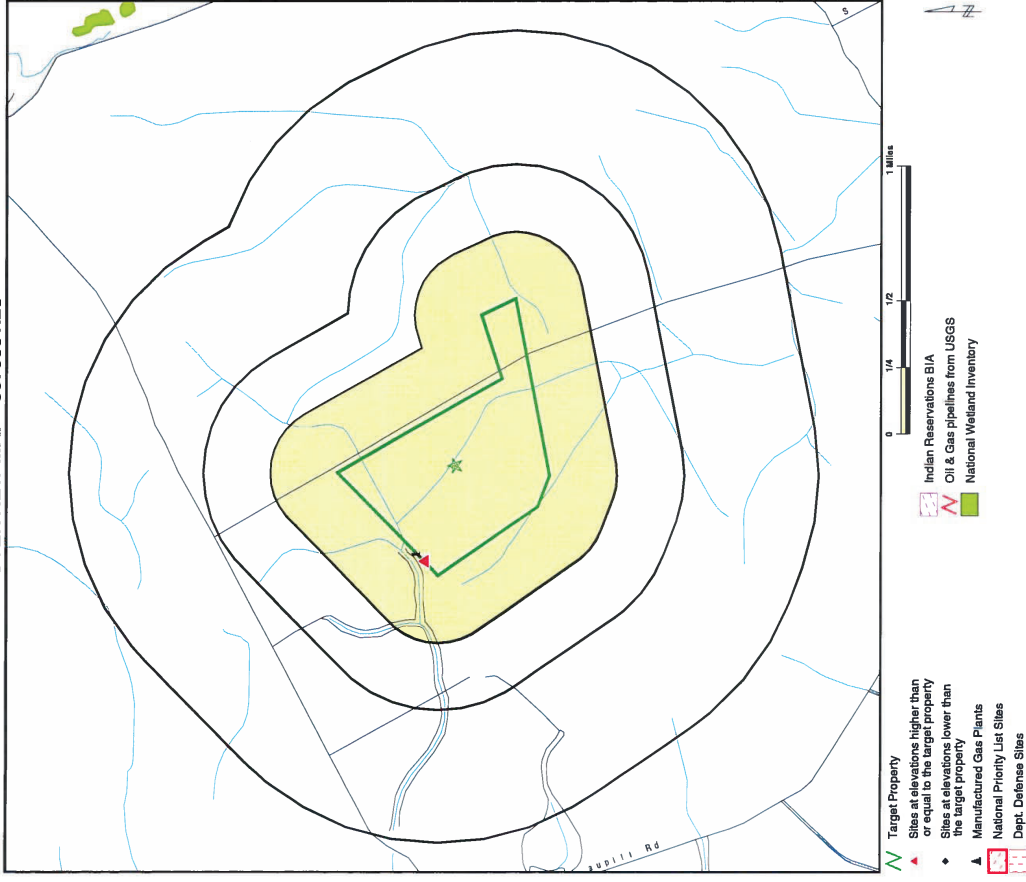
### Site Name

CASTLE & COOKE - MANELE BAY  
 MAUI ELECTRIC CO - MIKI BASIN  
 DOLE PLANTATION  
 LANAI LANDFILL  
 DOLE PLANTATION (PALAWAI & 5319 BA  
 LANAI LDFL  
 LANAI DUMP SITE PALAWI BASIN  
 LANAI DRUM SITE NO. 3  
 LANAI DRUM SITE NO. 2  
 LANAI DUMP SITE  
 LANAI DRUM SITE NO. 1  
 TRANSPORTATION SECURITY ADMINISTRA  
 KAUMALAPAU PETROLEUM TERMINAL  
 MIKI BASIN GENERATING STATION  
 FAA - LANAI  
 CASTLE & COOKE - MANELE BAY  
 MIKI BASIN PAVING & FENCING  
 MORRIS, CHARLES AND ROSS, NORMAN -  
 MIKI BASIN GENERATING STATION  
 MAUI ELECTRIC CO LTD MIKI BASIN PO

### Databases(s)

US AIRS  
 FINDS, US AIRS  
 RCRA-TSDF, CERC-NFRAP, RCRA  
 NonGen / NLR, FINDS  
 SHWS, RGA, HWS  
 SHWS, RGA, HWS  
 CERC-NFRAP  
 CERC-NFRAP  
 CERC-NFRAP  
 CERC-NFRAP  
 CERC-NFRAP  
 CERC-NFRAP  
 RCRA-CESQG  
 RCRA-CESQG, FINDS  
 RCRA-CESQG, PADS  
 FINDS  
 FINDS  
 FINDS  
 SPILLS, AIRS  
 HAZNET

