

## 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. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009  
 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 storers 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 possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 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 detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (415) 947-8000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 12/10/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	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(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/12/2013	Telephone: 202-564-8600
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 63	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/28/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/09/2014
	Data Release Frequency: Biennially

### UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 02/07/2013	Source: Department of Health
Date Data Arrived at EDR: 02/12/2013	Telephone: 808-586-4258
Date Made Active in Reports: 04/09/2013	Last EDR Contact: 03/03/2014
Number of Days to Update: 56	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	Source: Department of Health
Date Data Arrived at EDR: 02/21/2014	Telephone: 808-586-4200
Date Made Active in Reports: 03/07/2014	Last EDR Contact: 01/03/2014
Number of Days to Update: 14	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	Source: Department of Health
Date Data Arrived at EDR: 02/21/2014	Telephone: 808-586-4200
Date Made Active in Reports: 03/07/2014	Last EDR Contact: 01/03/2014
Number of Days to Update: 14	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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2014
Number of Days to Update: 34	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 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 01/20/2014
Number of Days to Update: 54	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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/13/2014
Number of Days to Update: 76	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 those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 02/10/2014
Number of Days to Update: 31	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	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 01/02/2014
Number of Days to Update: 72	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 02/14/2014
Number of Days to Update: 7	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 01/03/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2014
Number of Days to Update: 339	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	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

## 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 submittals.

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: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 01/30/2014  
Next Scheduled EDR Contact: 05/12/2014  
Data Release Frequency: Varies

### EDR HIGH RISK HISTORICAL RECORDS

#### EDR Exclusive Records

#### EDR MGF: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oil waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### EDR 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 HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

### EDR 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

#### RGALF: 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

### RGALUST: 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

### RGASHWS: 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: Rextag Strategies Corp.  
Telephone: (281) 769-2247  
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: 312-280-5991  
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

#### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

#### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## 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):	20.7904 - 20° 47' 25.44"
Longitude (West):	156.9375 - 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).

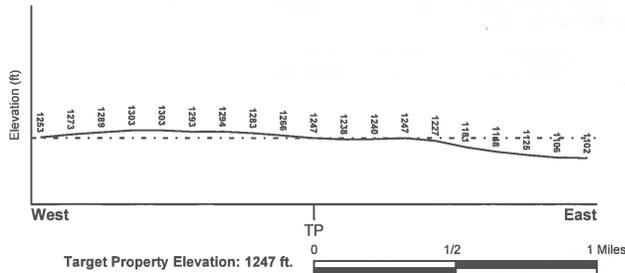
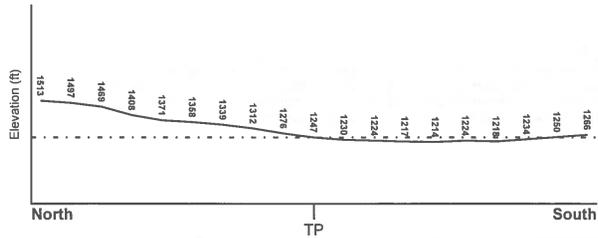
### TOPOGRAPHIC INFORMATION

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

<u>Target Property County</u> MAUI, HI	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
<u>Flood Plain Panel at Target Property:</u>	Not Reported
<u>Additional Panels in search area:</u>	Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOT AVAILABLE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u> Not Reported	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
-------------------------------	-------------------------	---

