



# **UNIVERSAL**

## **ENGINEERING SCIENCES**

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

Former Chancellor Charter School

4400 Dixie Highway NE

Palm Bay, Brevard County, Florida

Universal Project No.: 0340.1000052.0000

DOC's No.: 860811

September 2010

### **Prepared For:**

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September 27, 2010

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Dear Mr. Ghiotto:

Universal Engineering Sciences, Inc. (Universal) has completed a Phase I Environmental Site Assessment (ESA) in accordance with the American Society for Testing and Materials (ASTM) E1527-05 guidelines for the above referenced subject property. The purpose of this assessment was to identify recognized environmental conditions (RECs) as described in ASTM E1527-05.

Based on the results of the Phase I ESA, no unresolved RECs were identified in connection with the subject property and no further assessment appears warranted at this time.

Universal urges you to read the entire report and to contact the undersigned with any questions or concerns you may have with regard to its content or if you require additional information. Universal appreciates the opportunity to provide environmental services to you and looks forward to a continued association.

Respectfully Submitted,  
**Universal Engineering Sciences, Inc.**

Charles R. Sabas, CIEC, CMR  
Department Manager

2-Addressee



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## 1.0 EXECUTIVE SUMMARY

Universal Engineering Sciences, Inc. (Universal) was authorized by Florida Institute of Technology to conduct a Phase I Environmental Site Assessment (ESA) of the developed property located at 4400 Dixie Highway, Palm Bay, Florida (hereafter referred to as the "subject property") in accordance with Universal Proposal No. 0340.0910.00003, dated September 9, 2010.

At the time of this Phase I ESA, the subject property consisted of an irregular-shaped parcel comprising approximately 6.92-acres located at, 4400 Dixie Highway, Palm Bay, Brevard County, Florida. Please refer to the Property Location Map (Figure 1) and Property Layout Map (Figure 2) both presented in **Appendix A** for general location and layout.

Universal has conducted this Phase I ESA in accordance with the American Society for Testing and Materials (ASTM) E1527-05 guidelines. This included visual observations of the subject property and limited observations of adjoining parcels, review of historical ownership and land use, review of regulatory database listings, interviews, and related sources.

Based on these findings Universal concludes the following:

1. Universal found no evidence indicating stressed vegetation, underground storage tanks (USTs), aboveground storage tanks (ASTs), drinking water wells, monitoring wells or drums, polychlorinated biphenyls (PCBs), undocumented fill, seeps or ponds on the exterior portions of the property.
2. Universal found no evidence indicating improper solid or liquid hazardous waste dumping or disposal, USTs, PCBs, or concerning odors in the interior portions of the property.
3. Universal identified two facilities, ARA 24 Seven Auto Repair and Service and Palm Bay Marina within the ASTM Minimum Search Distance (MSD) that contains Leaking Underground Storage Tanks (LUST) and an Underground Storage Tanks (UST). Both facilities completed soil and groundwater rehabilitation and received a "No Further Action" from the Florida Department of Environmental Protection. Based on this information, coupled with the review of regulatory files, the potential for these facilities to have created a REC on the subject property appears low.
4. Universal found no evidence indicating the presence of other facilities within the ASTM minimum search distances that present unresolved RECs in connection with the property.



Based on the conclusions of the Phase I ESA conducted at the subject property, no unresolved RECs were identified and no further assessment appears warranted at this time.

## **2.0 INTRODUCTION**

### **2.1 Purpose**

The primary purpose of the assessment was to evaluate the subject property and surrounding properties to identify RECs associated with the past or present uses of the subject property and neighboring properties. The term "*recognized environmental conditions*" is defined by ASTM E1527-05 as, "the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

This environmental assessment was conducted following ASTM E1527-05 "Standard Practice for Environmental Site Assessment" guidelines. This assessment was also intended to identify potential off-site contaminant sources within the minimum search distances (MSDs) set forth in ASTM E1527-05.

### **2.2 Detailed Scope of Services**

The contracted scope of services consists of the preparation of a Phase I ESA of the subject property in accordance with the requirements set forth in ASTM E1527-05. The accuracy, correctness and completeness of this Phase I ESA is provided with knowledge of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) as set forth in 42 United States Code Section 9601 et seq., as amended.

The scope of work did not include an evaluation of lead-based paint, lead in drinking water, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, indoor air quality, radon, site geotechnics (soils, foundations, site retention, etc.), wetlands, endangered species, or construction materials testing. Universal can provide these additional services, if necessary.

### **2.3 Limitations and Exceptions**

The findings of this report represent Universal's professional judgment; no warranty is expressed or implied. These findings are relevant to the dates of our site work and the information cited herein. This report should not be relied upon to represent subject property conditions on other dates or at locations other than those specifically cited within the report. Universal can accept no responsibility for interpretations of these data



made by other parties. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the subject property.

## **2.4 Special Terms and Conditions**

This report, and the information contained herein, shall be the sole property of Universal until payment of any unpaid balance is made in full. The client agrees that until payment is made in full, the client shall not have a proprietary interest in this report or the information contained herein. Universal shall have the absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the client in the event of nonpayment of outstanding fees by the client pursuant to Universal's General Conditions (**Appendix B**).

## **2.5 User Reliance**

This report is intended for the sole use of Florida Institute of Technology. Its contents may not be relied upon by other parties without the explicit written consent of Universal. This is not a statement of suitability of the subject property for any use or purpose.

## **3.0 SUBJECT PROPERTY DESCRIPTION**

### **3.1 Location and Legal Description**

The subject property consists of 6.92-acres of a parcel located at 4400 Dixie Highway Palm Bay, Florida within Section 24, Township 28 South, Range 37 East in Palm Bay, Brevard County, Florida as shown in Figure 1. A legal description was provided to Universal by the client and is included in **Appendix C**. Please also refer Figure 2, Figure 3 (2009 Aerial Photograph) and Figure 4 (USGS Topographic Map) provided in **Appendix A**. A copy of the Brevard County Property Appraisers report is also provided in **Appendix C**.

### **3.2 Subject Property and Vicinity Characteristics**

At the time of the site assessment, the subject property was an irregular-shaped parcel comprising approximately 6.92-acres. The property was institutionally developed. The subject property vicinity generally consists of commercial to the north, east and south and residential to the south and west.

### **3.3 Current Subject Property Use**

At the time of the site assessment, the subject property was vacant and consisted of several single-story buildings and a two-story main building. The property was formally used as a hospital and most recently a private school.

### **3.4 Structures, Roads, and/or Other Improvements at the Subject Property**

At the time of the site assessment, the subject property was a mostly improved irregular-shaped parcel enclosed by a fence on the north, west and southern property



boundaries. Please refer to **Appendix A, Figure 2** and **Figure 3** which shows the subject property boundaries, surrounding roads, easements, and general subject property characteristics, as it appeared on September 20, 2010.

### 3.5 Current Uses of Adjoining Parcels

**Table 1** summarizes the current uses of the parcels adjoining the subject property.

**TABLE 1**  
**Description of Adjoining Parcels**

Direction from the Subject Property	Description of Current Use
North	Palm Bay Marina followed by Dixie Highway, Residential and the Indian River Lagoon
East	Dixie Highway followed by a Restaurant and a Gas Station and the Indian River Lagoon
South	A Shopping Center and Residential (Mobile Home Park)
West	Residential (Mobile Home Park)

None of the current uses of the adjoining properties appear likely to indicate the presence of RECs in connection with the subject property.

### 4.0 USER PROVIDED INFORMATION

#### 4.1 Title Records

A copy of the historical subject property ownership chain-of-title report was not provided to Universal as part of this Phase I ESA.

#### 4.2 Environmental Liens or Activity and Use Limitations

No other information was provided to Universal with respect to any environmental liens on the subject property.

#### 4.3 Specialized Knowledge

No specialized knowledge or experience related to the subject property or nearby properties was revealed. Interview documentation is presented in **Appendix I**.

#### 4.4 Valuation Reduction for Environmental Issues

The client did not inform Universal if the purchase price of the subject property is comparable with similar parcels in the subject area.





#### 4.5 Owner, Subject Property Manager, and Occupant Information

According to Brevard County Property Appraiser Records, the subject property is currently owned by CA Palm Bay, LLC.

#### 4.6 Reason for Performing Phase I ESA

The client identified the purpose of the Phase I ESA is to evaluate environmental business risk associated with acquiring the subject property.

#### 4.7 Other

The client did not provide Universal with any other information pertaining to the subject property, including information from previous environmental assessments.

### 5.0 RECORDS REVIEW

#### 5.1 Standard Environmental Record Sources

As part of this assessment, Universal reviewed regulatory sources to obtain information pertaining to potential releases of hazardous substances or petroleum products on or near the Subject Property. Universal reviewed a regulatory database search report, prepared by EDR. A copy of this report is provided in **Appendix D**. Universal also reviewed other available standard environmental record sources available online from the Florida Department of Environmental Protection (FDEP) on the OCLUS website (<http://dwmedms.dep.state.fl.us/>) and the Brevard County Natural Resources Management Office (NRMO) located in Viera, Florida, as necessary. The following state, county and federal sources were consulted during this record review:

##### State and County Database Review (FDEP and Brevard County)

- EPD/FDEP, Leaking Underground Storage Tanks (LUST)
- EPD/FDEP, Registered Underground Storage Tanks (UST)
- EPD/FDEP, Registered Aboveground Storage Tanks (AST)
- FDEP, State Hazardous Waste Sites (SHWS)
- FDEP, Solid Waste Facilities/Landfill Sites (SWF/LS)
- FDEP, State Brownfield Areas (BROWNFIELDS)
- FDEP, Voluntary Cleanup Sites (VCP)
- FDEP, Institutional Controls Registry (Institutional & Engineering Controls)

##### Federal Database Review [United States Environmental Protection Agency (EPA)]

- EPA, National Priorities List (NPL), including Delisted and Proposed NPL Sites
- EPA, Comprehensive Environmental Response Compensation and Liability Act Information System (CERCLIS)
- EPA, CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP)
- EPA, RCRA Treatment, Storage and Disposal (RCRA-TSD)
- EPA, RCRA Corrective Action Report (RCRA CORRACTS)
- EPA, RCRA Generators (RCRA GEN)



- EPA, Resource Conservation & Recovery Act Index System List (RCRIS)
- EPA, Institutional Controls Registry Database (Institutional & Engineering Controls)
- EPA, Emergency Response Notification System List (ERNS)
- EPA, RCRA Administrative Action Tracking System (RAATS)
- EPA, Brownfield Management System (BMS)
- EPA, Superfund Hazardous Waste Sites

**Table 2** lists the minimum search distances used during this assessment as set forth in ASTM E1527-05.

<b>TABLE 2 Minimum Search Distances - ASTM E1527-05</b>	
<b>Source</b>	<b>Search Distance</b>
Federal NPL Site List (National Priorities List)	1.0 mile
Federal Delisted NPL Site List	0.5 mile
Federal CERCLIS List (Comprehensive Environmental Response Compensation and Liability Act of 1980)	0.5 mile
Federal CERCLIS NFRAP Site List	0.5 mile
Federal RCRA CORRACTS Facilities List (Resource Conservation and Recovery Act)	1.0 mile
Federal RCRA non-CORRACTS TSD Facilities List	0.5 mile
Federal RCRA Generators List	Subject Property & adjoining parcels
Federal Institutional Control/Engineering Control Registries	Subject Property only
Federal ERNS List (Emergency Response Notification System)	Subject Property only
States and Tribal Lists of Hazardous Waste Sites identified for investigation or remediation:	
State- and Tribal-equivalent NPL	1.0 mile
State- and Tribal-equivalent CERCLIS	0.5 mile
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5 mile
State and Tribal Leaking Storage Tanks Lists	0.5 mile
State and Tribal Registered Storage Tank Lists	Subject Property & adjoining parcels
State and Tribal Institutional Control/Engineering Control Registries	Subject Property only
State and Tribal Voluntary Cleanup Sites	0.5 mile
State and Tribal Brownfield Sites	0.5 mile

### 5.1.1 FLORIDA STATE AND BREVARD COUNTY RECORDS REVIEW

According to information provided by EDR, the subject property is not listed in the state database. Five state or county regulated facilities in the vicinity of the subject property were identified within the MSDs. Information on these facilities is provided in **Table 3**. Please also refer to the “EDR Radius Map” provided in **Appendix D**.

In addition to reviewing the EDR Radius Map, Universal performed reconnaissance of the subject property vicinity to identify any sites not mapped by EDR due to inadequate or inaccurate address information and to look for unregistered facilities. No additional facilities were identified during Universal’s site reconnaissance.