## OVERVIEW MAP - 3875991.2s



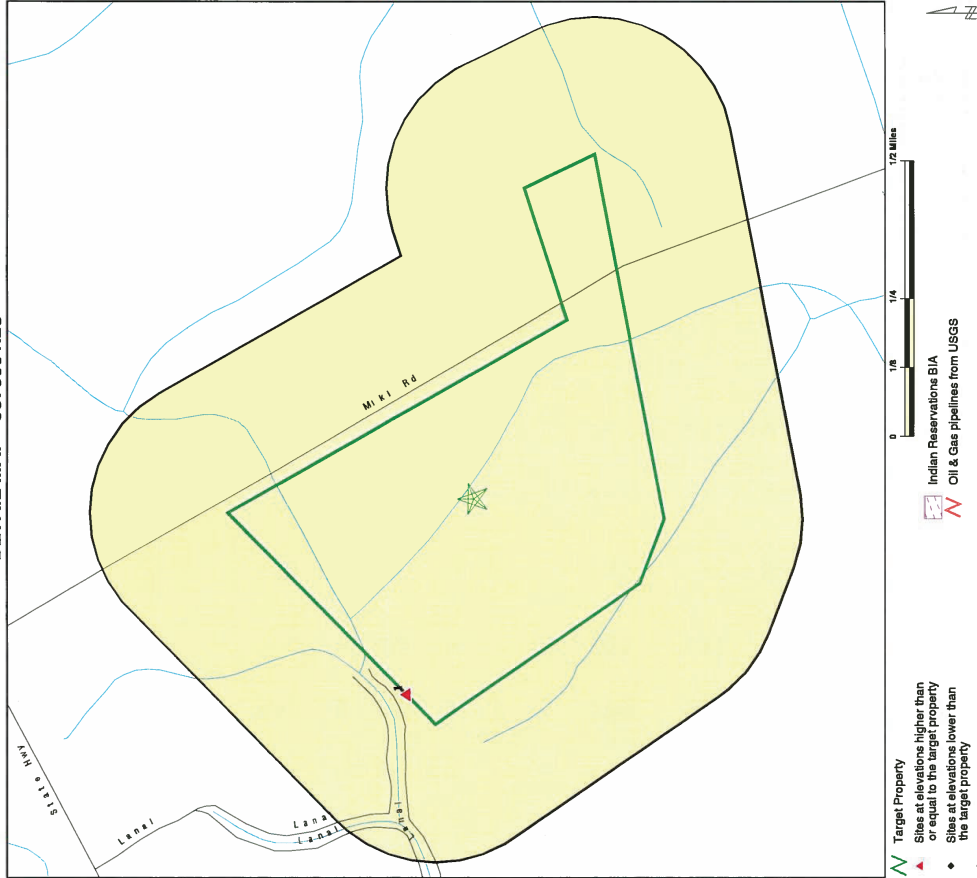
This report includes Interactive Map Layers to view map information. The legend includes only those icons for the default map view.

SITE NAME: Miki Basin - 200 Acre Industrial Site  
 ADDRESS: Miki Road & Kaunapau Highway  
 Lanai City HI 96763  
 LAT/LONG: 20.7904 / 156.9375

CLIENT: TRC  
 CONTACT: Ron Landolt  
 INQUIRY #: 3875991.2s  
 DATE: March 10, 2014 5:26 pm

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**DETAIL MAP - 3875991.2s**



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

<p><b>SITE NAME:</b> Miki Basin - 200 Acre Industrial Site  <b>ADDRESS:</b> Miki Road &amp; Kaunalaapau Highway  <b>LAT/LONG:</b> 20.7504 / 156.5375</p>	<p><b>CLIENT:</b> TRC  <b>CONTACT:</b> Ron Landolt  <b>INQUIRY #:</b> 3875991.2s  <b>DATE:</b> March 10, 2014 5:26 pm</p>
--	---

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**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>								
<i>Federal NPL site list</i>								
NPL	1,000		0	0	0	0	0	0
Proposed NPL	1,000		0	0	0	0	0	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1,000		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	0	0	0
FEDERAL FACILITY	0.500		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	0	0	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1,000		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	0	0	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	0	0	0	0
RCRA-SQG	0.250		0	0	0	0	0	0
RCRA-CESQG	0.250		0	0	0	0	0	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	0	0	0
US INST CONTROL	0.500		0	0	0	0	0	0
LUCIS	0.500		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1,000		0	0	0	0	0	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SMF/LF	0.500		0	0	0	0	0	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	0	0	0
INDIAN LUST	0.500		0	0	0	0	0	0
<i>State and tribal registered storage tank lists</i>								
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
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		0	0	NR	NR	NR	0
INST CONTROL	0.500		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	NR	NR	NR	0
VCP	0.500		0	0	NR	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	NR	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	NR	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	0.500		0	0	NR	NR	NR	0
ODI	0.500		0	0	NR	NR	NR	0
INDIAN ODI	0.500		0	0	NR	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1,000		0	0	0	0	0	0
FUDS	1,000		0	0	0	0	0	0
CONSENT	1,000		0	0	0	0	0	0
ROD	1,000		0	0	0	0	0	0
UMTRA	0.500		0	0	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	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
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1,000		0	0	0	0	0	
SCRD DRYCLEANERS	0.500		0	0	NR	NR	NR	
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	
2020 COR ACTION	0.250		0	0	NR	NR	NR	
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	
COAL ASH DOE	TP		NR	NR	NR	NR	NR	
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	
COAL ASH EPA	0.500		0	0	NR	NR	NR	
US FIN ASSUR	TP		NR	NR	NR	NR	NR	
US AIRS	TP		NR	NR	NR	NR	NR	
PRP	TP		NR	NR	NR	NR	NR	
Financial Assurance	TP		NR	NR	NR	NR	NR	
<b>EDR HIGH RISK HISTORICAL RECORDS</b>								
<b>EDR Exclusive Records</b>								
EDR MGP	1,000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0
<b>EDR RECOVERED GOVERNMENT ARCHIVES</b>								
<b>Exclusive Recovered Govt. Archives</b>								
RGALF	TP		NR	NR	NR	NR	NR	0
RGALUST	TP		NR	NR	NR	NR	NR	0
RGALHWS	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID: WINW  
 Direction: <1/8  
 Distance: 0.001 mi.  
 Elevation: 7 ft.