**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.

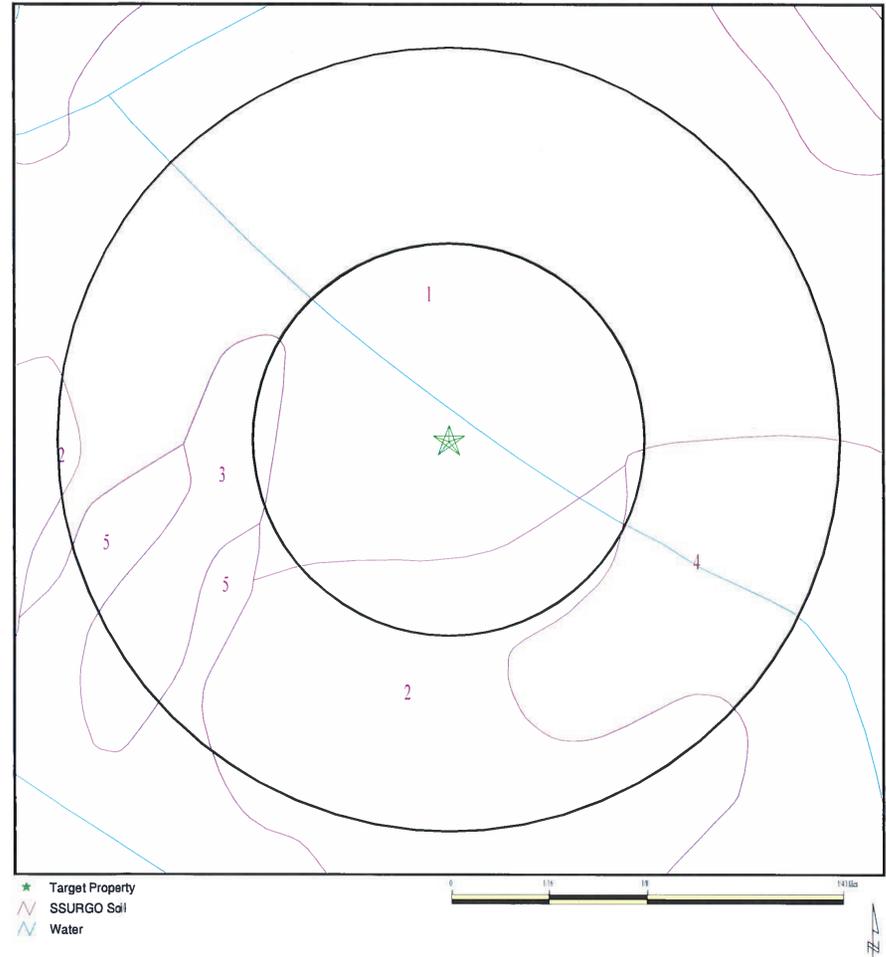
**ROCK STRATIGRAPHIC UNIT**

**GEOLOGIC AGE IDENTIFICATION**

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

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

**SSURGO SOIL MAP - 3875991.2s**



<b>SITE NAME:</b> Miki Basin - 200 Acre Industrial Site	<b>CLIENT:</b> TRC
<b>ADDRESS:</b> Miki Road & Kaunapala Highway Lanai City HI 96763	<b>CONTACT:</b> Ron Landolt
<b>LAT/LONG:</b> 20.7904 / 156.9375	<b>INQUIRY #:</b> 3875991.2s
	<b>DATE:</b> March 10, 2014 5:26 pm

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**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

**Soil Map ID: 1**

Soil Component Name: Molokai  
 Soil Surface Texture: silty clay loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Unknown  
 Corrosion Potential - Uncoated Steel: Moderate  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6
2	14 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6

**Soil Map ID: 2**

Soil Component Name: Molokai  
 Soil Surface Texture: silty clay loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6
2	14 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6

**Soil Map ID: 3**

Soil Component Name: Uwala  
 Soil Surface Texture: silty clay loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Unknown  
 Corrosion Potential - Uncoated Steel: High  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 5 Min: 4.5
2	18 inches	57 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 6 Min: 5.1
3	57 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 6 Min: 5.1

**Soil Map ID: 4**

Soil Component Name: Waikapu  
 Soil Surface Texture: silty clay loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Unknown  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6
2	11 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 7.8 Min: 6.6

**Soil Map ID: 5**

Soil Component Name: Uwala  
 Soil Surface Texture: silty clay loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Unknown  
 Corrosion Potential - Uncoated Steel: High  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 5 Min: 4.5

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	18 inches	57 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 6 Min: 5.1
3	57 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	CL-K (proposed)	Max: 14 Min: 4.23	Max: 6 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

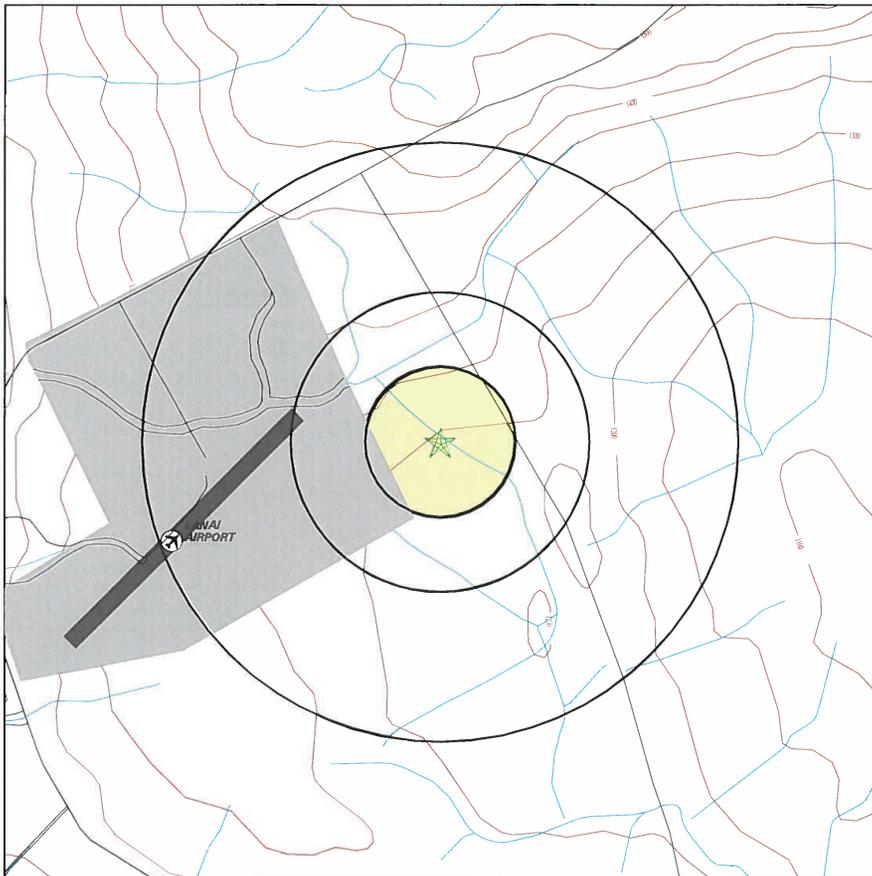
Note: PWS System location is not always the same as well location.