### 5.1.2 FEDERAL RECORDS REVIEW

The EDR Radius Map indicates *Intersil Corporation*, a federally regulated site, located within the search radii. Information pertaining to the Intersil Corporation is provided below and in Table 3.

*Intersil Corporation* is located on the north side of Palm Bay Road, which was originally the location of the Harris Semi Conductor site, formerly owned by Harris Corporation. Harris Corporation also owns 148.84 acres on the south side of Palm Bay Road. Both *Intersil Corporation* and Harris Corporation are a registered final National Priorities List (NPL) site. The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. A portion of the subject property, the western-half, lies within the boundary of the NPL site.

Harris was placed on the NPL in August of 1987. According to the regulatory file maintained by FDEP, past practices at the Harris Corporation consisted of organic chemicals, used in the manufacturing of electronic devices and components, disposed of into percolation/evaporation ponds and discharged into surface ditches. The General Development Utilities (GDU) Port Malabar Well Field is located south of Harris (southwest of the subject property) and consists of 18 producing wells. In 1981 the EPA sampled the GDU wells as part of a nationwide survey of groundwater quality. Volatile Organic Compounds (VOCs) were found in six of the GDU wells. Two of the wells exhibited concentrations high enough for the FDEP to prohibit their use for potable water supply. The direction of groundwater flow in the VOC contaminated area was generally to the south with a potential for continued contaminant migration in that direction. For initial aquifer restoration, GDU installed an air-stripping unit in November of 1982 for VOC removal from the most contaminated GDU wells. Harris and the FDEP signed a consent agreement in December of 1983. According to terms of the agreement, Harris was to conduct a groundwater assessment at its government systems facility to determine the extent of contamination and begin a groundwater restoration program.

As with many Superfund Sites, the problems at the Harris Corporation Site are complex. Therefore, the EPA has divided the Harris Site in to a minimum of two operable units for better management of the response activities. The operable units are: OU1-contaminated groundwater associated with government systems (south of Palm Bay Road) and OU2-contaminated groundwater at the remainder of the site (including Semi Conductor complex and Building 100) as well as contaminated soils at the site (both north and south side of Palm Bay Road). Each operable unit has a separate groundwater recovery and treatment system.

In December 2003, a Five Year Review was submitted to the EPA by the Project Manager of Record (Lawrence S. Sims, P.G., with L.S. Sims & Associates, Inc. on behalf of Harris Corporation). The purpose of the Five-Year review was to determine



whether the remedy at the site is protective of human health and the environment. The Five-Year Review is required due to the fact that hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure.

According to the results of the Five-Year Review, "the remedy selection for OU1 consisted of continued operation of the existing extraction and treatment system, a design analysis for plume containment and treatment, modification of the system based on results of the design analysis, continued monitoring of the clean-up, and a review of the system and cleanup progress by EPA and FDEP after a period of five years. The extracted groundwater at OU1 flows through a network of pipes to a treatment system which removes VOCs using a packed column air-stripping tower. The treatment system for OU1 is located approximately 100 feet from the western border of the subject property. Based on evaluations of the natural attenuation processes occurring at the site, decreased contaminant concentrations in monitor well samples and the relatively small amount of mass being removed from the groundwater at the OU1 site, EPA approved a temporary deactivation of the OU1 groundwater treatment system on April 2, 2002. On October 21, 2002, the OU1 system was placed on standby mode with continued monitoring of groundwater to collect data necessary to demonstrate the long-term effectiveness of natural attenuation. During the review period, the most prevalent contaminant of concern (COC) remaining above the site remedial goals in OU1 and OU2 recovery well samples are Tetrachloroethene (PCE), Trichloroethene (TCE), and breakdown products *cis*-1,2-Dichloroethene (*Cis*-1,2-DCE) and Vinyl Chloride. In addition, 1,2-Dichlorobenzene (1,2-DCB) was also consistently detected above the site remedial goals in three OU1 recovery well samples."

Additionally, according to the results of the Five-Year Review, "performance monitoring data from OU1 and OU2 indicated that the remedies are functioning as intended in the decision documents. The remedies have provided containment and reduced the aerial extent of contaminants. The remedies have also effectively reduced the concentrations of contaminants in the impacted areas. The treatment systems at OU1 and OU2 have provided complete removal of VOCs. At OU1, concentrations of COC were all below the site remedial goals in the most recent sampling event (November 2002) from Recovery Well GS-505, except for vinyl chloride. This recovery well is located in the most impacted area of the site." Also, "studies at the Harris site provide evidence that biodegradation of groundwater contaminants is occurring, and bioattenuation rates are expected to equal or exceed the attenuation rate of the pump and treat systems. In June 2000, the OU2 groundwater extraction and treatment system was deactivated. On October 21, 2002 the OU1 groundwater extraction and treatment system was deactivated so that monitored natural attenuation could be evaluated as a viable remedy." Also, Universal's review of the Five-Year Review revealed that in November 2002 no groundwater contamination above the site remediation goals was identified within the intermediate or deep zones located on the subject property, and that the contaminate plume appears to be migrating in a south-southeasterly direction, toward to



the subject property. However, specific groundwater data from each monitoring well on site could not be identified during Universal’s review of the data; therefore, it is not known if minimal groundwater contamination exists. Additionally, the monitoring wells on the site do not provide data for the shallow zone groundwater, and no soil contamination information could be identified.

The recommendations and follow-up actions from the Five-Year Review state that groundwater monitoring should continue, and that the monitoring data should be evaluated to determine a site specific bioattenuation rate for each operable unit. The bioattenuation rate should be compared with the observed attenuation rate attributable to the pump and treat system. The long term effectiveness of monitored natural attenuation monitoring in meeting site cleanup goals can then be demonstrated.

Based on the above listed data for the subject property and due to the distance from the subject property the probability of this facility to impact the subject site appears low.

No additional facilities suspected of generating hazardous wastes were observed by Universal during reconnaissance of the subject property vicinity.

**TABLE 3**  
**Facilities Identified Within Minimum Search Distances**

Facility	Location	Database	Evaluation of Potential Recognized Environmental Concerns
ARA 24 Seven Auto Repair and Service 4371 Dixie Highway Palm Bay, Florida	Northwest 1/8 mile NW	LUST UST	This facility was an automotive repair facility and fueling station. This facility utilized two 4,000-gallon unleaded fuel tanks, two 10,000-gallon unleaded fuel tanks and one 4,000-gallon diesel fuel tank. These tanks were removed in December 2003 and replaced in July 2004 with two 12,000-gallon unleaded fuel UST. The site was cleaned-up and received a NFA by the FDEP in 2008 as per Ms. Maryann T. Civil of BCNRO. Due to this information the probability of this facility to create a REC on the subject property appears low.
Palm Bay Marina 4350 Dixie Highway Palm Bay, Florida	Northwest 1/8 mile NW	LUST UST	This facility is an occupied marina and fueling station. This facility utilized two 4,000-gallon unleaded fuel UST and were removed in 2009. The site was cleaned-up and received a NFA by the FDEP in 2008 as per Ms. Maryann T. Civil of BCNRO. Due to this information the probability of this facility to create a REC on the subject property appears low.
Harris Corporation aka Intersil Semiconductor (Solvent Leak) Palm Bay, Brevard County, Florida	Northwest 1/4 mile NW	CERCLIS FINDS NPL RCRA-LQG TRIS ROD MANIFEST FL SITES	See section 5.1.2 of this report for information on this site. Based on the distance and direction of this site from the subject property the potential for this facility to have created a REC on the subject property appears low.

Remaining facilities identified by EDR within the MSD did not present RECs in connection with the *Property*.



## **5.2 Additional Environmental Records**

No additional environmental records were reviewed as part of this assessment.

## **5.3 Physical Setting Sources**

The "Melbourne East," Florida USGS Topographic Quadrangle Map, dated 1976; Soil Conservation Services' Brevard County Soil Survey, dated 1974; Florida Department of Natural Resources' Geologic Map of Brevard County, dated 1993 were reviewed as sources for obtaining information regarding the physical setting of the subject property and surrounding vicinity.

### **5.3.1 TOPOGRAPHY**

According to the "Melbourne East," Florida USGS Topographic Map, the subject property is located approximately  $\pm 22$  feet National Geodetic Vertical Datum (NGVD). The topography in the subject property vicinity slopes gently downward to the north-northwest towards Turkey Creek. A copy of the USGS topographic map is provided as **Figure 4** in **Appendix A**.

### **5.3.2 SOILS/GEOLOGY**

The general physical characteristics of the near surface soils and surficial aquifer of Brevard County are fine, silty, and clayey sands with isolated layers of organic rich hardpan, clay and shell. Water within the surficial aquifer is recharged via rainfall and subsequent percolation. Beneath the surficial aquifer, late Miocene and Pliocene age undifferentiated sediments are locally encountered. Sediment thickness ranges from 0 to 100 feet and consists generally of blue clay and shell beds. Shell beds within this unit have been reported to yield small to moderate quantities of water under artesian conditions.

Beneath the undifferentiated sediments, the Hawthorn Group of Miocene age is found. The Hawthorn Group varies in thickness from 0 to 250 feet and is comprised primarily of sandy calcareous clay and cream to gray, sandy limestone. This formation is found to contain cream to black phosphatic rock and chert fragments locally. The interlayers of sandy phosphatic limerock may yield quantities of water. The Hawthorn Group is considered the confining sequence for the Floridian aquifer.

According to the Brevard County Soil Survey, the majority of surficial soils at the subject property appear to be classified as Myakka sands and Satellite sand. Myakka sands (Mk) are described as nearly level, poorly drained sandy soils in broad areas in the flatwoods and in areas between sand ridges and sloughs and ponds. Satellite sand (Sa) is described as a nearly level, somewhat poorly drained sandy soil on broad low ridges in the flatwoods.

### **5.3.3 HYDROGEOLOGY**

The general hydrogeology of Brevard County includes an unconfined surficial aquifer separated from the Floridian aquifer by the Hawthorn Group. The surficial aquifer is recharged by rainfall and can yield small to moderate amounts of water to small



diameter wells. The Floridan aquifer may reach 2,000 feet in thickness and is the primary source of the public water supply. The direction of shallow groundwater flow is generally toward major surface water bodies or in the general direction of the surface contours. The assumed direction of shallow groundwater flow, based on the USGS topographic map, is most likely to the north-northwest towards Turkey Creek. However, factors such as surface topography, seasonal fluctuations, soil and bedrock geology, production wells, and other factors beyond the scope of this assessment may often locally influence actual groundwater flow direction.

Based on our site reconnaissance, the subject property contains a dry retention area, located in the middle of the property and a steep decline to the north and west boundaries indicating groundwater may be flowing in that direction.

#### 5.4 Historical Use Information on the Subject Property

Based on our review of historical aerial photographs, subject property records, historical city directories, and interviews, the subject property was developed from at least 1986 to the present. Prior to 1986 the subject property was developed as a residential subdivision.

##### 5.4.1 AERIAL PHOTOGRAPH REVIEW

To evaluate previous land uses of the subject property and surrounding lands, historical aerial photographs were reviewed. The aerial photographs provide a progressive overview of the history of development in and in the vicinity of parcels pertaining to this assessment.

Universal reviewed aerial photographs from 1943, 1951, 1967, 1969, 1975, 1980, 1983, 1986, 1989, 1993, 1996, 1998, 2003 and 2007 available at the Brevard County Engineering Map Reproduction Department, and the 2001 and 2003 aerial photographs, produced by First American Real Estate Solutions, and maintained in Universal's Rockledge office. Please refer to Figure 3 (2009 Aerial Photograph) provided in **Appendix A**. Descriptions of Universal's observations are outlined in Table 4.

Photograph Date	Scale	Photograph Quality	Remarks
1943	1" = 660"	Fair	The Subject property is developed with roads and limited residential development. US Highway 1 is developed to the east of the Subject Property and the FEC Railroad tracks are present to the west.
1951	1" = 660"	Fair	Largely unchanged from the 1943 aerial photograph.
1958	1" = 400'	Fair	Largely unchanged from the 1951 aerial photograph.