MAP FINDINGS

EDR ID Number: U003222164  
 EPA ID Number: N/A

1 LANAI AIRPORT (PMID LNY620123)  
 WINW LANAI AIRPORT  
 <1/8 LANAI CITY, HI 96763  
 0.001 mi.  
 7 ft.

UST:  
 Facility ID: 9-402985  
 Owner: STATE DOT - AIRPORTS DIVISION  
 Owner Address: Not reported  
 Owner City, St, Zip: Lanai City, 96763 96763  
 Tank ID: R-1  
 Date Installed: Not reported  
 Tank Status: Permanently Out of Use  
 Date Closed: 06/29/1994  
 Tank Capacity: 350  
 Substance: Diesel

Database(s): UST

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LANAI CITY	1003879123	LANAI LDFL	LANAI	96763	CERC-NFRAP
LANAI CITY	1015932482	FAA - LANAI	P O BOX 722	96763	CERC-NFRAP
LANAI CITY	1007447440	TRANSPORTATION SECURITY ADMINISTRA	KUMALAPAU HWY	96763	RORA-CESQG
LANAI CITY	1008619457	LANAI LANDFILL	KUMALAPAU HWY	96763	SHWS, RGA HWS
LANAI CITY	1000146613	KUMALAPAU PETROLEUM TERMINAL	KUMALAPAU HIGHWAY	96763	RORA-CESQG, FINDS
LANAI CITY	1016070959	CASTLE & COOKE - MANELE BAY	MANELE BAY FACILITY	96763	US AIRS
LANAI CITY	1008282103	CASTLE & COOKE - MANELE BAY	MANELE BAY FACILITY	96763	HAZNET
LANAI CITY	S11383480	MAUI ELECTRIC CO LTD MIKI BASIN PO	1001 N MIKI RD	96763	SPILLS, AIRS
LANAI CITY	S107769303	MIKI BASIN GENERATING STATION	1001 N MIKI RD	96763	RORA-CESQG, PADS
LANAI CITY	1010166528	MIKI BASIN PAVING & FENCING	MIKI ROAD	96763	FINDS
LANAI CITY	1007092130	MIKI BASIN GENERATING STATION	1001 NORTH MIKI RD.	96763	SHWS, RGA HWS
LANAI CITY	1001024214	MAUI ELECTRIC CO - MIKI BASIN	1001 N MIKI RD	96763	FINDS, US AIRS
LANAI CITY	1006620213	DOLE PLANTATION (PALAWAI & 5319 BA	PALAWAI ST	96763	RORA-TSPF, CERC-NFRAP, RORA
LANAI CITY	1000198027	DOLE PLANTATION	PALAWAI & 5319 BASINS	96763	NonGen / NLR, FINDS
LANAI ISLAND	1003879695	LANAI DUMP SITE PALAWI BASIN	BOUNDED BY FIELDS NO. 5429, 54	96763	CERC-NFRAP
LANAI ISLAND	1003879695	LANAI DRUM SITE NO. 3	NORTHWEST OF FIELDS # 5319	96763	CERC-NFRAP
LANAI ISLAND	1003879694	LANAI DRUM SITE NO. 2	SOUTH OFF MIKI ROAD	96763	CERC-NFRAP
LANAI ISLAND	1003879696	LANAI DUMP SITE	SOUTHEAST OF FIELD #5311	96763	CERC-NFRAP
LANAI ISLAND	1003879693	LANAI DRUM SITE NO. 1	SOUTHWEST OF FIELD #53190	96763	CERC-NFRAP
MAUI COUNTY	1015780556	MORRIS, CHARLES AND ROSS, NORMAN -	SEE BELOW		FINDS

ORPHAN SUMMARY

Count: 20 records

## 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 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.

Source: EPA  
 Telephone: N/A  
 Date Data Arrived at EDR: 11/11/2013  
 Last EDR Contact: 01/21/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Number of Days to Update: 78  
 Data Release Frequency: Quarterly

#### NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone: 214-655-6659

EPA Region 3

Telephone: 913-551-7247

EPA Region 4

Telephone: 404-562-8033

EPA Region 5

Telephone: 312-886-6686

EPA Region 10

Telephone: 206-553-6865

#### 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.

Source: EPA  
 Telephone: N/A  
 Date Data Arrived at EDR: 11/11/2013  
 Last EDR Contact: 01/09/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Number of Days to Update: 78  
 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.