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

**PHYSICAL SETTING SOURCE MAP - 3875991.2s**



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: 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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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS  
RADON**

**AREA RADON INFORMATION**

Federal EPA Radon Zone for MAUI County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MAUI COUNTY, HI

Number of sites tested: 70

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.057 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.000 pCi/L	100%	0%	0%
Basement	0.150 pCi/L	100%	0%	0%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### TOPOGRAPHIC INFORMATION

#### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey  
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

#### 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.

### HYDROLOGIC INFORMATION

**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.

### HYDROGEOLOGIC INFORMATION

#### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information  
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

### GEOLOGIC INFORMATION

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services  
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

#### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)  
Telephone: 800-672-5559  
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

##### PWS: Public Water Systems

Source: EPA/Office of Drinking Water  
Telephone: 202-564-3750  
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

##### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water  
Telephone: 202-564-3750  
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

##### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

##### Well Index Database

Source: Commission on Water Resource Management  
Telephone: 808-587-0214  
CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii

### OTHER STATE DATABASE INFORMATION

#### RADON

##### Area Radon Information

Source: USGS  
Telephone: 703-356-4020  
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

##### EPA Radon Zones

Source: EPA  
Telephone: 703-356-4020  
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

**Airport Landing Facilities:** Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

**Epicenters:** World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

**Earthquake Fault Lines:** The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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**MIKI BASIN GENERATING STATION**  
1001 N MIKI RD  
LANAI CITY, HI 96763

Inquiry Number:  
March 31, 2014

EDR Site Report™



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

## TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases and Update Information. . . . . Page 6**

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

## SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 MIKI BASIN GENERATING STATION 1001 N MIKI RD LANAI CITY, HI 96763 EDR ID: #S107769303
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	<b>YES - p4</b>
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

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## SECTION 2: FACILITY DETAIL REPORTS

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

and spec used oil.Attachment IIB:Unit Nos.Description7.82-2 MW  
Caterpillar diesel engine generators (DEGs) (model no. 3608, serial  
nos. 6MC00475 and 6MC00476 respectively), fired on fuel oil no. 2 and  
spec used oil

### MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

MIKI BASIN GENERATING STATION  
1001 N MIKI RD  
LANAI CITY, HI 96763  
EDR ID #S107769303

#### HI SPILLS:

Island: Lanai  
Supplemental Loc. Text: Not reported  
Case Number: 20100524-0912  
HID Number: Not reported  
Facility Registry Id: Not reported  
Lead and Program: HEER EP&R  
ER: None  
Units: Diesel Generator "EMD 3"  
Substances: Lube Oil  
Less Or Greater Than: Not reported  
Numerical Quantity: 5  
Units: Gallons  
Activity Type: Response  
Activity Lead: Curtis Martin  
Assignment End Date: 2010-05-24 00:00:00  
Result: SOS NFA  
File Under: MECO-Lanai City Generating Station

Island: Lanai  
Supplemental Loc. Text: Not reported  
Case Number: 20070816-1030  
HID Number: Not reported  
Facility Registry Id: Not reported  
Lead and Program: HEER EP&R  
ER: No  
Units: Diesel Generating Unit 4  
Substances: Engine Oil 40SAE  
Less Or Greater Than: Not reported  
Numerical Quantity: 5  
Units: Gallons  
Activity Type: Response  
Activity Lead: Paul Chong  
Assignment End Date: 2007-09-14 00:00:00  
Result: SOS NFA  
File Under: MECO-Lanai City Generating Station

Island: Lanai  
Supplemental Loc. Text: Not reported  
Case Number: 20121026-1501  
HID Number: Not reported  
Facility Registry Id: Not reported  
Lead and Program: HEER EP&R  
ER: None  
Units: MECO lub oil release  
Substances: Lube Oil  
Less Or Greater Than: >  
Numerical Quantity: 5  
Units: Gallons  
Activity Type: Response  
Activity Lead: Curtis Martin  
Assignment End Date: Not reported  
Result: Not reported  
File Under: Not reported

#### AIRS:

Facility ID: 0030-06-C  
Island: Lanai  
Mailing Address: P.O. Box 398  
Locale: Not reported  
Mailing City, St, Zip: Kahului, HI 96732  
Business Phone: Not reported  
Contact Name: Michael Ribao  
Contact Title: Manager, Power Supply Department  
Description: Eight (8) Diesel Engine Generators This permit encompasses the following equipment: Attachment IIA: Unit Nos. Description 1-61.0 MW General Motors Electro-Motive Division (EMD) diesel engine generators (DEGs) (model no. 567-C, serial nos. 51-H-164; 54-C-141; 56-F-135; 56-G-13; 56-H-59; and 62-J-72, respectively), fired on fuel oil no. 2

### SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### DATABASES FOUND IN THIS REPORT

##### HI SPILLS: Release Notifications

Source: Department of Health  
Telephone: 808-586-4249

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

Date of Government Version: 01/04/2014  
Database Release Frequency: Varies

Date of Last EDR Contact: 02/26/2014  
Date of Next Scheduled Update: 06/09/2014

##### HI AIRS: List of Permitted Facilities

Source: Department of Health  
Telephone: 808-586-4200

A listing of permitted facilities in the state.