<b>TABLE 4</b>			
<b>Summary of Aerial Photograph Observations</b>			
<b>Photograph Date</b>	<b>Scale</b>	<b>Photograph Quality</b>	<b>Remarks</b>
1967	1" = 400'	Fair	The Subject Property is unchanged from the 1958 aerial. However, the area developed to the south and west of the Subject Property with a great number of residential developments.
1969	1" = 400'	Fair	The Subject Property is unchanged from the 1967 aerial. However, residential expansion continued and a shopping center appeared to the south.
1975	1" = 200'	Fair	Largely unchanged from the 1969 aerial photograph.
1980	1" = 200'	Good	Largely unchanged from the 1975 aerial photograph.
1983	1"=200'	Good	Largely unchanged from the 1980 aerial photograph.
1986	1" = 200'	Good	The Subject Property is developed as it is today.
1989	1" = 200'	Good	Largely unchanged from the 1986 aerial photograph.
1993	1" = 200'	Good	Largely unchanged from the 1989 aerial photograph.
1996	1" = 200'	Good	Largely unchanged from the 1993 aerial photograph.
1998	1" = 200'	Good	Largely unchanged from the 1996 aerial photograph.
2003	1" = 300'	Good	Largely unchanged from the 1998 aerial photograph.
2007	1" = 300'	Good	Largely unchanged from the 2003 aerial photograph.

Review of the above referenced historical aerial photographs did not reveal potential RECs to the subject property.

#### **5.4.2 PROPERTY OWNERSHIP RECORDS**

A chain-of-title was not provided by the client for review. The Brevard County Property Appraisers' tax records were reviewed to provide additional information about the existing structures and use of the subject property. According to the tax records, the subject property is owned by CA Palm Bay, LLC. A copy of the Brevard County Property Appraiser's tax records for the subject property is located in **Appendix C**.

#### **5.4.3 FIRE INSURANCE MAP REVIEW**

Sanborn Fire Insurance maps are not available for the subject property and vicinity.

#### **5.4.4 HISTORICAL CITY DIRECTORIES**

Universal reviewed R.L. Polk & Co. historical city directories on the subject property available at the Melbourne Public Library in Melbourne, Florida. R.L. Polk directories were reviewed for the years 1960-1986 and the subject property address was not listed. Counter Point Center, a hospital and psychiatric medical facility, was listed from 1987-1998. From 1999-2000 No listing was available, 2001-2002 the subject property was listed as Milestone Community Charter School and from 2003-2009 the property was listed as the Chancellor Charter School.





#### **5.4.5 LAND USE RECORDS**

According to the Brevard County Property Appraisers website the land use code for the subject property at 4400 Dixie Highway is 7200, which is further defined as "C School - Private".

#### **5.4.6 OTHER HISTORICAL SOURCES**

No other historical sources were reviewed during this assessment.

#### **5.5 Historical Use Information on Adjoining Parcels**

According to review of aerial photographs, and historical city directories, the adjoining parcels surrounding the subject property were residential and light commercial. None of the historical uses of the remaining adjoining parcels appear to have the potential to have created a REC on the subject property.

### **6.0 INFORMATION FROM SITE RECONNAISSANCE**

#### **6.1 Methodology and Limiting Conditions**

On September 20, 2010, a reconnaissance of the subject property was completed by Mr. Charles R. Sabas, Department Manager, with Universal's Rockledge Office. The purpose of the site visit was to investigate the current conditions of the subject property and to obtain information indicating the likelihood of potential RECs in connection with the subject property. This visual inspection of the subject property focused primarily on surface features. At the time of the site reconnaissance, dry conditions prevailed and the weather was sunny and warm with clear visibility. The inspections included walking the subject property in a grid-like manner, walking the site perimeter, where accessible, and a drive-around survey of the subject property vicinity. Subject property use and significant features are indicated on the Property Layout Map (Figure 2) provided in **Appendix A**. Site photographs are included in **Appendix F**.

#### **6.2 General Site Setting**

The immediate subject property vicinity consists primarily of developed land including residential and commercial with limited areas undeveloped. The subject property was bound to the north by Palm Bay Marina followed by Dixie Highway and a residential development; to the west vacant wetlands, a canal and a trailer park, to the south the trailer park continued and a retail Shopping Center is present. The east was bound by Dixie Highway followed by commercial and residential.

The adjoining parcels were observed during the reconnaissance visit (without being entered). ARA 24 Seven Auto Repair and Service and Palm Bay Marina are LUST sites identified within close proximity of the subject property. These sites received NFA from the FDEP and do not create a REC with the subject property. None of the current uses of the remaining adjoining parcels appear likely to have the potential to have created a REC in connection with the subject property.



### **6.3 Exterior Observations**

During the site reconnaissance, the periphery of the subject property was viewed. The subject property was a mostly developed comprising approximately 6.92-acres. A generator located in the middle of the subject property was identified. The generator was fueled by propane and does not appear to be a REC associated with the subject property.

### **6.4 Interior Observations**

The structures associated with the subject property were entered at the time of the site reconnaissance. Some building materials were damaged and renovation is necessary for continued use. Several ceiling tiles in the main building were removed and revealed a fireproofing material applied to the structural supports. This material is suspected of containing asbestos and an Asbestos Survey of the facility is recommended. This is considered a concern but not a REC associated with the subject property per the scope of this report. No hazardous waste or petroleum related RECs were observed in the interior of the building.

## **7.0 INTERVIEWS**

### **7.1 Interview with Owner**

Universal did not receive a completed owner interview questionnaire from Mr. Thomas Cole, school principal and user of this Phase I ESA, the provided questionnaire is located in **Appendix I**.

### **7.2 Interview with Site Manager**

A site manager was not available for interview at the time of this assessment. However, the former maintenance supervisor Mr. Thomas Henderson was interviewed and answered questions regarding the propane generator. His complete interview is in **Appendix I**.

### **7.3 Interviews with Occupants**

There were no occupants present at the subject property at the time of our site reconnaissance. Therefore, no occupants were interviewed as part of this assessment.



#### **7.4 Interviews with Local Government Officials**

Universal interviewed Ms. Maryann T. Civil with the Brevard County Natural Resources Office (BCNRO) to obtain information regarding her knowledge of RECs with respect to the subject property and vicinity. Ms. Civil did not identify any potential RECs in connection with the subject property. Her complete interview is in **Appendix I**.

#### **7.5 Interviews with Others**

No others were interviewed as part of this assessment.

### **8.0 FINDINGS AND CONCLUSIONS**

Universal has performed this Phase I ESA in accordance with the scope and limitations of ASTM E1527-05 at 4400 Dixie Highway in Palm Bay, Brevard County, Florida. Any exceptions to or deletions from this practice are described in Sections 2.2, 2.3 and 2.4 of this report. This assessment did not find evidence of unresolved RECs in connection with the subject property and no further investigation is warranted.

### **9.0 DEVIATIONS**

Universal prepared this Phase I ESA in accordance with ASTM E1527-05.

### **10.0 ADDITIONAL SERVICES**

No additional services were provided as part of this Phase I ESA.

### **11.0 REFERENCES**

References reviewed during the Phase I ESA are documented in **Appendix G**.

### **12.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS**

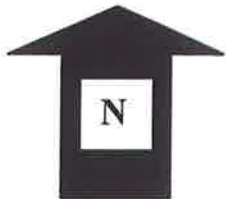
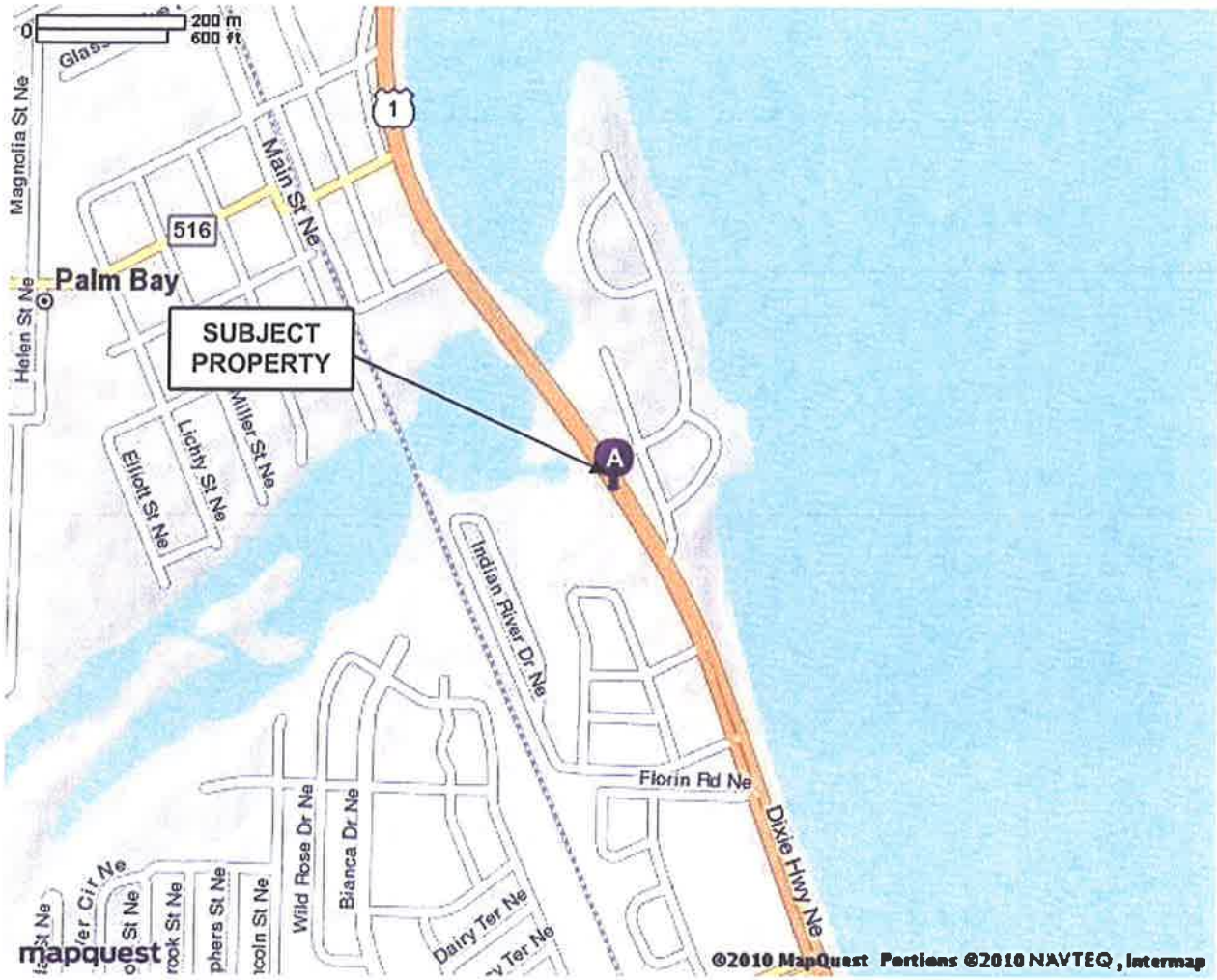
Please refer to the title page for signatures of the environmental professionals who prepared and reviewed this Phase I ESA.

### **13.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

This assessment was completed by Charles R. Sabas, Department Manager, under the guidance Mr. Richard Hoaglin, Branch Manager, both employees of Universal's Rockledge Office. Qualifications of personnel participating in this assessment are presented in **Appendix H**.