Source: EPA  
 Telephone: 202-564-4367  
 Date Data Arrived at EDR: 02/02/1994  
 Last EDR Contact: 08/15/2011  
 Next Scheduled EDR Contact: 11/28/2011  
 Number of Days to Update: 56  
 Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### 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.

Source: EPA  
 Telephone: N/A  
 Date Data Arrived at EDR: 11/11/2013  
 Last EDR Contact: 01/09/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Number of Days to Update: 78  
 Data Release Frequency: Quarterly

#### Federal CERCLIS list

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System  
 CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Source: EPA  
 Telephone: 703-412-9810  
 Date Data Arrived at EDR: 11/11/2013  
 Last EDR Contact: 02/28/2014  
 Next Scheduled EDR Contact: 06/09/2014  
 Number of Days to Update: 94  
 Data Release Frequency: Quarterly

#### 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.

Source: Environmental Protection Agency  
 Telephone: 703-603-8704  
 Date Data Arrived at EDR: 07/08/2013  
 Last EDR Contact: 01/10/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Number of Days to Update: 151  
 Data Release Frequency: Varies

#### Federal CERCLIS MFRAP site list

#### CERCLIS-MFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Source: EPA  
 Telephone: 703-412-9810  
 Date Data Arrived at EDR: 11/11/2013  
 Last EDR Contact: 02/28/2014  
 Next Scheduled EDR Contact: 06/09/2014  
 Number of Days to Update: 94  
 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

**CORRACTS:** Corrective Action Report  
 CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
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: 09/10/2013  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Quarterly

### Federal RCRA generators list

RCRA-LOG: 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 (LOGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Quarterly

### 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: 09/10/2013  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Federal Institutional controls / engineering controls registries

#### US ENG CONTROL.S: 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 affect human health.

Date of Government Version: 12/17/2013  
Date Data Arrived at EDR: 01/14/2014  
Last EDR Contact: 12/09/2013  
Next Scheduled EDR Contact: 03/24/2014  
Number of Days to Update: 14

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 12/09/2013  
Next Scheduled EDR Contact: 03/24/2014  
Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013  
Date Data Arrived at EDR: 01/14/2014  
Last EDR Contact: 12/09/2013  
Next Scheduled EDR Contact: 03/24/2014  
Number of Days to Update: 14

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 12/09/2013  
Next Scheduled EDR Contact: 03/24/2014  
Data Release Frequency: Varies

#### 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: 11/20/2013  
Date Data Arrived at EDR: 11/21/2013  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 06/02/2014  
Number of Days to Update: 95

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Varies

### 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: 09/30/2013  
Date Data Arrived at EDR: 10/01/2013  
Last EDR Contact: 02/07/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 02/07/2014  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Annually

### 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: 01/04/2014  
Date Data Arrived at EDR: 02/26/2014  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Number of Days to Update: 9

Source: Department of Health  
Telephone: 808-596-4249  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Semi-Annually

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



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### SWMFLF: Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWMFLF 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: 09/17/2012  
Date Data Arrived at EDR: 04/03/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 37  
Source: Department of Health  
Telephone: 808-596-4246  
Last EDR Contact: 12/30/2013  
Next Scheduled EDR Contact: 04/14/2014  
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: 12/04/2013  
Date Data Arrived at EDR: 12/05/2013  
Date Made Active in Reports: 12/10/2013  
Number of Days to Update: 5  
Source: Department of Health  
Telephone: 808-596-4228  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Semi-Annually

#### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013  
Date Data Arrived at EDR: 11/07/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 29  
Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Quarterly

#### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013  
Date Data Arrived at EDR: 03/01/2013  
Date Made Active in Reports: 04/12/2013  
Number of Days to Update: 42  
Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Quarterly

#### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013  
Date Data Arrived at EDR: 08/27/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 66  
Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

#### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011  
Date Data Arrived at EDR: 09/13/2011  
Date Made Active in Reports: 11/17/2011  
Number of Days to Update: 59  
Source: EPA Region 6  
Telephone: 214-868-5597  
Last EDR Contact: 02/11/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013  
Date Data Arrived at EDR: 11/26/2013  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 90  
Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Semi-Annually

#### 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: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 184  
Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/30/2014  
Next Scheduled EDR Contact: 05/12/2014  
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: 02/13/2014  
Date Data Arrived at EDR: 02/14/2014  
Date Made Active in Reports: 02/24/2014  
Number of Days to Update: 10  
Source: EPA Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

#### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUST's on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012  
Date Data Arrived at EDR: 08/28/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 49  
Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Quarterly

### State and tribal registered storage tank lists

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: 12/04/2013  
Date Data Arrived at EDR: 12/05/2013  
Date Made Active in Reports: 12/10/2013  
Number of Days to Update: 3  
Source: Department of Health  
Telephone: 808-596-4228  
Last EDR Contact: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Semi-Annually

#### INDIAN LUST 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: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 01/27/2014  
Number of Days to Update: 271  
Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 01/30/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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).