Date of Government Version: 01/01/2014  
Database Release Frequency: Varies

Date of Last EDR Contact: 01/03/2014  
Date of Next Scheduled Update: 04/21/2014

**MAUI ELECTRIC CO LTD MIKI BASIN**  
1001 N MIKI RD  
LANAI CITY, HI 96763

Inquiry Number:  
March 31, 2014

EDR Site Report™



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

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**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases and Update Information . . . . . Page 6**

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 MAUI ELECTRIC CO LTD MIKI BASIN POWER PL 1001 N MIKI RD LANAI CITY, HI 96763 EDR ID #S113183480
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD/F)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWFL/F)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	YES - p4
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

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## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

MAUI ELECTRIC CO LTD MIKI BASIN POWER PL  
1001 N MIKI RD  
LANAI CITY, HI 96763  
EDR ID #S113183480

HAZNET:

Year: 2003  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Transfer Station  
Tons: 0.35  
Facility County: 99

Year: 2003  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Disposal, Land Fill  
Tons: 0.25  
Facility County: 99

Year: 2003  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Liquids with polychlorinated biphenyls >= 50 Mg/L  
Disposal Method: Transfer Station  
Tons: 0.14  
Facility County: 99

Year: 2003  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Transfer Station  
Tons: 2.45  
Facility County: 99

Year: 2002  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Transfer Station  
Tons: 2.45  
Facility County: 99

Year: 2002  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Disposal, Land Fill  
Tons: 4.11  
Facility County: 99

Year: 2001  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Transfer Station  
Tons: 0.15  
Facility County: 99

Year: 2001  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Disposal, Land Fill  
Tons: 0.07  
Facility County: 99

Year: 2000  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Transfer Station  
Tons: 0.77  
Facility County: 99

Year: 2000  
Gepaid: HIR000000141  
Contact: ED OYAMA  
Telephone: 8085656453  
Mailing Name: Not reported  
Mailing Address: 1001 N MIKI RD  
Mailing City,St,Zip: LANAI CITY, HI 96763  
Gen County: Not reported  
TSD EPA ID: CAT000646117  
TSD County: Not reported  
Waste Category: Polychlorinated biphenyls and material containing PCBs  
Disposal Method: Disposal, Land Fill  
Tons: 0.15  
Facility County: 99

### SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### DATABASES FOUND IN THIS REPORT

**CA HAZNET: Facility and Manifest Data**  
Source: California Environmental Protection Agency  
Telephone: 916-255-1136

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/17/2014  
Date of Next Scheduled Update: 04/28/2014

**MIKI BASIN GENERATING STATION**  
1001 NORTH MIKI RD.  
LANAI CITY, HI 96763

Inquiry Number:  
March 31, 2014

EDR Site Report™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
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All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases for this report.

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 MIKI BASIN GENERATING STATION 1001 NORTH MIKI RD. LANAI CITY, HI 96763 EDR ID #1007092130 EPA #HIR00000141
<b>AREA</b>	
<b>WASTE MANAGEMENT</b>	
Facility generates hazardous waste (RCRA)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	YES - p6
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b>	
Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b>	
Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	NO
<b>POTENTIAL SUPERFUND LIABILITY</b>	
Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information (RCRAInfo)

MIKI BASIN GENERATING STATION  
1001 NORTH MIKI RD.  
LANAI CITY, HI 96763  
EDR ID #1007092130

#### RCRA-CESQG:

Date form received by agency: 03/19/2003  
Facility name: MIKI BASIN GENERATING STATION  
Facility address: 1001 N MIKI RD  
LANAI CITY, HI 96763  
EPA ID: HIR00000141  
Mailing address: PO BOX 398  
KAHULULU, HI 96733-6898  
Contact: DONN FUKADA  
Contact address: 1001 N MIKI RD  
LANAI CITY, HI 96763  
Contact country: US  
Contact telephone: 808-543-4525  
Contact email: Not reported  
EPA Region: 09  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

#### Owner/Operator Summary:

Owner/operator name: MAUI ELEC CO LTD  
Owner/operator address: Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1994  
Owner/Op end date: Not reported

Owner/operator name: MAUI ELEC CO LTD  
Owner/operator address: Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1994  
Owner/Op end date: Not reported

#### Handler Activities Summary:

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

#### Historical Generators:

Date form received by agency: 05/24/1995

Facility name: MIKI BASIN GENERATING STATION  
Site name: MAUI ELECTRIC CO LTD MIKI BASIN POWER PL  
Classification: Small Quantity Generator

#### Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Violation Status: No violations found

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### WASTE MANAGEMENT

Facility handles PCBs

DATABASE: PCB Activity Database System (PADS)

MIKI BASIN GENERATING STATION  
1001 NORTH MIKI RD.  
LANAI CITY, HI 96763  
EDR ID #1007092130

PADS:  
EPAID: HIR000000141  
Facility name: MIKI BASIN GENERATING STATION  
Facility Address: 1001 NORTH MIKI RD.  
LANAI CITY, HI 96763  
Facility country: US  
Generator: Yes  
Storer: No  
Transporter: No  
Disposer: No  
Research facility: No  
Smelter: No  
Facility owner name: MAUI ELECTRIC CO., LTD  
Contact title: Not reported  
Contact name: Donn Fukuda  
Contact tel: (808)543-4525  
Contact extension: Not reported  
Mailing address: P.O. Box 630608  
Lanai City, HI 96763  
Mailing country: US  
Cert. title: Not reported  
Cert. name: Not reported  
Cert. date: 02/07/2005  
Date received: 03/24/2005

## SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### DATABASES FOUND IN THIS REPORT

#### PADS: PCB Activity Database System

Source: EPA  
Telephone: 202-566-0500  
PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013  
Database Release Frequency: Annually

Date of Last EDR Contact: 01/28/2014  
Date of Next Scheduled Update: 04/28/2014

#### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generator

Source: Environmental Protection Agency  
Telephone: 703-308-8895  
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  
Database Release Frequency: Varies

Date of Last EDR Contact: 03/13/2014  
Date of Next Scheduled Update: 04/14/2014

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<b>Section 3: Databases and Update Information.</b> . . . . .	<b>Page 15</b>
Name, source, update dates, contact phone number and description of each of the databases for this report.	