# **Appendix A**

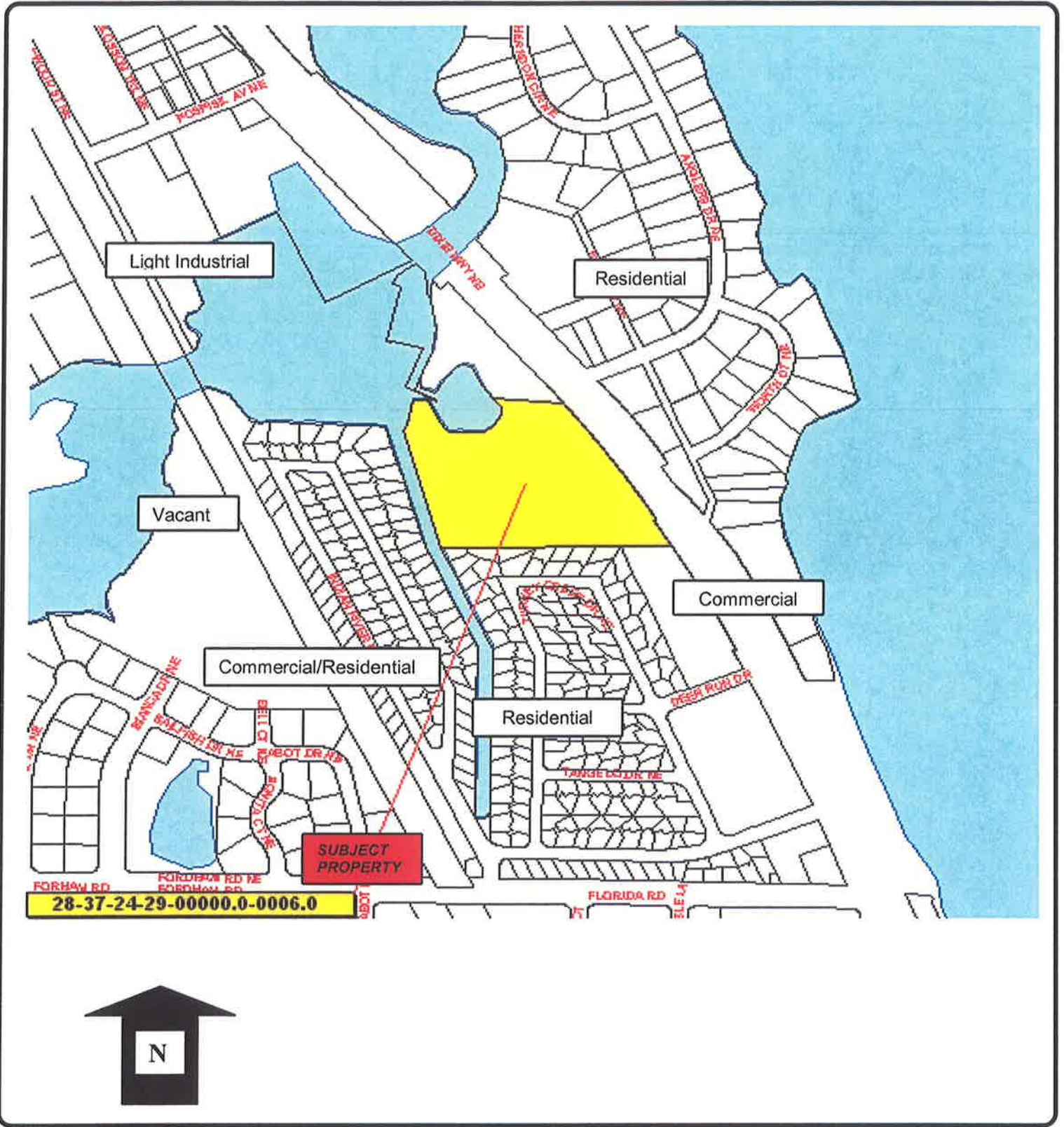


**Former Chancellor Charter School  
4400 Dixie Highway NE  
Palm Bay, Brevard County, Florida 32905**

**PROPERTY LOCATION MAP**



DRAWN BY: CRS	DATE: September 17, 2010	CHECKED BY: CRS	DATE: September 17, 2010
SCALE: N.T.S.	PROJECT NO: 0340.1000052.0000	REPORT NO:	PAGE NO: <b>FIGURE 1</b>



**Former Chancellor Charter School  
4400 Dixie Highway NE  
Palm Bay, Brevard County, Florida 32905**

**PROPERTY VICINITY LAYOUT MAP**



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DRAWN BY: CRS	DATE: September 17, 2010	CHECKED BY: CRS	DATE: September 17, 2010
SCALE: N.T.S.	PROJECT NO: 0340.1000052.0000	REPORT NO:	PAGE NO: <b>FIGURE 2</b>



**SUBJECT  
PROPERTY**

**N**

**28-37-24-29-00000.0-0006.0**

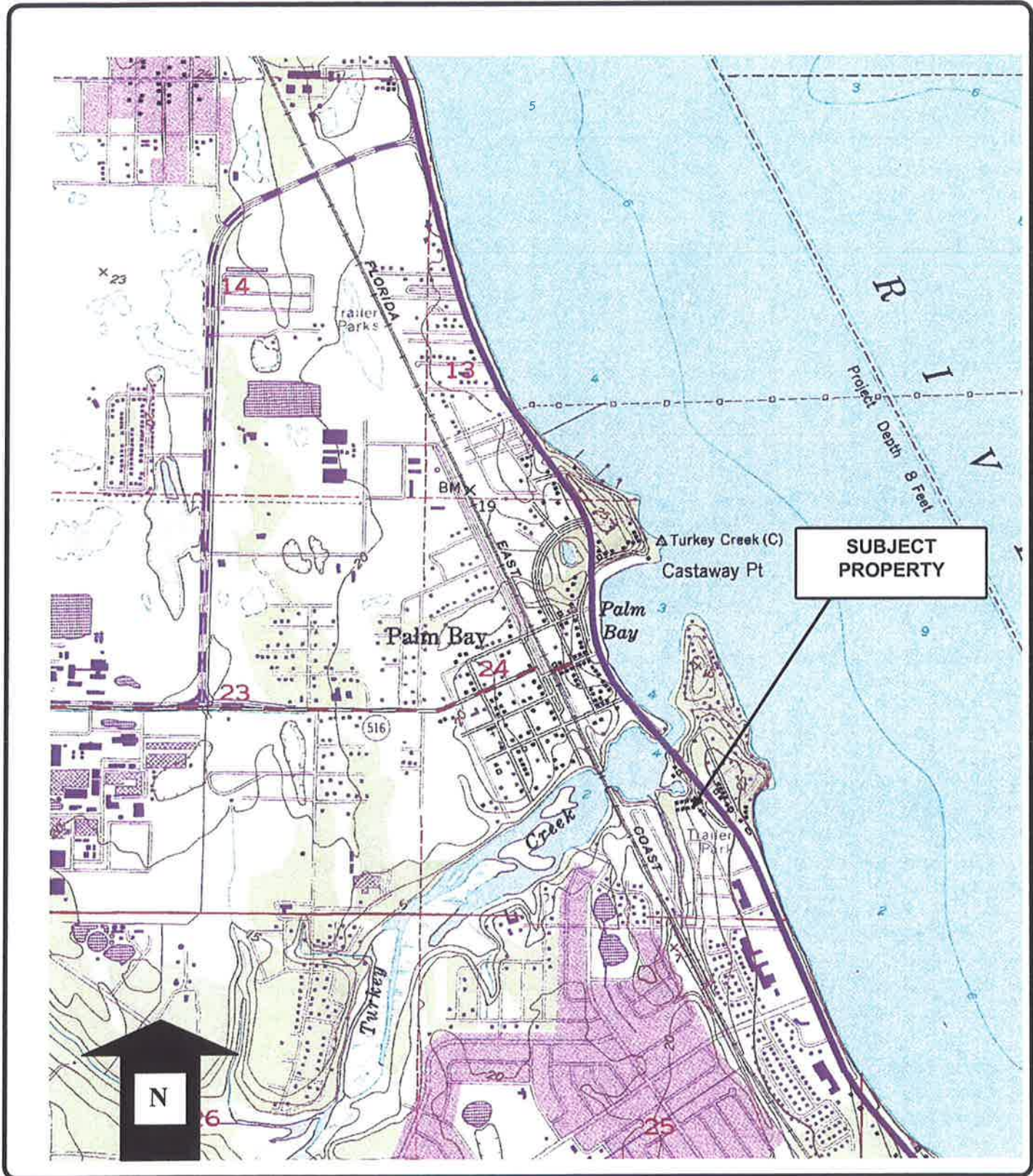


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**Former Chancellor Charter School  
4400 Dixie Highway NE  
Palm Bay, Brevard County, Florida 32905**

**2009 Aerial Photograph**

DRAWN BY: CRS	DATE: September 17, 2010	CHECKED BY: CRS	DATE: September 17, 2010
SCALE: N.T.S.	PROJECT NO: 0340.1000052.0000	REPORT NO:	PAGE NO: <b>FIGURE 3</b>



**Former Chancellor Charter School**  
**4400 Dixie Highway NE**  
**Palm Bay, Brevard County, Florida 32905**

**USGS TOPOGRAPHIC MAP (Melbourne 1988)**



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DRAWN BY:	CRS	DATE:	September 17, 2010	CHECKED BY:	CRS	DATE:	September 17, 2010
SCALE:	N.T.S.	PROJECT NO.:	0340.1000052.0000	REPORT NO.:		PAGE NO.:	FIGURE 4



# **Appendix B**

**Universal Engineering Sciences, Inc.**  
**GENERAL CONDITIONS**

**SECTION 1: RESPONSIBILITIES**

- 1.1 *Universal Engineering Sciences, Inc.*, heretofore referred to as the Consultant, has the responsibility for providing the services described under the Scope of Services section. The work is to be performed according to accepted standards of care and is to be completed in a timely manner. The term "Consultant" as used herein includes all of *Universal Engineering Sciences, Inc.*'s agents, employees, professional staff, and subcontractors.
- 1.2 The Client or a duly authorized representative is responsible for providing the Consultant with a clear understanding of the project nature and scope. The Client shall supply the Consultant with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys and designs, to allow the Consultant to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product.

**SECTION 2: STANDARD OF CARE**

- 2.1 Services performed by the Consultant under this Agreement are expected by the Client to be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Consultant's profession practicing contemporaneously under similar conditions in the locality of the project. No other warranty, express or implied, is made.
- 2.2 The Client recognizes that subsurface conditions may vary from those observed at locations where borings, surveys, or other explorations are made, and that site conditions may change with time. Data, interpretations, and recommendations by the Consultant will be based solely on information available to the Consultant at the time of service. The Consultant is responsible for those data, interpretations, and recommendations, but will not be responsible for other parties' interpretations or use of the information developed.

**SECTION 3: SITE ACCESS AND SITE CONDITIONS**

- 3.1 Client will grant or obtain free access to the site for all equipment and personnel necessary for the Consultant to perform the work set forth in this Agreement. The Client will notify any and all possessors of the project site that Client has granted Consultant free access to the site. The Consultant will take reasonable precautions to minimize damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of this Agreement unless so specified in the Proposal.
- 3.2 The Client is responsible for the accuracy of locations for all subterranean structures and utilities. The Consultant will take reasonable precautions to avoid known subterranean structures, and the Client waives any claim against Consultant, and agrees to defend, indemnify, and hold Consultant harmless from any claim or liability for injury or loss, including costs of defense, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate Consultant for any time spent or expenses incurred by Consultant in defense of any such claim with compensation to be based upon Consultant's prevailing fee schedule and expense reimbursement policy.

**SECTION 4: SAMPLE OWNERSHIP AND DISPOSAL**

- 4.1 Soil or water samples obtained from the project during performance of the work shall remain the property of the Client.
- 4.2 The Consultant will dispose of or return to Client all remaining soils and rock samples 60 days after submission of report covering those samples. Further storage or transfer of samples can be made at Client's expense upon Client's prior written request.
- 4.3 Samples which are contaminated by petroleum products or other chemical waste will be returned to Client for treatment or disposal, consistent with all appropriate federal, state, or local regulations.

**SECTION 5: BILLING AND PAYMENT**

- 5.1 Consultant will submit invoices to Client monthly or upon completion of services. Invoices will show charges for different personnel and expense classifications.
- 5.2 Payment is due 30 days after presentation of invoice and is past due 31 days from invoice date. Client agrees to pay a finance charge of one and one-half percent (1 1/2 %) per month, or the maximum rate allowed by law, on past due accounts.
- 5.3 If the Consultant incurs any expenses to collect overdue billings on invoices, the sums paid by the Consultant for reasonable attorneys' fees, court costs, Consultant's time, Consultant's expenses, and interest will be due and owing by the Client.

**SECTION 6: OWNERSHIP OF DOCUMENTS**

- 6.1 All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by the Consultant, as instruments of service, shall remain the property of the Consultant.
- 6.2 Client agrees that all reports and other work furnished to the Client or his agents, which are not paid for, will be returned upon demand and will not be used by the Client for any purpose.
- 6.3 The Consultant will retain all pertinent records relating to the services performed for a period of five years following submission of the report, during which period the records will be made available to the Client at all reasonable times.

**SECTION 7: DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS**

- 7.1 Client warrants that a reasonable effort has been made to inform Consultant of known or suspected hazardous materials on or near the project site.
- 7.2 Under this agreement, the term hazardous materials include hazardous materials (40 CFR 172.01), hazardous wastes (40 CFR 261.2), hazardous substances (40 CFR 300.6), petroleum products, polychlorinated biphenyls, and asbestos.
- 7.3 Hazardous materials may exist at a site where there is no reason to believe they could or should be present. Consultant and Client agree that the

discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work. Consultant and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for Consultant to take immediate measures to protect health and safety. Client agrees to compensate Consultant for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous waste.