Source: EPA Region 10  
Telephone: 206-563-2857  
Date Data Arrived at EDR: 02/05/2013  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 65  
Data Release Frequency: Quarterly

**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).

Source: EPA Region 9  
Telephone: 415-572-3368  
Date Data Arrived at EDR: 07/30/2013  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 129  
Data Release Frequency: Quarterly

**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).

Source: EPA Region 8  
Telephone: 303-312-6137  
Date Data Arrived at EDR: 08/01/2013  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 32  
Data Release Frequency: Quarterly

**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).

Source: EPA Region 7  
Telephone: 913-351-7003  
Date Data Arrived at EDR: 02/28/2013  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 43  
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).

Source: EPA Region 6  
Telephone: 214-665-7591  
Date Data Arrived at EDR: 05/10/2011  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 34  
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).

Source: EPA Region 5  
Telephone: 312-366-6136  
Date Data Arrived at EDR: 02/14/2014  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 10  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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).

Source: EPA Region 4  
Telephone: 404-562-9424  
Date Data Arrived at EDR: 11/26/2013  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Number of Days to Update: 90  
Data Release Frequency: Semi-Annually

**FEMA UST:** Underground Storage Tank Listing  
A listing of all FEMA owned underground storage tanks.

Source: FEMA  
Telephone: 202-646-5797  
Date Data Arrived at EDR: 01/01/2010  
Last EDR Contact: 01/13/2014  
Next Scheduled EDR Contact: 04/28/2014  
Number of Days to Update: 55  
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.

Source: Department of Health  
Telephone: 404-586-4249  
Date Data Arrived at EDR: 02/26/2014  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Number of Days to Update: 9  
Data Release Frequency: Varies

**INST CONTROL:** Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.  
Source: Department of Health  
Telephone: 808-586-4249  
Date Data Arrived at EDR: 01/04/2014  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Number of Days to Update: 9  
Data Release Frequency: Varies

### State and tribal voluntary cleanup sites

**INDIAN VCP R7:** Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.  
Source: EPA, Region 7  
Telephone: 913-351-7365  
Date Data Arrived at EDR: 04/22/2008  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Number of Days to Update: 27  
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.  
Source: EPA, Region 1  
Telephone: 617-918-1102  
Date Data Arrived at EDR: 10/01/2013  
Last EDR Contact: 01/03/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 66  
Data Release Frequency: Varies

## 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: 01/04/2014  
Date Data Arrived at EDR: 02/26/2014  
Date Made Active in Reports: 03/07/2014  
Number of Days to Update: 9  
Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
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: 01/04/2014  
Date Data Arrived at EDR: 02/26/2014  
Date Made Active in Reports: 03/07/2014  
Number of Days to Update: 9  
Source: Department of Health  
Telephone: 808-586-4249  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
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: 09/24/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 73  
Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 02/25/2014  
Next Scheduled EDR Contact: 04/07/2014  
Data Release Frequency: Semi-Annually

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

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: 01/13/2009  
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: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
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: 09/09/2004  
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

## 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: 12/31/1988  
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: 11/04/2013  
Next Scheduled EDR Contact: 02/17/2014  
Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

#### 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: 12/04/2013  
Date Data Arrived at EDR: 12/10/2013  
Date Made Active in Reports: 02/13/2014  
Number of Days to Update: 65  
Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/04/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Quarterly

#### 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: 03/03/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: Varies

#### US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 03/30/2009  
Number of Days to Update: 131  
Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/04/2014  
Next Scheduled EDR Contact: 06/16/2014  
Data Release Frequency: No Update Planned

#### 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: 02/06/2013  
Date Data Arrived at EDR: 04/25/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 15  
Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 01/27/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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.

Source: U.S. Department of Transportation  
Telephone: 202-566-4555  
Date Data Arrived at EDR: 01/03/2014  
Last EDR Contact: 01/03/2014  
Date Made Active in Reports: 02/24/2014  
Next Scheduled EDR Contact: 01/13/2014  
Number of Days to Update: 52  
Data Release Frequency: Annually

### SPILLS: Release Notifications

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

Source: Department of Health  
Telephone: 808-586-4249  
Date Data Arrived at EDR: 02/26/2014  
Last EDR Contact: 02/26/2014  
Date Made Active in Reports: 03/10/2014  
Next Scheduled EDR Contact: 06/09/2014  
Number of Days to Update: 12  
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.

Source: FirstSearch  
Telephone: N/A  
Date Data Arrived at EDR: 03/10/2012  
Last EDR Contact: 01/03/2013  
Date Made Active in Reports: 02/11/2013  
Next Scheduled EDR Contact: N/A  
Number of Days to Update: 39  
Data Release Frequency: No Update Planned

### Other Ascertainable Records

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

Source: Environmental Protection Agency  
Telephone: (415) 495-6995  
Date Data Arrived at EDR: 10/02/2013  
Last EDR Contact: 01/02/2014  
Date Made Active in Reports: 12/16/2013  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 75  
Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Date Data Arrived at EDR: 07/31/2012  
Last EDR Contact: 02/08/2014  
Date Made Active in Reports: 09/18/2012  
Next Scheduled EDR Contact: 05/19/2014  
Number of Days to Update: 42  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Source: USGS  
Telephone: 888-276-8747  
Date Data Arrived at EDR: 11/10/2006  
Last EDR Contact: 07/15/2014  
Date Made Active in Reports: 07/11/2007  
Next Scheduled EDR Contact: 04/28/2014  
Number of Days to Update: 62  
Data Release Frequency: Semi-Annually