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

**MAUI ELECTRIC CO - MIKI BASIN**  
1001 N MIKI RD  
LANAI CITY, HI 96763

Inquiry Number:  
March 31, 2014

## EDR Site Report™

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## SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 MAUI ELECTRIC CO - MIKI BASIN 1001 N MIKI RD LANAI CITY, HI 96763 EDR ID #1001024214 EPA #11005402737
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p4
Facility is listed in other database records (OTHER)	YES - p9
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

MAUI ELECTRIC CO - MIKI BASIN  
1001 N MIKI RD  
LANAI CITY, HI 96763  
EDR ID #1001024214

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report. Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registry ID: 110001764029  
Facility Name: MAUI ELECTRIC CO (MECO) - MIKI BASIN GENERATING STATION  
Facility Address: 1001 N MIKI RD  
LANAI CITY, HI  
Facility URL: http://aspub.epa.gov/enviro/fi\_query\_detail\_disp\_program\_facility?p\_registry\_id=110001764029  
FIPS: 15009  
Fed Facility: Not reported  
Tribal Land: Not reported  
Tribal Name: Not reported  
Congressional District: 02  
Hydrologic Unit Code: 20040000  
EPA Region: 09  
Site Type: STATIONARY  
Date Created: 01-MAR-00  
Date Updated: 29-AUG-13  
U.S.-Mexico Border: Not reported  
Latitude: 20.790646  
Longitude: -155.93392  
Horizontal Collection: Not reported  
Horizontal Accuracy: Not reported  
Reference Point: FACILITY CENTROID  
Horizontal Datum: NAD83  
Coordinates Source: Not reported  
Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

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

ELECTRIC GENERATOR

STATE MASTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

US EPA RACT/BACT/LAER Clearinghouse (RBL) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Control Technology, is required on major new or modified sources in clean areas.  
LAER, or Lowest Achievable Emission Rate, is required on major new or modified  
sources in non-attainment areas.

Registry ID: 110055402737  
 Facility Name: MIKI BASIN GENERATING STATION  
 Facility Address: 1001 N MIKI RD  
 LANA'I CITY, HI  
 Facility URL: http://iaspub.epa.gov/enviro/fii\_query\_detail\_disp\_program\_facility?p\_registry\_id=110055402737  
 FIPS: Not reported  
 Fed Facility: Not reported  
 Tribal Land: Not reported  
 Tribal Name: Not reported  
 Congressional District: 01  
 Hydrologic Unit Code: 20060000  
 EPA Region: 09  
 Site Type: STATIONARY  
 Date Created: 23-JUL-13  
 Date Updated: Not reported  
 U.S.-Mexico Border: Not reported  
 Latitude: 21.338271  
 Longitude: -157.89732  
 Horizontal Collection: ADDRESS MATCHING-OTHER  
 Horizontal Accuracy: 149  
 Reference Point: UNKNOWDN  
 Horizontal Datum: NAD83  
 Coordinates Source: Not reported  
 Environmental Interest/Information System  
 Program System ID: 928711  
 Program Sys. Name: EIS  
 Env. Interest Type: CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: EIS  
 Active Code: Yes

Program System ID: 7264  
 Program Sys. Name: EIA-860  
 Env. Interest Type: ELECTRIC GENERATOR  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: EIA-860  
 Active Code: Not reported

Program System ID: 7264  
 Program Sys. Name: EGRID  
 Env. Interest Type: ELECTRIC POWER GENERATOR (OIL BASED)  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: EGRID  
 Active Code: Not reported

Program System ID: NEIH12543  
 Program Sys. Name: NEI  
 Env. Interest Type: CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: NEI  
 Active Code: Not reported

Program System ID: 3720  
 Program Sys. Name: RBLC  
 Env. Interest Type: AIR MAJOR  
 Env. Interest Start Dt.: 04-MAY-96  
 Start Date Qualifier: ORIGINAL PERMIT ISSUE DATE  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: RBLC  
 Active Code: Not reported

Program System ID: HIR00000141  
 Program Sys. Name: RCRAINFO  
 Env. Interest Type: CESQG  
 Start Date Qualifier: 24-MAY-85  
 Start Date Qualifier: FIRST NOTIFICATION DATE  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Data Source: RCRAINFO  
 Active Code: Yes

Program System ID: 1500900035  
 Program Sys. Name: AIRS/AFS  
 Env. Interest Type: AIR MAJOR  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: AIRS/AFS  
 Active Code: Yes

Program System ID: 96763MLCTR1001N  
 Program Sys. Name: TRIS  
 Env. Interest Type: TRI REPORTER  
 Env. Interest Start Dt.: 31-DEC-00  
 Start Date Qualifier: FIRST REPORTING YEAR  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: TRI REPORTING FORM  
 Active Code: Not reported