- 7.4 Consultant agrees to notify Client when unanticipated hazardous materials or suspected hazardous materials are encountered. Client agrees to make any disclosures required by law to the appropriate governing agencies. Client also agrees to hold Consultant harmless for any and all consequences of disclosures made by Consultant which are required by governing law. In the event the project site is not owned by Client, Client recognizes that it is the Client's responsibility to inform the property owner of the discovery of unanticipated hazardous materials or suspected hazardous materials.
- 7.5 Notwithstanding any other provision of the Agreement, Client waives any claim against Consultant, and to the maximum extent permitted by law, agrees to defend, indemnify, and save Consultant harmless from any claim, liability, and/or defense costs for injury or loss arising from Consultant's discovery of unanticipated hazardous materials or suspected hazardous materials including any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for ultimate disposal of any samples secured by the Consultant which are found to be contaminated.

**SECTION 8: RISK ALLOCATION** (Must select a or b below if neither is selected a shall prevail)

- 8.1a Client agrees that Consultant's liability for any damage on account of any error, omission or other professional negligence will be limited to a sum not to exceed \$50,000 or Consultant's fee, whichever is greater. Client agrees that the foregoing limits of liability extend to all of consultant's employees and professionals who perform any services for Client. If Client prefers to have higher limits on professional liability, Consultant agrees to increase the limits up to a maximum of \$1,000,000.00 upon Client's written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or \$400,000, whichever is greater. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.
- 8.1b Client agrees that Consultant's liability for any damage on account of any error, omission or other professional negligence will be limited to a sum not to exceed \_\_\_\_\_ or Consultant's fee, whichever is greater. Client agrees that the foregoing limits of liability extend to all of consultant's employees and professionals who perform any services for Client.

**SECTION 9: INSURANCE**

- 9.1 The Consultant represents and warrants that it and its agents, staff and Consultants employed by it, is and are protected by worker's compensation insurance and that Consultant has such coverage under public liability and property damage insurance policies which the Consultant deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, Consultant agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by Consultant, its agents, staff, and consultants employed by it. The Consultant shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 8, whichever is less. The Client agrees to defend, indemnify and save Consultant harmless for loss, damage or liability arising from acts by Client, Client's agent, staff, and other consultants employed by Client.

**SECTION 10: DISPUTE RESOLUTION**

- 10.1 All claims, disputes, and other matters in controversy between Consultant and Client arising out of or in any way related to this Agreement will be submitted to alternative dispute resolution (ADR) such as mediation and/or arbitration, before and as a condition precedent to other remedies provided by law.
- 10.2 If a dispute at law arises related to the services provided under this Agreement and that dispute requires litigation instead of ADR as provided above, then:
- (a) the claim will be brought and tried in judicial jurisdiction of the court of the county where Consultant's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction, and
- (b) The prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees, and other claim related expenses.

**SECTION 11: TERMINATION**

- 11.1 This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Consultant shall be paid for services performed to the termination notice date plus reasonable termination expenses.
- 11.2 In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by the Agreement, Consultant may complete such analyses and records as are necessary to complete his files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of Consultant in completing such analyses, records and reports.

**SECTION 12: ASSIGNS**

- 12.1 Neither the Client nor the Consultant may delegate, assign, sublet or transfer his duties or interest in this Agreement without the written consent of the other party.

**SECTION 13. GOVERNING LAW AND SURVIVAL**

- 13.1 The laws of the State of Florida will govern the validity of these Terms, their interpretation and performance.
- 13.2 If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this Agreement for any cause.

# **Appendix C**

**Jim Ford, C.F.A.**  
**Property Appraiser**  
**Brevard County, FL**



**Property  
 Research**



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[\[Tax Facts\]](#) [\[FAQ\]](#) [\[Links\]](#) [\[In The News\]](#) [\[Contact Us\]](#)

**General Parcel Information for 28-37-24-29-00000.0-0006.00**

<b>Parcel Id:</b>	28-37-24-29-00000.0-0006.00	<a href="#">Map/Ortho</a>	<a href="#">Aerial</a>	<b>Millage Code:</b>	34U0	<b>Exemption:</b>	E	<b>Use Code:</b>	7200
<b>* Site Address:</b>	4400 DIXIE HWY NE , PALM BAY 32905							<b>Tax Acct:</b>	2832833

\* Site address information is assigned by the Brevard County Address Assignment Office for E9-1-1 purposes; this information may not reflect community location of property.

Tax information is available at the Brevard County Tax Collector's web site  
 (Select the back button to return to the Property Appraiser's web site)

**Owner Information**

<b>Owner Name:</b>	CA PALM BAY LLC
<b>Second Name:</b>	
	S/O CHANCELLOR BEACON ACADEMIES
<b>Mailing Address:</b>	3250 MARY ST STE 202 LESLIE PENA
<b>City, State, Zipcode:</b>	COCONUT GROVE, FL 33133

**Abbreviated Description**

<b>Plat Book/Page:</b>	<b>Sub Name:</b>	<b>Part Description:</b>
0001/0062	HOPSONS SUBD	PART OF LOTS 6 & 10 AS DES IN DB 396 PG 576 EX PB 12 PG 83,HWY R/W

[View Plat \(requires Adobe Acrobat Reader-file size may be large\)](#)

**Value Summary**

	2008	2009	2010
<b>* Market Value Total:</b>	\$2,270,000	\$2,169,320	\$1,666,180
<b>Agricultural Market Value:</b>	\$0	\$0	\$0
<b>Assessed Value Non-School:</b>	\$2,270,000	\$2,169,320	\$1,666,180
<b>Assessed Value School:</b>	\$2,270,000	\$2,169,320	\$1,666,180
<b>** Homestead Exemption:</b>	\$0	\$0	\$0
<b>** Additional Homestead:</b>	\$0	\$0	\$0
<b>** Other Exemptions:</b>	\$2,270,000	\$2,169,320	\$2,169,320
<b>*** Taxable Value Non-School:</b>	\$0	\$0	\$0
<b>*** Taxable Value School:</b>	\$0	\$0	\$0

**Land Information**

<b>Acres:</b>	6.92
<b>Site Code:</b>	165

\* This is the value established for ad valorem purposes in accordance with s.193.011(1) and (8), Florida Statutes. This value does not represent anticipated selling price for the property.

\*\* Exemptions as reflected on the Value Summary table are applicable for the year shown and may or may not be applicable if an owner change has occurred.

\*\*\* The additional exemption does not apply when calculating taxable value for school districts pursuant to amendment 1.

**Sales Information**

Official Records Book/Page	Sale Date	Sale Amount	Deed Type	*** Sales Screening Code	*** Sales Screening Source	Physical Change Code	Vacant/Improved
4344/2403	5/2001	\$2,300,000	WD				I
3820/0860	3/1998	\$1,400,000	WD				I
3627/0615	11/1996	\$1,033,900		07	01		I
2548/0835	10/1984	\$540,000	WD				
1391/0050	10/1973	\$150,000					

\*\*\* Sales Screening Codes and Sources are from analysis by the Property Appraiser's staff. They have no bearing on the prior or potential marketability of the property.

**Building Information Building Photos**

PDC #	Use Code	Year Built	Story Height	Frame Code	Exterior Code	Interior Code	Roof Type	Roof Mater.	Floors Code	Ceiling Code
1	7200	1986	12	04	06	03	09	04	03	03
2	7200	1986	16	04	06	03	09	04	03	03

**Building Area Information**

PDC #	Base Area	Garage Area	Open Porches	Car Port	Screened Porches	Utility Rooms	Enclosed Porch	Basements	Attics	Bonus Rooms	RV Carport	RV Garage	Total Base Area
1	30023	0	908	0	0	0	0	0	0	0	0	0	30023
2	9246	0	67	0	0	0	0	0	0	0	0	0	9246

**Extra Feature Information**

Extra Feature Description	Units
OUTBUILDING	108
COVERED PATIO	1676
WALL	1428
FENCE	260
LIGHT POLES	14
PAVING	31894

**Proposed Taxes 2010**

Taxing Authorities	Taxes Billed
<b>Ad Valorem</b>	
County	\$0.00
School	\$0.00
City/MSTU	\$0.00
Water Management	\$0.00
SP District	\$0.00
Debt Payment	\$0.00
<b>Total Ad Valorem</b>	<b>\$0.00</b>

**Rollback Taxes 2010**

Taxing Authorities	Taxes Billed
<b>Ad Valorem</b>	
County	\$0.00
School	\$0.00
City/MSTU	\$0.00
Water Management	\$0.00
SP District	\$0.00
Debt Payment	\$0.00
<b>Total Ad Valorem</b>	<b>\$0.00</b>

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# **Appendix D**



**Proposed Florida Institute of Technology Annex**  
4400 Dixie Highway NE  
Palm Bay, FL 32905

**Inquiry Number: 2871730.1s**  
**September 16, 2010**

## The EDR Radius Map™ Report



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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### GEOCHECK ADDENDUM

**GeoCheck - Not Requested**

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

4400 DIXIE HIGHWAY NE  
PALM BAY, FL 32905

#### COORDINATES

Latitude (North): 28.031100 - 28° 1' 52.0"  
Longitude (West): 80.577900 - 80° 34' 40.4"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 541491.0  
UTM Y (Meters): 3100547.5  
Elevation: 22 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 28080-A5 MELBOURNE EAST, FL  
Most Recent Revision: 1980

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

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

#### *Federal Delisted NPL site list*

Delisted NPL..... National Priority List Deletions

## EXECUTIVE SUMMARY

### **Federal CERCLIS list**

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

### **Federal CERCLIS NFRAP site List**

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

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

CORRACTS..... Corrective Action Report

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

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

### **Federal RCRA generators list**

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

### **Federal Institutional controls / engineering controls registries**

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

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

SHWS..... Florida's State-Funded Action Sites

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

SWF/LF..... Solid Waste Facility Database

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

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

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

AST..... ST102 - Facility/Owner/Tank Report  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FF TANKS..... Federal Facilities Listing  
FEMA UST..... Underground Storage Tank Listing

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

ENG CONTROLS..... Institutional Controls Registry

## EXECUTIVE SUMMARY

INST CONTROL..... Institutional Controls Registry

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

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

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

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

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

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

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

US CDL..... Clandestine Drug Labs  
PRIORITYCLEANERS..... Priority Ranking List  
US HIST CDL..... National Clandestine Laboratory Register

#### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System

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

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Oil and Hazardous Materials Incidents

#### ***Other Ascertainable Records***

DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System

## EXECUTIVE SUMMARY

RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database Listing
DRYCLEANERS.....	Drycleaning Facilities
DEDB.....	Ethylene Dibromide Database Results
NPDES.....	Wastewater Facility Regulation Database
AIRS.....	Permitted Facilities Listing
TIER 2.....	Tier 2 Facility Listing
FL Cattle Dip. Vats.....	Cattle Dipping Vats
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Steam-Electric Plan Operation Data
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants  
 EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

### STANDARD ENVIRONMENTAL RECORDS

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

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 08/05/2010 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ARA 24 SEVEN AUTO REPAIR &amp; SER</b>	<b>4371 SE DIXIE HWY</b>	<b>NW 0 - 1/8 (0.014 mi.)</b>	<b>1</b>	<b>8</b>
Discharge Cleanup Status: NFA - NFA COMPLETE				
Discharge Cleanup Status: NFA - NFA COMPLETE				

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PALM BAY MARINA</b> Discharge Cleanup Status: RA - RA ONGOING	<b>4350 DIXIE HWY NE</b>	<b>NW 0 - 1/8 (0.085 mi.)</b>	<b>A3</b>	<b>20</b>

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

UST: The Underground Storage Tank database contains registered USTs. Shortly after the September 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the UST list, as provided by EDR, and dated 08/05/2010 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ARA 24 SEVEN AUTO REPAIR &amp; SER</b>	<b>4371 SE DIXIE HWY</b>	<b>NW 0 - 1/8 (0.014 mi.)</b>	<b>1</b>	<b>8</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PALM BAY MARINA</b>	<b>4350 DIXIE HWY NE</b>	<b>NW 0 - 1/8 (0.085 mi.)</b>	<b>A3</b>	<b>20</b>

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

**BROWNFIELDS: Brownfield Areas.**

A review of the BROWNFIELDS list, as provided by EDR, and dated 07/12/2010 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RIVERVIEW S.M.A.R.T.</b>		<b>SW 0 - 1/8 (0.008 mi.)</b>	<b>0</b>	<b>7</b>

### **ADDITIONAL ENVIRONMENTAL RECORDS**

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

FI Sites: This summary status report is a compilation and revision of other existing lists. It was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency and Remedial Response Information System list (RCRA Section 3012), and existing department lists such as the Obsolete Uncontrolled Hazardous Waste Sites list. The purpose of this list is to track the progress of activities within and outside the department as they relate to the listed sites. It is not a list of uncontrolled sites or sources causing environmental contamination. The Sites List comes from the Department of Environmental Protection.