### 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.

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 02/26/2013  
Last EDR Contact: 02/28/2014  
Date Made Active in Reports: 03/13/2013  
Next Scheduled EDR Contact: 03/24/2014  
Number of Days to Update: 15  
Data Release Frequency: Varies

### 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.

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 01/24/2014  
Last EDR Contact: 12/26/2013  
Date Made Active in Reports: 02/24/2014  
Next Scheduled EDR Contact: 04/14/2014  
Number of Days to Update: 31  
Data Release Frequency: Varies

### ROD: Records of Decision

Record of Decision, ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Source: EPA  
Telephone: 703-416-0223  
Date of Government Version: 11/25/2013  
Date Data Arrived at EDR: 12/12/2013  
Last EDR Contact: 12/12/2013  
Date Made Active in Reports: 02/24/2014  
Next Scheduled EDR Contact: 03/24/2014  
Number of Days to Update: 74  
Data Release Frequency: Annually

### UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low, however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Source: Department of Energy  
Telephone: 505-845-0011  
Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Last EDR Contact: 02/25/2014  
Date Made Active in Reports: 03/01/2012  
Next Scheduled EDR Contact: 06/09/2014  
Number of Days to Update: 146  
Data Release Frequency: Varies

### 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.

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 09/05/2013  
Last EDR Contact: 03/05/2014  
Date Made Active in Reports: 10/03/2013  
Next Scheduled EDR Contact: 06/16/2014  
Number of Days to Update: 28  
Data Release Frequency: Semi-Annually

### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/31/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 02/26/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Annually

### 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: 12/31/2006  
Date Data Arrived at EDR: 09/29/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 64

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 12/26/2013  
Next Scheduled EDR Contact: 04/07/2014  
Data Release Frequency: Every 4 Years

### 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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
Data Release Frequency: Quarterly

### 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: 02/24/2014  
Next Scheduled EDR Contact: 06/09/2014  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 629) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/28/2014  
Next Scheduled EDR Contact: 05/12/2014  
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: 07/20/2011  
Date Data Arrived at EDR: 11/10/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 61

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/09/2014  
Next Scheduled EDR Contact: 04/28/2014  
Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial stores and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013  
Date Data Arrived at EDR: 07/17/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 107

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 01/28/2014  
Next Scheduled EDR Contact: 04/28/2014  
Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which press 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: 07/22/2013  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 91

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 12/09/2013  
Next Scheduled EDR Contact: 03/24/2014  
Data Release Frequency: Quarterly

### 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: 09/30/2013  
Date Data Arrived at EDR: 10/09/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/10/2014  
Next Scheduled EDR Contact: 04/21/2014  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FINDS:** Facility Index System/Facility Registry System  
 Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more information. 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: 03/09/2013  
 Date Data Arrived at EDR: 03/21/2013  
 Date Made Active in Reports: 07/10/2013  
 Number of Days to Update: 111

Source: EPA  
 Telephone: (415) 947-5000  
 Last EDR Contact: 12/10/2013  
 Next Scheduled EDR Contact: 03/24/2014  
 Data Release Frequency: Quarterly

**RAATS:** RCRA Administrative Action Tracking System  
 RCRA Administrative 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: 06/07/1995  
 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

**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(i) 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 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: 11/01/2013  
 Date Data Arrived at EDR: 12/12/2013  
 Date Made Active in Reports: 02/13/2014  
 Number of Days to Update: 63

Source: Environmental Protection Agency  
 Telephone: 202-564-8600  
 Last EDR Contact: 01/27/2014  
 Next Scheduled EDR Contact: 05/12/2014  
 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: 12/31/2011  
 Date Data Arrived at EDR: 02/26/2013  
 Date Made Active in Reports: 04/19/2013  
 Number of Days to Update: 32

Source: EPA/NTIS  
 Telephone: 800-424-6346  
 Last EDR Contact: 02/28/2014  
 Next Scheduled EDR Contact: 06/09/2014  
 Data Release Frequency: Biennially

**UIG:** 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: 03/03/2014  
 Next Scheduled EDR Contact: 06/16/2014  
 Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**DRYCLEANERS:** Permitted Drycleaner Facility Listing  
 A listing of permitted drycleaner facilities in the state.