Program System ID: 8315  
 Program Sys. Name: HI-EHW  
 Env. Interest Type: STATE MASTER  
 Env. Interest Start Dt.: Not reported  
 Start Date Qualifier: Not reported  
 Env. Interest End Dt.: Not reported  
 End Date Qualifier: Not reported  
 Data Source: HI-EHW  
 Active Code: Not reported

Alternative Name: MAUI ELECTRIC CO LTD MIKI BASIN GENERATING STATION  
 Alternative Name: MAUI ELECTRIC CO LTD MIKI BASIN POWER PL  
 Alternative Name: MAUI ELECTRIC CO LTD, MIKI BASIN  
 Alternative Name: MAUI ELECTRIC CO, LTD, MIKI BASIN GENERATING STATION  
 Alternative Name: MAUI ELECTRIC COMPANY, LTD.  
 Alternative Name: MECO - MIKI BASIN POWER PLANT  
 Alternative Name: MIKI BASIN

Contact Name: DONN FUJAKA  
 Contact Type: REGULATORY CONTACT  
 Contact Title: Not reported  
 Contact Telephone: 808-543-4525  
 Contact Fax: Not reported  
 Contact email: Not reported  
 Contact Address: 1001 N MIKI RD  
 LANA'I CITY, HI 96763

Contact Name: KAUJ AWAI-DICKSON  
 Contact Type: PUBLIC CONTACT  
 Contact Title: Not reported  
 Contact Telephone: (808) 872-3263  
 Contact Fax: Not reported  
 Contact email: Not reported  
 Contact Address: Not reported

Contact Name: VIRGIL KONG  
 Contact Type: TECHNICAL CONTACT  
 Contact Title: Not reported  
 Contact Telephone: (808) 543-4517  
 Contact Fax: Not reported  
 Contact email: Not reported  
 Contact Address: Not reported

Contact Name: Not reported  
 Contact Type: PUBLIC CONTACT  
 Contact Title: Not reported  
 Contact Telephone: Not reported  
 Contact Fax: Not reported  
 Contact email: Not reported  
 Contact Address: MIKI BASIN GENERATING STATION  
 LANA'I,

NAICS Code: 221112(FOSSIL FUEL ELECTRIC POWER GENERATION.)  
 NAICS Code: 221121(ELECTRIC BULK POWER TRANSMISSION AND CONTROL.)

SIC Code: 4911(ELECTRIC SERVICES)

Organization Name: Not reported  
 Affiliation Type: OWNER/OPERATOR  
 Organization Type: PRIVATE

**SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

DUNS Number: 006927164  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

Organization Name: MAUI ELECTRIC CO LTD  
Affiliation Type: OPERATOR  
Organization Type: Not reported  
DUNS Number: Not reported  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

Organization Name: MAUI ELECTRIC CO LTD  
Affiliation Type: OWNER1  
Organization Type: Not reported  
DUNS Number: Not reported  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

Organization Name: HAWAIIAN ELECTRIC INDUSTRIES INC  
Affiliation Type: PARENT COMPANY  
Organization Type: PRIVATE  
DUNS Number: 103901773  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

Organization Name: MAUI ELECTRIC CO LTD  
Affiliation Type: OWNER/OPERATOR  
Organization Type: Not reported  
DUNS Number: Not reported  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: P O BOX 398  
KAHULUI - MAUI, HI 967320000

Organization Name: MAUI ELECTRIC COMPANY, LTD.  
Affiliation Type: OPERATOR  
Organization Type: PRIVATE  
DUNS Number: Not reported  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported

**SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

Organization Name: MAUI ELECTRIC COMPANY, LTD.  
Affiliation Type: OWNER  
Organization Type: PRIVATE  
DUNS Number: Not reported  
Division Name: Not reported  
Telephone Number: Not reported  
Alternative Number: Not reported  
Fax Number: Not reported  
Email: Not reported  
EIN: Not reported  
State Business ID: Not reported  
Parent Name: Not reported  
Parent DUNS: Not reported  
Mailing Address: Not reported

**SECTION 2: FACILITY DETAIL REPORTS**

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**SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

**MULTIMEDIA**

Facility is listed in other database records

**DATABASE: Other Database Records (OTHER)**

MAUI ELECTRIC CO - MIKI BASIN  
 1001 N MIKI RD  
 LANAI CITY, HI 96763  
 EDR ID #1001024214

AIRS (AFS):  
 Compliance and Violation Data Major Sources:  
 EPA plant ID: 110001764029  
 Plant name: MAUI ELECTRIC CO - MIKI BASIN  
 Plant address: 1001 N MIKI RD  
 LANAI CITY, HI 96763  
 County: MAUI  
 Region code: 09  
 Durrn & Bradst #: Not reported  
 Air quality cntfr region: Not reported  
 Sic code: 4911  
 Sic code desc: ELECTRIC SERVICES  
 North Am. industrial class: 221112  
 NAIC code description: Fossil Fuel Electric Power Generation  
 Default compliance status: IN COMPLIANCE - INSPECTION  
 Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS  
 Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
 Current HPV: Not reported

Compliance and Enforcement Major Issues:  
 Air program: SIP SOURCE  
 National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
 Date achieved: 000825  
 Penalty amount: 000000000

Air program: TITLE V PERMITS  
 National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
 Date achieved: 010827  
 Penalty amount: 000000000