A review of the FI Sites list, as provided by EDR, and dated 12/31/1989 has revealed that there is 1 FI Sites site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HARRIS CORP. SEMICONDUCTOR (SO</b>	<b>PALM BAY ROAD</b>	<b>NW 1/4 - 1/2 (0.455 mi.)</b>	<b>5</b>	<b>26</b>

## EXECUTIVE SUMMARY

### ***Other Ascertainable Records***

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMET DRY CLEANERS & COIN LAUN	4500 DIXIE HWY NE	SSE 1/8 - 1/4 (0.158 mi.)	4	24

### **EDR PROPRIETARY RECORDS**

#### ***EDR Proprietary Records***

EDR Historical Auto Stations: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there is 1 EDR Historical Auto Stations site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PALM BAY SHELL (JOHN MATAROZZO)	4371 NE DIXIE HWY	NNW 0 - 1/8 (0.058 mi.)	A2	20

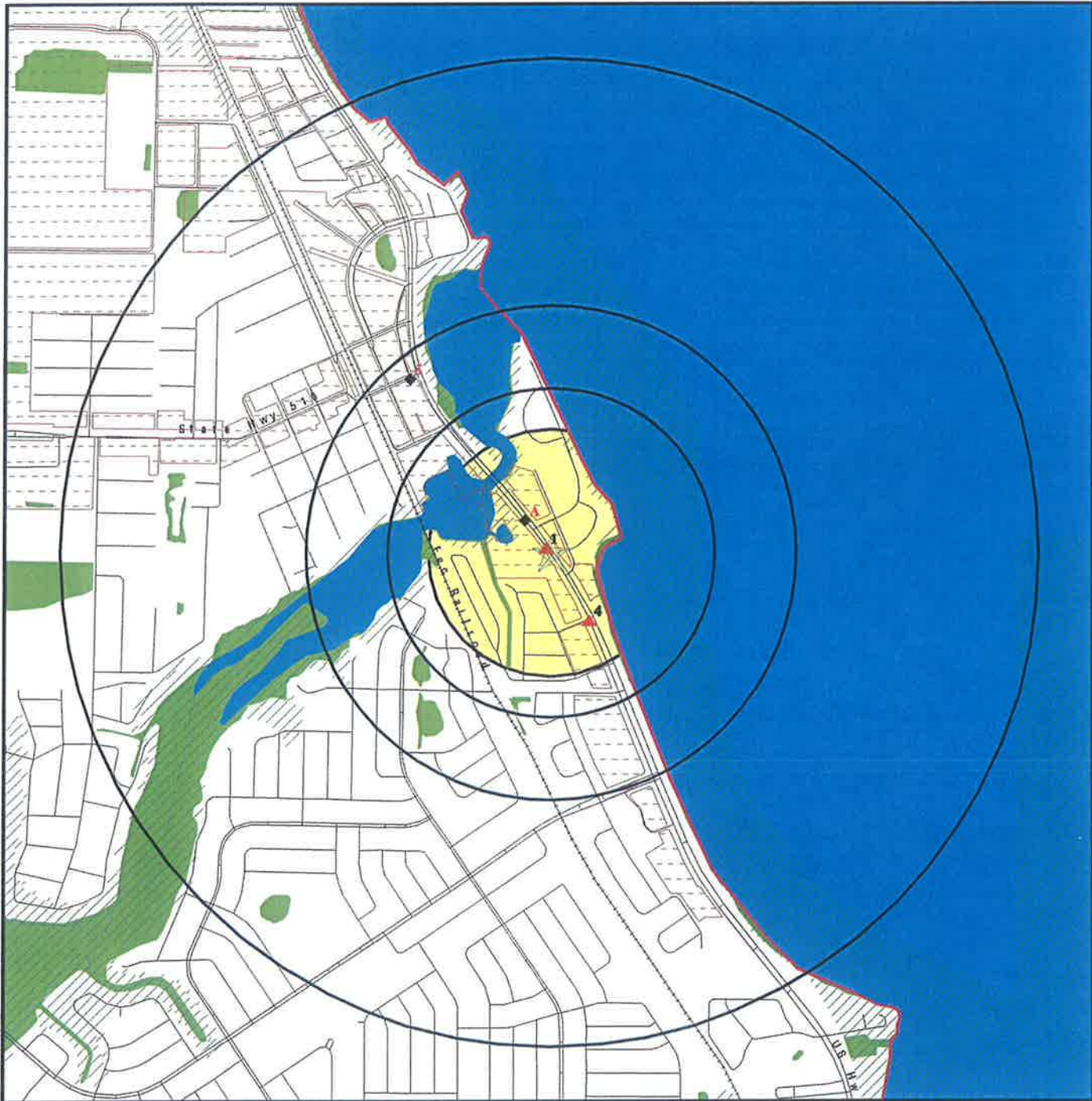


## EXECUTIVE SUMMARY

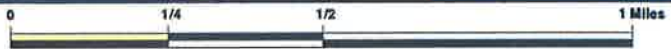
Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
US AIR FORCE-MALABAR TRANSMITTER A	FF TANKS
PALM BAY REGIONAL PARK DEBRIS STAG	SWF/LF
EXECUTIVE CIRCLE DEBRIS STAGING AR	SWF/LF
COOKES GARAGE-GLOVER OIL CO INC	AST
RT 2	DEDB
RT 2	DEDB
RT 2	DEDB
440 SE DIXIE HWY	DEDB
883 SE DIXIE HWY	DEDB
2950 S DIXIE	DEDB
BLACKHAWK QUARRY CO. OF FLORIDA, I	MINES

# OVERVIEW MAP - 2871730.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites



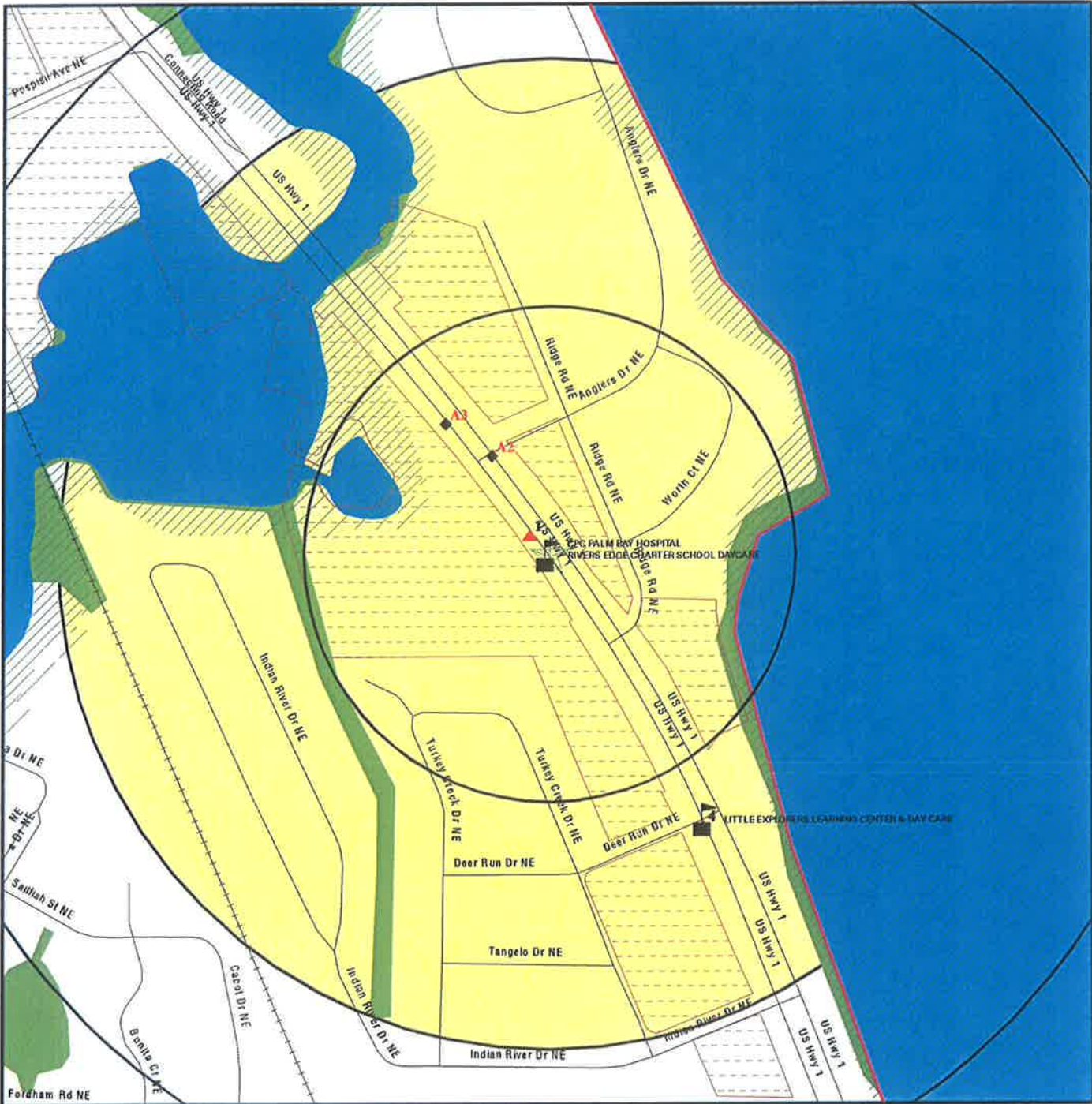
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- FL Brownfield

Z

**SITE NAME:** Proposed Florida Institute of Technology Annex  
**ADDRESS:** 4400 Dixie Highway NE  
 Palm Bay FL 32905  
**LAT/LONG:** 28.0311 / 80.5779

**CLIENT:** Universal Engineering Sciences  
**CONTACT:** Charles R. Sabas  
**INQUIRY #:** 2871730.1s  
**DATE:** September 16, 2010 5:07 pm

# DETAIL MAP - 2871730.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 📏 County Boundary
- 📏 Oil & Gas pipelines
- 🏠 100-year flood zone
- 🏠 500-year flood zone
- 🌿 National Wetland Inventory
- 🟡 State Wetlands

🏠 FL Brownfield

**SITE NAME:** Proposed Florida Institute of Technology Annex  
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 Palm Bay FL 32905  
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**CLIENT:** Universal Engineering Sciences  
**CONTACT:** Charles R. Sabas  
**INQUIRY #:** 2871730.1s  
**DATE:** September 16, 2010 5:07 pm

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FF TANKS		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
BROWNFIELDS		0.500	1	0	0	NR	NR	1
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL		TP	NR	NR	NR	NR	NR	0
FI Sites		1.000	0	0	1	0	NR	1
PRIORITYCLEANERS		0.500	0	0	0	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></b>								
RCRA-NonGen		0.250	0	1	NR	NR	NR	1
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
DEDB		0.500	0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats		0.500	0	0	0	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	1	0	NR	NR	NR	1
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

SW  
< 1/8  
43 ft.

RIVERVIEW S.M.A.R.T.  
PALM BAY, FL

BROWNFIELDS S110360610  
N/A

Additional polygons located at: SSE 2612 ft.; NW 2529 ft.; NW 2449 ft.

BROWNFIELDS:

Area Id:	BF051002000
Acreage:	1121.689082
Resolution Date:	5/10/2010
DEP District:	Central
User Name:	MCCLAIN_B
Dt Graphics Finished:	5/13/2010
Source:	City of Palm Bay
Resolution:	2010-17
Obj Id:	245
Latitude:	28.0396
Latitude Degree:	28
Latitude Minute:	2
Latitude Second:	22.62
Longitude:	-80.5981
Longitude Degree:	80
Longitude Minute:	35
Longitude Second:	53.33
X Coordinate:	733738
Y Coordinate:	452799
Area:	4539332.822178999
Method:	SHP
Brownfield Area Name:	Not reported
Brownfield Program Site Id:	Not reported
Brownfield Program Site Id:	Not reported
Brownfield Site Name:	Not reported
Brownfield Site Addr:	Not reported
BSRA City:	Not reported
City Code:	Not reported
BSRA County:	Not reported
County Code:	Not reported
FDEP District:	Not reported
District Code:	Not reported
Acreage:	Not reported
Obj Id:	Not reported
Site Remediation Progress:	Not reported
Tech/Analyst Who Processed The Graphics:	Not reported
Date Graphics Finished For Each Feature:	Not reported
BSRA Date:	Not reported
SRCO Date:	Not reported
Latitude:	Not reported
Latitude Degree:	Not reported
Latitude Minute:	Not reported
Latitude Second:	Not reported
Longitude:	Not reported
Longitude Degree:	Not reported
Longitude Minute:	Not reported
Longitude Seconds:	Not reported
X Coordinate:	Not reported
Y Coordinate:	Not reported
Verification:	Not reported
Verification Date:	Not reported
Comments:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RIVERVIEW S.M.A.R.T. (Continued)

S110360610

Source Of Info And/or Data For Each Feature: Not reported  
Processing Methodology: Not reported

1  
NW  
< 1/8  
0.014 mi.  
74 ft.

ARA 24 SEVEN AUTO REPAIR & SERVICE  
4371 SE DIXIE HWY  
PALM BAY, FL 32905

LUST U002312007  
UST N/A  
FINANCIAL ASSURANCE

Relative:  
Equal

Actual:  
22 ft.