Date of Government Version: 01/01/2014  
 Date Data Arrived at EDR: 02/21/2014  
 Date Made Active in Reports: 03/07/2014  
 Number of Days to Update: 14

Source: Department of Health  
 Telephone: 808-586-4200  
 Last EDR Contact: 01/03/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Data Release Frequency: Varies

**AIRS:** List of Permitted Facilities  
 A listing of permitted facilities in the state.

Date of Government Version: 01/01/2014  
 Date Data Arrived at EDR: 02/21/2014  
 Date Made Active in Reports: 03/07/2014  
 Number of Days to Update: 14

Source: Department of Health  
 Telephone: 808-586-4200  
 Last EDR Contact: 01/03/2014  
 Next Scheduled EDR Contact: 04/21/2014  
 Data Release Frequency: Varies

**INDIAN RESERV:** Indian Reservations  
 This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
 Date Data Arrived at EDR: 12/09/2006  
 Date Made Active in Reports: 01/11/2007  
 Number of Days to Update: 34

Source: USGS  
 Telephone: 202-208-3710  
 Last EDR Contact: 01/15/2014  
 Next Scheduled EDR Contact: 04/28/2014  
 Data Release Frequency: Semi-Annually

**SCRD DRYCLEANERS:** State Coalition for Remediation of Drycleaners Listing  
 The State Coalition for Remediation of Drycleaners was established in 1988, 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: 03/07/2011  
 Date Data Arrived at EDR: 03/09/2011  
 Date Made Active in Reports: 05/02/2011  
 Number of Days to Update: 54

Source: Environmental Protection Agency  
 Telephone: 615-532-6599  
 Last EDR Contact: 01/20/2014  
 Next Scheduled EDR Contact: 05/05/2014  
 Data Release Frequency: Varies

**COAL ASH DOE:** Steam-Electric Plan Operation Data  
 A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
 Date Data Arrived at EDR: 08/07/2009  
 Date Made Active in Reports: 10/22/2009  
 Number of Days to Update: 70

Source: Department of Energy  
 Telephone: 202-586-8719  
 Last EDR Contact: 01/13/2014  
 Next Scheduled EDR Contact: 04/28/2014  
 Data Release Frequency: Varies

**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 these 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: 06/30/2013  
 Date Data Arrived at EDR: 06/13/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 31

Source: Environmental Protection Agency  
 Telephone: 617-520-3000  
 Last EDR Contact: 02/10/2014  
 Next Scheduled EDR Contact: 05/26/2014  
 Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PRP - Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013  
Date Data Arrived at EDR: 07/03/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 72

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 01/02/2014  
Next Scheduled EDR Contact: 04/14/2014  
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: 11/11/2011  
Date Data Arrived at EDR: 05/18/2012  
Date Made Active in Reports: 05/25/2012  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 05/26/2014  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
Date Data Arrived at EDR: 02/14/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 01/03/2014  
Next Scheduled EDR Contact: 04/21/2014  
Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

Federal and Indian administered lands of the United States. Lands included are administered 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: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 01/15/2014  
Next Scheduled EDR Contact: 04/28/2014  
Data Release Frequency: N/A

### 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  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/23/2013  
Date Data Arrived at EDR: 11/06/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 30

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 12/26/2013  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Annually

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013  
Date Data Arrived at EDR: 11/06/2013  
Date Made Active in Reports: 12/06/2013  
Number of Days to Update: 30

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 12/26/2013  
Next Scheduled EDR Contact: 04/14/2014  
Data Release Frequency: Annually

### 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: 01/23/2014  
Date Data Arrived at EDR: 01/24/2014  
Date Made Active in Reports: 03/07/2014  
Number of Days to Update: 42

Source: Department of Health  
Telephone: 808-586-4226  
Last EDR Contact: 01/13/2014  
Next Scheduled EDR Contact: 03/31/2014  
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.

Date of Government Version: 11/20/2013  
Date Data Arrived at EDR: 12/03/2013  
Date Made Active in Reports: 02/13/2014  
Number of Days to Update: 72

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 02/14/2014  
Next Scheduled EDR Contact: 06/02/2014  
Data Release Frequency: Quarterly

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010  
Date Data Arrived at EDR: 01/03/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 77

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 12/13/2013  
Next Scheduled EDR Contact: 03/24/2014  
Data Release Frequency: Varies

### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submissions.

Date of Government Version: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 01/09/2014  
Next Scheduled EDR Contact: 05/12/2014  
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 whole oil, resin, 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 (oil/water 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling stations/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 HRR. EDR's HRR 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 US Hist Cleaners: EDR Exclusive Historic Dry 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 HRR. EDR's HRR 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 US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### EDR RECOVERED GOVERNMENT ARCHIVES

#### Exclusive Recovered Govt. Archives

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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/17/2014  
Number of Days to Update: 200

Source: Department of Health  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
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  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/03/2014  
Number of Days to Update: 186

Source: Department of Health  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### 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  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/08/2014  
Number of Days to Update: 191

Source: Department of Health  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
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: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: Rexing Strategies Corp.  
Telephone: (203) 795-2247  
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-260-5891  
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.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5 Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

MIKI BASIN - 200 ACRE INDUSTRIAL SITE  
MIKI ROAD & KAUMALAPAU HIGHWAY  
LANAI CITY, HI 96763

### TARGET PROPERTY COORDINATES

Latitude (North): 20 79'04" - 20' 47" 25.44"  
Longitude (West): 156 93'75" - 156' 56" 15.00"  
Universal Transverse Mercator:  
Zone 4  
UTM X (Meters): 714689.2  
UTM Y (Meters): 2300187.0  
Elevation: 1247 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 20156-G8 ISLAND OF LANAI OE NW, HI  
Most Recent Revision: Not reported

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 principal 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).