Air program: SIP SOURCE  
 National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
 Date achieved: 010827  
 Penalty amount: 000000000

Air program: TITLE V PERMITS  
 National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REWVD  
 Date achieved: 020529  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
 Date achieved: 020809  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE  
 Date achieved: 020809  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REWVD  
 Date achieved: 020816  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE DAY 0  
 Date achieved: 030530  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: NXXXXX  
 Date achieved: 030530  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: NXXXXX

Date achieved: 030531  
 Penalty amount: 000004900

Air program: TITLE V PERMITS  
 National action type: SV RESOLVED  
 Date achieved: 030707  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REWVD  
 Date achieved: 030904  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
 Date achieved: 030904  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE  
 Date achieved: 030904  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
 Date achieved: 040402  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION EPA REVIEW  
 Date achieved: 040720  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REWVD  
 Date achieved: 040722  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
 Date achieved: 040722  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE  
 Date achieved: 040722  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REWVD  
 Date achieved: 050811  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
 Date achieved: 050811  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE  
 Date achieved: 050811  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
 Date achieved: 060404  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
 Date achieved: 060725  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE  
 Date achieved: 060725  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
 Date achieved: 070403  
 Penalty amount: Not reported

Air program: TITLE V PERMITS  
 National action type: STATE CONDUCTED FCE / ON-SITE

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Date achieved: 070723  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 070723  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 070723  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
Date achieved: 080325  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 080708  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: STATE CONDUCTED FCE / ON-SITE  
Date achieved: 080708  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 080708  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
Date achieved: 090331  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: STATE CONDUCTED FCE / ON-SITE  
Date achieved: 090813  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 090813  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 090813  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: TITLE V COMPLIANCE CERT DUE/RECEIVED BY  
Date achieved: 100518  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 100729  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 100729  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: STATE CONDUCTED FCE / ON-SITE  
Date achieved: 100729  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 110719  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 110719  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: STATE CONDUCTED FCE / ON-SITE

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Date achieved: 110719  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: COMPLIANCE CERTIFICATION STATE REVIEW  
Date achieved: 120724  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: STATE CONDUCTED FCE / ON-SITE  
Date achieved: 120724  
Penalty amount: Not reported

Air program: TITLE V PERMITS  
National action type: S/L REQ (O/O COND) STACK TEST/NOT OBSV BUT REVWD  
Date achieved: 120724  
Penalty amount: Not reported

Air program: SIP SOURCE  
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
Date achieved: 970402  
Penalty amount: 000000000

Air program: SIP SOURCE  
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
Date achieved: 980407  
Penalty amount: 000000000

Air program: TITLE V PERMITS  
National action type: NXXXXX  
Date achieved: 980810  
Penalty amount: 000000000

Air program: TITLE V PERMITS  
National action type: STATE CONSENT AGREEMENT FILED  
Date achieved: 980810  
Penalty amount: 000000000

Air program: TITLE V PERMITS  
National action type: STATE DAY 0  
Date achieved: 980810  
Penalty amount: 000000000

Air program: TITLE V PERMITS  
National action type: SV RESOLVED  
Date achieved: 980810  
Penalty amount: 000000000

Air program: SIP SOURCE  
National action type: MULTI MEDIA INSPECTION - LEVEL 2 OR GREATER  
Date achieved: 990819  
Penalty amount: 000000000

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1004  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1004  
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1101  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1101  
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1102  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1102  
Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1103  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1103

**SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

**SECTION 2: FACILITY DETAIL REPORTS**

...Continued...

Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1104  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1104  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1201  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1201  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1202  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1202  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1203  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1203  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1204  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1204  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1301  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1301  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1302  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1302  
 Air prog code hist file: TITLE V PERMITS

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1303  
 Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
 Hist compliance date: 1303  
 Air prog code hist file: TITLE V PERMITS

Permit Information:  
 Compliance plant ID: 00035  
 Permit number: 0030-06-C  
 Permit category: V  
 Permit category desc: TITLE V PERMIT - PLANT SP

Permit Source:  
 Compliance plant ID: 00035  
 Plant name: MAUI ELECTRIC CO - MIKI BASIN  
 Plant address: 1001 N MIKI RD  
 LANAI CITY, HI 96763

Event Information:  
 Compliance permit ID: 00035  
 Permit number: 0030-06-C  
 Event action type: IF  
 Event description: \*PERMIT AUTHORITY ISSUES FINAL PERMIT

Event action # 001  
 Event date: 20021119



**ASTM E-1527 PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PRE-SURVEY QUESTIONNAIRE AND DISCLOSURE STATEMENT**

**Borrower:** Please complete this questionnaire before the Consultant's site visit. For those questions that are not applicable to the subject please respond with an "N/A". This document must be signed by the Owner or his/her representative (Item No. 2). If you have any questions about how to answer any of the questions please call. If additional pages for response are necessary please attach them to this form. Clearly mark all references to the appropriate question number(s). This document and your written response to same will be an exhibit in our report.