LUST:

Region: STATE  
Facility Id: 8518323  
Facility Status: OPEN  
Facility Type: A - Retail Station  
Facility Phone: (321)768-0244  
Facility Cleanup Rank: 6627  
District: Central District  
Lat/Long (dms): 28 1 54.8689 / 80 34 41.1783  
Section: Not reported  
Township: Not reported  
Range: Not reported  
Feature: Not reported  
Method: GGPS  
Datum: 0  
Score: 26  
Score Effective Date: 02/11/2005  
Score When Ranked: 26  
Operator: ALFRED AGARIE  
Name Update: 11/23/2004  
Address Update: 11/23/2004

Discharge Cleanup Summary:

Discharge Date: 01/28/2004  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 03/21/2005  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Eligibility Indicator: I - I  
Site Manager: DIVERS\_D  
Site Mgr End Date: 05/26/2005  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU  
Discharge Date: 04/22/1988  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 05/04/1995  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Eligibility Indicator: E - E  
Site Manager: DIVERS\_D  
Site Mgr End Date: 03/25/2004  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU

Petroleum Cleanup Program Eligibility:

Facility ID: 8518323



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Discharge Date: 04/22/1988  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 05/04/1995  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Application Received Date: 6/7/1988  
Cleanup Program: E - EARLY DETECTION INCENTIVE  
Eligibility Status: 8/24/1988  
Elig Status Date: 8/24/1988  
Letter Of Intent Date: 07/05/1994  
Redetermined: No  
Inspection Date: 07/19/1988  
Site Manager: DIVERS\_D  
Site Mgr End Date: 03/25/2004  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU  
Deductible Amount: Not reported  
Deductible Paid To Date: 0  
Co-Pay Amount: Not reported  
Co-Pay Paid To Date: 0  
Cap Amount: Not reported

**Contaminated Media:**

Discharge Date: 01/28/2004  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 03/21/2005  
Cleanup Work Status: COMPLETED  
Information Source: D - DISCHARGE NOTIFICATION  
Other Source Description: Not reported  
Elig Indicator: I - INELIGIBLE  
Site Manager: DIVERS\_D  
Site Mgr End Date: 05/26/2005  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU  
Contaminated Drinking Wells: Not reported  
Contaminated Monitoring Well: Not reported  
Contaminated Soil: Yes  
Contaminated Surface Water: Not reported  
Contaminated Ground Water: Not reported  
Pollutant: B - UNLEADED GAS  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported  
Discharge Date: 04/22/1988  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 05/04/1995  
Cleanup Work Status: COMPLETED  
Information Source: E - EDI  
Other Source Description: Not reported  
Elig Indicator: E - ELIGIBLE  
Site Manager: DIVERS\_D  
Site Mgr End Date: 03/25/2004  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU  
Contaminated Drinking Wells: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Contaminated Monitoring Well: Yes  
Contaminated Soil: No  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: Z - OTHER NON REGULATED  
Pollutant Other Description: Not reported  
Gallons Discharged: Not reported

**Task Information:**

District: CD  
Facility ID: 8518323  
Facility Status: OPEN  
Facility Type: A - Retail Station -  
County: BREVARD  
County ID: 5  
Cleanup Eligibility Status: I  
Source Effective Date: 03-21-2005  
Discharge Date: 01-28-2004  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 03-21-2005  
SRC Action Type: NFA - NO FURTHER ACTION  
SRC Submit Date: 03-16-2005  
SRC Review Date: 03-21-2005  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 06-15-2005  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: DIVERS\_D  
Site Mgr End Date: 05-26-2005  
Tank Office: PCLP5 - Brevard County  
SR Task ID: Not reported  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comment: Not reported  
SA Task ID: 73755  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)

U002312007

RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 76808  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported  
District: CD  
Facility ID: 8518323  
Facility Status: OPEN  
Facility Type: A - Retail Station -  
County: BREVARD  
County ID: 5  
Cleanup Eligibility Status: E  
Source Effective Date: 05-04-1995  
Discharge Date: 04-22-1988  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Disch Cleanup Status Date: 05-04-1995  
SRC Action Type: NFA - NO FURTHER ACTION  
SRC Submit Date: 03-09-1995  
SRC Review Date: 04-27-1995  
SRC Completion Status: A - APPROVED  
SRC Issue Date: 05-04-1995  
SRC Comment: Not reported  
Cleanup Work Status: COMPLETED  
Site Mgr: DIVERS\_D  
Site Mgr End Date: 03-25-2004  
Tank Office: PCLP5 - Brevard County  
SR Task ID: 16331  
SR Cleanup Responsible: RP - RESPONSIBLE PARTY  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comment: Not reported  
SA Task ID: 16332  
SA Cleanup Responsible: RP - RESPONSIBLE PARTY  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: 05-04-1995  
SA Payment Date: Not reported  
RAP Task ID: 16333  
RAP Cleanup Responsible ID: RP - RESPONSIBLE PARTY  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 16334  
RA Cleanup Responsible: RP - RESPONSIBLE PARTY  
RA Funding Eligibility Type: -  
RA Years to Complete: Not reported  
RA Actual Cost: Not reported

**UST:**

Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: Retail Station  
Type Description: Retail Station  
DEP Contrctr Own: No  
Lat/Long (dms): 28 1 55 / 80 34 41  
Positioning Method: GGPS  
Region: STATE

**Owner:**

Owner Id: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address 2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Owner Contact: ALFRED AGARIE  
Owner Phone: (321) 768-0244

Tank Id: 1  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 4000  
Install Date: 01-JUL-1980  
Status: Removed  
Status Date: 01-DEC-2003

**Construction:**

Construction Category: Not reported  
Construction Description: Not reported

**Monitoring:**

Monitoring Description: Not reported

**Piping:**

Piping Category: Not reported  
Piping Description: Not reported

Tank Id: 1A  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Gallons: 12000  
Install Date: 01-JUL-2004  
Status: In service  
Status Date: 01-JUL-2004

**Construction:**

Construction Category: Overfill/Spill  
Construction Description: Ball check valve

Construction Category: Overfill/Spill  
Construction Description: Tight fill

Construction Category: Secondary Containment  
Construction Description: Double wall

Construction Category: Primary Construction  
Construction Description: Fiberglass clad steel

Construction Category: Overfill/Spill  
Construction Description: Spill containment bucket

**Monitoring:**

Monitoring Description: Monitor dbl wall tank space

Monitoring Description: Manual tank gauging - USTs

Monitoring Description: Mechanical line leak detector

Monitoring Description: Visual inspect pipe sumps

Monitoring Description: Visual inspect dispenser liners

**Piping:**

Piping Category: Secondary Containment  
Piping Description: Double wall

Piping Category: Miscellaneous Attributes  
Piping Description: Dispenser liners

Piping Category: Primary Construction  
Piping Description: Fiberglass

Piping Category: Miscellaneous Attributes  
Piping Description: Pressurized piping system

Tank Id: 2  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 4000  
Install Date: 01-JUL-1980  
Status: Removed  
Status Date: 01-DEC-2003

**Construction:**

Map ID  
Direction  
Distance  
Elevation

**MAP FINDINGS**

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

Tank Id: 2A  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 12000  
Install Date: 01-JUL-2004  
Status: In service  
Status Date: 01-JUL-2004

Construction:  
Construction Category: Secondary Containment  
Construction Description: Double wall  
  
Construction Category: Primary Construction  
Construction Description: Fiberglass clad steel  
  
Construction Category: Overfill/Spill  
Construction Description: Ball check valve  
  
Construction Category: Overfill/Spill  
Construction Description: Spill containment bucket  
  
Construction Category: Overfill/Spill  
Construction Description: Tight fill

Monitoring:  
Monitoring Description: Monitor UST/liner space  
  
Monitoring Description: Manual tank gauging - USTs  
  
Monitoring Description: Mechanical line leak detector  
  
Monitoring Description: Visual inspect pipe sumps  
  
Monitoring Description: Visual inspect dispenser liners

Piping:  
Piping Category: Primary Construction  
Piping Description: Fiberglass  
  
Piping Category: Secondary Containment  
Piping Description: Double wall  
  
Piping Category: Miscellaneous Attributes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Piping Description: Dispenser liners  
Piping Category: Miscellaneous Attributes  
Piping Description: Pressurized piping system

Tank Id: 3  
Tank Location: UNDERGROUND  
Substance: Vehicular diesel  
Content Description: Vehicular Diesel  
Vessel Indicator: TANK  
Gallons: 4000  
Install Date: 01-JUL-1980  
Status: Removed  
Status Date: 01-DEC-2003

Construction:  
Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

Tank Id: 4  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 10000  
Install Date: 01-JUL-1983  
Status: Removed  
Status Date: 01-DEC-2003

Construction:  
Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

Tank Id: 5  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 10000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Install Date: 01-JUL-1983  
Status: Removed  
Status Date: 01-DEC-2003

Construction:  
Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

**FINANCIAL ASSURANCE 3:**

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 15-JUL-1998  
Expire Date: 01-MAR-1999  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2009  
Expire Date: 07-FEB-2010  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2010  
Expire Date: 07-FEB-2011  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 01-DEC-1994  
Expire Date: 01-DEC-1998  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

**FINANCIAL ASSURANCE 3:**

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 15-JUL-1998  
Expire Date: 01-MAR-1999  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2009  
Expire Date: 07-FEB-2010  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2010  
Expire Date: 07-FEB-2011  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 01-DEC-1994  
Expire Date: 01-DEC-1998  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)**

**U002312007**

**FINANCIAL ASSURANCE 3:**

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 15-JUL-1998  
Expire Date: 01-MAR-1999  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2009  
Expire Date: 07-FEB-2010  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: COMMERCE & INDUSTRY  
Effective Date: 07-FEB-2010  
Expire Date: 07-FEB-2011  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ARA 24 SEVEN AUTO REPAIR & SERVICE (Continued)

U002312007

Region: 3  
Facility ID: 8518323  
Facility Phone: (321) 768-0244  
Facility Status: OPEN  
Facility Type: A  
Type Description: Retail Station  
DEP CO: N  
Financial Responsibility: INSURANCE  
Insurance Company: FPLIPA  
Effective Date: 01-DEC-1994  
Expire Date: 01-DEC-1998  
Owner ID: 57128  
Owner Name: ARA 24 SEVEN  
Owner Address: 281 EMERSON DR NW  
Owner Address2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32907  
Contact: ALFRED AGARIE  
Resp Party Phone: (321) 768-0244

A2  
NNW  
< 1/8  
0.058 mi.  
306 ft.

PALM BAY SHELL (JOHN MATAROZZO)  
4371 NE DIXIE HWY  
MELBOURNE, FL

EDR Historical Auto Stations 1009055422  
N/A

Site 1 of 2 in cluster A

Relative:  
Lower  
Actual:  
21 ft.

EDR Historical Auto Stations:

Name: PALM BAY SHELL  
Year: 1989  
Type: GASOLINE STATIONS  
Name: PALM BAY SHELL  
Year: 1989  
Type: GASOLINE STATIONS

Name: PALM BAY SHELL (JOHN MATAROZZO)  
Year: 1993  
Type: GASOLINE STATIONS

Name: PALM BAY SHELL (JOHN MATAROZZO)  
Year: 1993  
Type: GASOLINE STATIONS

A3  
NW  
< 1/8  
0.085 mi.  
447 ft.

PALM BAY MARINA  
4380 DIXIE HWY NE  
PALM BAY, FL 32905

LUST U003109263  
UST N/A

Site 2 of 2 in cluster A

Relative:  
Lower  
Actual:  
17 ft.