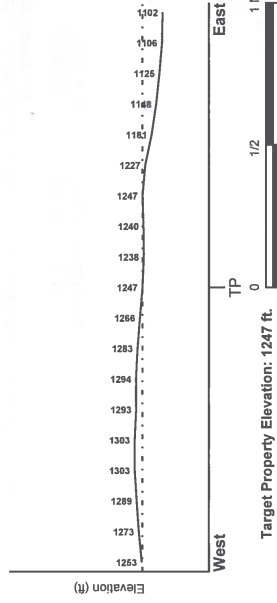
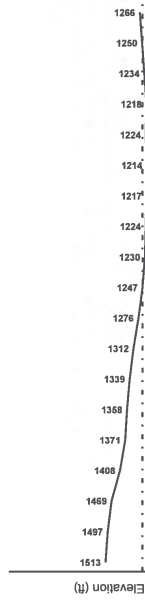
### TOPOGRAPHIC INFORMATION

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 SSE

### 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

FEMA Flood Electronic Data  
**YES** - refer to the Overview Map and Detail Map

Target Property County  
 MAUI, HI

Flood Plain Panel at Target Property:  
 Not Reported

Additional Panels in search area:  
 Not Reported

### NATIONAL WETLAND INVENTORY

NWI Electronic Data Coverage  
**YES** - refer to the Overview Map and Detail Map

NWI Quad at Target Property  
**NOT AVAILABLE**

### 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.

MAP ID: Not Reported  
 LOCATION: FROM TP  
 GENERAL DIRECTION: GROUNDWATER FLOW

## 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

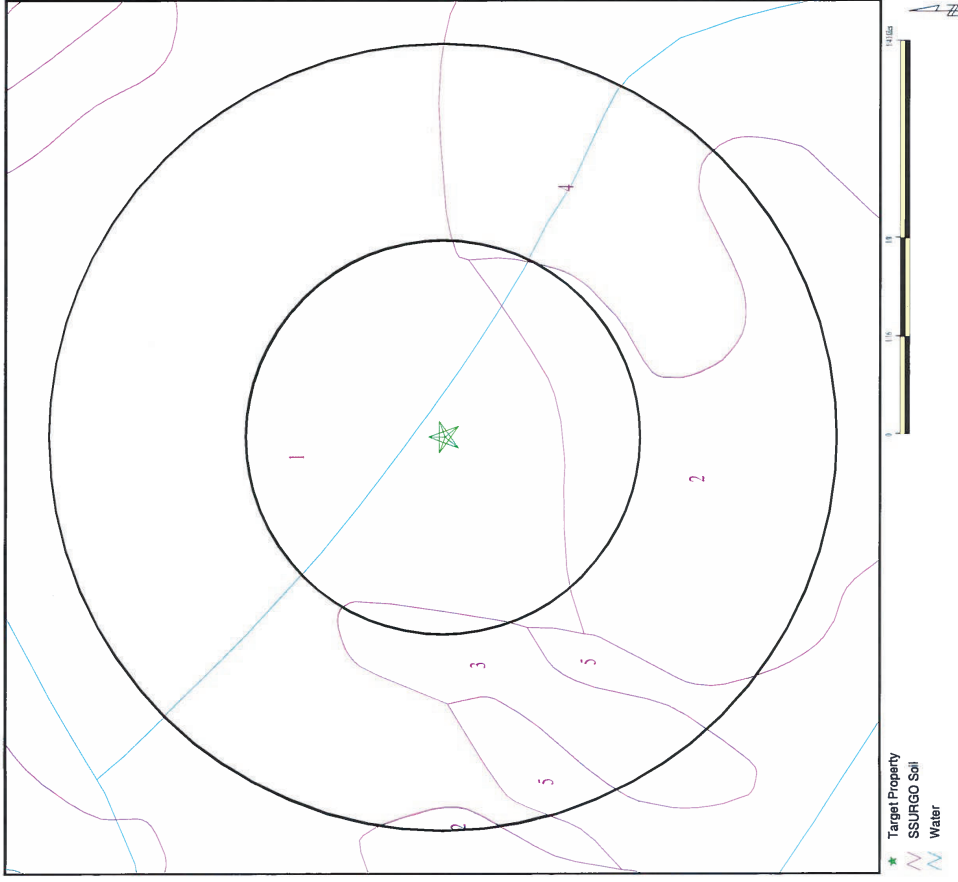
Era: -  
 System: -  
 Series: N/A (decoded above as Era, System & Series)  
 Code: -

### 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. Bekman Map, USGS Digital Data Series DDS - 11 (1994).

## SSURGO SOIL MAP - 3875991.2s



SITE NAME: Mild Basin - 200 Acre Industrial Site  
 ADDRESS: Mild Road & Kaunapalapu Highway  
 LAT/LONG: 20.7904 / 156.9375

CLIENT: TRC  
 CONTACT: Ron Landolt  
 INQUIRY #: 3875991.2s  
 DATE: March 10, 2014 5:26 pm  
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