**1. PROPERTY INFORMATION:**

Property Name: <i>200 ACR Industrial Park- Mitsu Basin</i>		
Property Address: <i>M.K. Road</i>		
City: <i>Lanai City</i>	State: <i>HI</i>	Zip: <i>96763</i>
Assessor's Parcel Number: <i>(2) 4-9-002-001</i>		

**2. COMPLETED BY**

Signature: <i>Thomas A. Howard</i>	Date: <i>3-20-14</i>
Printed Name: <i>Thomas A Howard</i>	Title: <i>Director of Development + Construction</i>

**3. ASTM-REQUIRED INQUIRIES**

Property Owner: Name: <i>PULAMA LANAI</i> Phone: <i>808-565-9361</i> Fax:	
Key Site Manager (Site contact): Name: <i>Wayne Ishizaki</i> Phone: <i>808-565-9553</i> Fax:	
<b>If not residential Property, please provide list of tenants, including contact names and phone numbers.</b>	
Can you provide a Current Title Abstract for the Property, including a chain of Title? If so, please send documents along with completed questionnaire.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do you have knowledge of any environmental liens recorded against the Property, or environmentally related Activity and Use Limitations of the Property?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do you have any specialized knowledge that would be material in identifying recognized environmental conditions in connection with the Property?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are you aware of a reduction in the property value due to environmental issues?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Please attach explanation of all affirmative answers.</b>	



Please state reason for procuring this Phase 1 ESA:

Qualify for Innocent Landowner defense to CERCLA Liability.

Other: (state below) *As part of a study to pursue Land Use approval to use the land as an Industrial Park. It is currently zoned ag.*

**4. PLEASE PROVIDE A GENERAL SITE DESCRIPTION BY COMPLETING THE FOLLOWING TABLE:**

Legal description/ boundary survey/ plat available for inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Total Property Size <i>Site map provided previously</i>	
Total number of buildings <i>200 ACRES</i>	
Total square footage of buildings <i>0</i>	
Date of construction <i>0</i>	
Dates of significant renovation <i>N/A</i>	
Waste water discharge	
<input type="checkbox"/> Municipal Sanitary Sewer <input type="checkbox"/> On-site septic system <input checked="" type="checkbox"/> Other <i>NONE CURRENTLY</i>	
Potable water source	
<input type="checkbox"/> Community Water Supplier <input type="checkbox"/> On-site well <input checked="" type="checkbox"/> Other <i>NONE CURRENTLY</i>	
Please describe prior use of property, if known:	

**5. PREVIOUS INVESTIGATIONS:**

Have any previous environmental investigations been performed at the site?  
 Yes  No *NOT TO MY KNOWLEDGE*

**INVESTIGATION TYPE**  
**If yes, please describe conclusions, and attach copy of report(s)**

<input type="checkbox"/> Phase 1 ESA	
<input type="checkbox"/> Phase 2 ESA	
<input type="checkbox"/> Tank Tightness Testing	
<input type="checkbox"/> Asbestos Survey/ O&M	
<input type="checkbox"/> Radon	
<input type="checkbox"/> Lead-based Paint	
<input type="checkbox"/> Lead in Water	
<input type="checkbox"/> Operations & Maintenance Plan(s)	
<input type="checkbox"/> Other	



**6. ON SITE OPERATIONS**

Are you aware of any of the following conditions, either past or present, on the site?		
Condition	Response	If yes, please describe
1. Stored Chemicals	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2. Underground Storage Tanks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Aboveground Storage Tanks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Spills or Releases	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Dump Areas/ Landfills	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Waste Treatment Systems	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7. Clarifiers/ Separators	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Air stacks/ Vents/ Odors	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. Floor Drains/Sumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10. Stained Soil/ Impacted Vegetation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11. On-site OWNED Electrical Transformers	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12. Hydraulic lifts/ Elevators	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Dry Cleaning Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Wetlands/ Flooding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
15. Oil/ Gas/ Water/ Monitoring Wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
16. Environmental Cleanups	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
17. Environmental Permits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, please describe and ATTACH ALL COPIES of permits. Please attach last three waste manifests.
a) Industrial Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
b) POTW (NPDES)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
c) Hazardous Waste Generator	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
d) Air Quality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
e) Flammable Materials	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
f) AST/UST	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
g) Waste Manifest(s)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
h) other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**APPENDIX C**

**HISTORICAL RESEARCH DOCUMENTATION**



## EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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### Miki Basin - 200 Acre Industrial Site

Miki Road & Kaunalapau Highway

Lanai City, HI 96763

Inquiry Number: 3875991.8

March 12, 2014

## The EDR Aerial Photo Decade Package

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

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

**FEA REF-482**

**Date EDR Searched Historical Sources:**

Aerial Photography March 12, 2014

**Target Property:**

Miki Road & Kaunalapau Highway  
Lanai City, HI 96763

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1952	Aerial Photograph Scale: 1"=750'	Panel #: 20156-G8, ISLAND OF LANAI OE NW, HI./Flight Date: January 26, 1952	EDR
1952	Aerial Photograph Scale: 1"=750'	Panel #: 20156-G8, ISLAND OF LANAI OE NW, HI./Flight Date: January 26, 1952	EDR
1992	Aerial Photograph Scale: 1"=500'	Panel #: 20156-G8, ISLAND OF LANAI OE NW, HI./Flight Date: September 23, 1992	EDR
1992	Aerial Photograph Scale: 1"=500'	Panel #: 20156-G8, ISLAND OF LANAI OE NW, HI./Flight Date: September 23, 1992	EDR
1992	Aerial Photograph Scale: 1"=500'	Panel #: 20156-G8, ISLAND OF LANAI OE NW, HI./Flight Date: September 23, 1992	EDR
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3875991.8

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