LUST:

Region: STATE  
Facility Id: 8841482  
Facility Status: CLOSED  
Facility Type: V - Marine/Coastal Fuel Storage  
Facility Phone: (321)723-0851  
Facility Cleanup Rank: Not reported  
District: Central District

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PALM BAY MARINA (Continued)**

**U003109263**

Lat/Long (dms): 28 1 55.7815 / 80 34 46.6231  
Section: Not reported  
Township: Not reported  
Range: Not reported  
Feature: Not reported  
Method: GGPS  
Datum: 0  
Score: 26  
Score Effective Date: 10/12/2009  
Score When Ranked: Not reported  
Operator: SPADA, MARIUS  
Name Update: Not reported  
Address Update: 05/20/1999

**Petroleum Cleanup PCT Facility Score:**

Facility Cleanup Status: ONGO - ONGOING  
Contact: Not reported  
Contact Company: F H GREEN PROPERTIES LTD  
Contact Address: 4350 DIXIE HWY NE  
Contact City/State/Zip: PALM BAY, FL 32905  
Phone: Not reported  
Bad Address Ind: N  
State: FL  
Zip: 32905  
Score: 26  
Score Effective Date: 2009-10-12 00:00:00  
Related Party ID: 56445  
Primary RP Role: ACCOUNT OWNER  
RP Begin Date: 06/22/2004  
RP Zip: Not reported  
RP Extension: Not reported

**Discharge Cleanup Summary:**

Discharge Date: 06/24/2008  
PCT Discharge Combined: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: RA - RA ONGOING  
Disch Cleanup Status Date: 11/05/2009  
Cleanup Work Status: ACTIVE  
Information Source: C - CLOSURE REPORT  
Other Source Description: Not reported  
Eligibility Indicator: I - I  
Site Manager: CIVIL\_MT  
Site Mgr End Date: Not reported  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU

**Petroleum Cleanup Program Eligibility:**

Facility ID: Not reported  
Discharge Date: Not reported  
Pct Discharge Combined With: Not reported  
Cleanup Required: Not reported  
Discharge Cleanup Status: Not reported  
Disch Cleanup Status Date: Not reported  
Cleanup Work Status: Not reported  
Information Source: Not reported  
Other Source Description: Not reported  
Application Received Date: Not reported  
Cleanup Program: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PALM BAY MARINA (Continued)**

**U003109263**

Eligibility Status: Not reported  
Elig Status Date: Not reported  
Letter Of Intent Date: Not reported  
Redetermined: Not reported  
Inspection Date: Not reported  
Site Manager: Not reported  
Site Mgr End Date: Not reported  
Tank Office: Not reported  
Deductible Amount: Not reported  
Deductible Paid To Date: Not reported  
Co-Pay Amount: Not reported  
Co-Pay Paid To Date: Not reported  
Cap Amount: Not reported

**Contaminated Media:**

Discharge Date: 06/24/2008  
Pct Discharge Combined With: Not reported  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: RA - RA ONGOING  
Disch Cleanup Status Date: 11/05/2009  
Cleanup Work Status: ACTIVE  
Information Source: C - CLOSURE REPORT  
Other Source Description: Not reported  
Elig Indicator: I - INELIGIBLE  
Site Manager: CIVIL\_MT  
Site Mgr End Date: Not reported  
Tank Office: PCLP5 - BREVARD OFFICE OF NATU  
Contaminated Drinking Wells: Not reported  
Contaminated Monitoring Well: No  
Contaminated Soil: Yes  
Contaminated Surface Water: No  
Contaminated Ground Water: Yes  
Pollutant: D - VEHICULAR DIESEL  
Pollutant Other Description: Also unleaded gasoline  
Gallons Discharged: 25

**Task Information:**

District: CD  
Facility ID: 8841462  
Facility Status: CLOSED  
Facility Type: V - Marine/Coastal Fuel Storage -  
County: BREVARD  
County ID: 5  
Cleanup Eligibility Status: I  
Source Effective Date: 11-05-2009  
Discharge Date: 06-24-2008  
Cleanup Required: R - CLEANUP REQUIRED  
Discharge Cleanup Status: RA - RA ONGOING  
Disch Cleanup Status Date: 11-05-2009  
SRC Action Type: RNA - REMEDIATION BY NATURAL ATTENUATION  
SRC Submit Date: 09-18-2009  
SRC Review Date: 11-05-2009  
SRC Completion Status: A - APPROVED  
SRC Issue Date: Not reported  
SRC Comment: Not reported  
Cleanup Work Status: ACTIVE  
Site Mgr: CIVIL\_MT  
Site Mgr End Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PALM BAY MARINA (Continued)**

**U003109263**

Tank Office: PCLP5 - Brevard County  
SR Task ID: Not reported  
SR Cleanup Responsible: -  
SR Funding Eligibility Type: -  
SR Actual Cost: Not reported  
SR Completion Date: Not reported  
SR Payment Date: Not reported  
SR Oral Date: Not reported  
SR Written Date: Not reported  
SR Soil Removal: Not reported  
SR Free Product Removal: Not reported  
SR Soil Tonnage Removed: Not reported  
SR Soil Treatment: Not reported  
SR Other Treatment: Not reported  
SR Alternate Proc Received Date: Not reported  
SR Alternate Procedure Status: Not reported  
SR Alternate Procedure Status Date: Not reported  
SR Alternate Procedure Comments: Not reported  
SA Task ID: 83113  
SA Cleanup Responsible: -  
SA Funding Eligibility Type: -  
SA Actual Cost: Not reported  
SA Completion Date: Not reported  
SA Payment Date: Not reported  
RAP Task ID: Not reported  
RAP Cleanup Responsible ID: -  
RAP Funding Eligibility Type: -  
RAP Actual Cost: Not reported  
RAP Completion Date: Not reported  
RAP Payment Date: Not reported  
RAP Last Order Approved: Not reported  
RA Task ID: 85168  
RA Cleanup Responsible: -  
RA Funding Eligibility Type: -  
RA Years to Complete: 0  
RA Actual Cost: Not reported

**UST:**

Facility ID: 8841462  
Facility Phone: (321) 723-0851  
Facility Status: CLOSED  
Facility Type: Marine Fueling facility  
Type Description: Marine/Coastal Fuel Storage  
DEP Contrctr Own: No  
Lat/Long (dms): 28 1 57 / 80 34 48  
Positioning Method: GGPS  
Region: STATE

**Owner:**

Owner Id: 56445  
Owner Name: F H GREEN PROPERTIES LTD  
Owner Address: 4350 DIXIE HWY NE  
Owner Address 2: Not reported  
Owner City,St,Zip: PALM BAY, FL 32905  
Owner Contact: Not reported  
Owner Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PALM BAY MARINA (Continued)**

**U003109203**

Tank Id: 1  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 4000  
Install Date: 01-JUL-1989  
Status: Removed  
Status Date: Not reported

Construction:  
Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

Tank Id: 2  
Tank Location: UNDERGROUND  
Substance: Unleaded gas  
Content Description: Unleaded Gas  
Vessel Indicator: TANK  
Gallons: 4000  
Install Date: 01-AUG-1988  
Status: Removed  
Status Date: 06-MAR-2009

Construction:  
Construction Category: Not reported  
Construction Description: Not reported

Monitoring:  
Monitoring Description: Not reported

Piping:  
Piping Category: Not reported  
Piping Description: Not reported

4  
SSE  
1/8-1/4  
0.158 mi.  
932 ft.

**COMET DRY CLEANERS & COIN LAUNDRY**  
4500 DIXIE HWY NE  
PALM BAY, FL 32905

**RCRA-NonGen 1000223440**  
**FINDS FLD981751530**

Relative:  
Higher

RCRA-NonGen:  
Date form received by agency: 01/14/2008  
Facility name: COMET DRY CLEANERS & COIN LAUNDRY  
Facility address: 4500 DIXIE HWY NE  
PALM BAY, FL 329054338  
EPA ID: FLD981751530  
Contact: JAY GITTINGS

Actual:  
27 ft.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COMET DRY CLEANERS & COIN LAUNDRY (Continued)**

1000223440

Contact address: 4500 DIXIE HWY NE  
PALM BAY, FL 329054338  
Contact country: US  
Contact telephone: 4077279908  
Contact email: Not reported  
EPA Region: 04  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**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: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

**Historical Generators:**

Date form received by agency: 05/31/1990  
Facility name: COMET DRY CLEANERS & COIN LAUNDRY  
Classification: Small Quantity Generator

Violation Status: No violations found

**FINDS:**

Registry ID: 110002548495

**Environmental Interest/Information System**

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

Florida Environmental System Today Application (FIESTA) Data Maintenance (FDM) system maintains entity, environmental interest and affiliation data for the State of Florida.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

5  
NW  
1/4-1/2  
0.455 mi.  
2402 ft.

HARRIS CORP. SEMICONDUCTOR (SOLVENT LEAK  
PALM BAY ROAD  
PALM BAY, FL

FI Sites S100888598  
N/A

Relative:  
Lower

Actual:  
2 ft.

FI Sites:  
Monthly Update: May  
Air Contam: Not reported  
Soil Contam: Confirmed  
Surface Water Contam: Not reported  
Ground Water Contam: Confirmed  
Warning Letter Status: Not reported  
Notice of Violation Status: No  
Consent Order Status: Yes  
Admin Hearing Status: No  
Court Status: No  
Final Order Status: No  
Cleanup Started: Yes  
Cleanup Completed: No  
Deletion Recommended: No  
Other: Not reported  
District: CENTRAL FLORIDA  
Facility ID: 000432  
EPA ID: Not reported  
Lead Unit: BWC  
Support Unit: DIST OGC  
Status: ACTIVE  
Status Date: 01/27/86  
Comments:

NEW SITE 1-86. CONTAMINATED SOIL REMOVED 12-85. GROUNDWATER TREATMENT AND DISCHARGE THROUGH IW PLANT COMPLETED. CONSENT ORDER DRAFTED AND FORWARDED TO HARRIS 1-86. THIRD DRAFT CO REVIEWED BY OGC, BWC, AND DISTRICT 4-86. FINAL DRAFT FORWARDED TO HARRIS 5-86. CONSENT ORDER EXECUTED 7-86. CONTAMINATION ASSESSMENT PLAN IMPLEMENTED; REPORT SUBMITTED 11-86. REMEDIAL ACTION PLAN (RAP) AND FEASIBILITY STUDY (FS) BEING PREPARED BY RESPONDENT 2-88.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREVARD COUNTY	M300006489	BLACKHAWK QUARRY CO. OF FLORIDA, I	BLACKHAWK QUARRY		MINES
PALM BAY	S108824052		RT 2		DEDB
PALM BAY	S108824041		RT 2		DEDB
PALM BAY	S108824040		RT 2		DEDB
PALM BAY	S109668794	PALM BAY REGIONAL PARK DEBRIS STAG	W ABOUT 6		SWF/LF
PALM BAY	S109668793	EXECUTIVE CIRCLE DEBRIS STAGING AR	BEHIND GAS STATION OFF HOLLYWO		SWF/LF
PALM BAY	S108814301		440 SE DIXIE HWY		DEDB
PALM BAY	S108822577		883 SE DIXIE HWY		DEDB
PALM BAY	S108809209		2950 S DIXIE		DEDB
PALM BAY	A100179791	COOKES GARAGE-GLOVER OIL CO INC	300 N MAIN ST	32905	AST
PALM BAY	S109353416	US AIR FORCE-MALABAR TRANSMITTER A	5600 SE MINTON RD		FF TANKS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

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

#### **NPL: National Priority List**

**National Priorities List (Superfund).** The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 3  
Telephone 215-814-5418

EPA Region 4  
Telephone 404-562-8033

EPA Region 5  
Telephone 312-886-6686

EPA Region 10  
Telephone 206-553-8665

EPA Region 6  
Telephone: 214-655-6659

EPA Region 7  
Telephone: 913-551-7247

EPA Region 8  
Telephone: 303-312-6774

EPA Region 9  
Telephone: 415-947-4246

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

**Federal Superfund Liens.** Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/16/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/29/2010
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

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

Date of Government Version: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/02/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Quarterly

### **FEDERAL FACILITY: Federal Facility Site Information listing**

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 07/21/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 09/02/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly

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

### **CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/25/2010  
Date Data Arrived at EDR: 03/31/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 57

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

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

#### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

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

#### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

#### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

#### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010  
Date Data Arrived at EDR: 02/19/2010  
Date Made Active in Reports: 05/17/2010  
Number of Days to Update: 87

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 08/19/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Institutional controls / engineering controls registries***

### **US ENG CONTROLS: Engineering Controls Sites List**

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

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

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

## ***Federal ERNS list***

### **ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 07/09/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Annually

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

### **SHWS: Florida's State-Funded Action Sites**

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/13/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/02/2010	Telephone: 850-488-0190
Date Made Active in Reports: 06/18/2010	Last EDR Contact: 09/02/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Semi-Annually

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

### **SWF/LF: Solid Waste Facility Database**

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2010  
Date Data Arrived at EDR: 07/27/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 31

Source: Department of Environmental Protection  
Telephone: 850-922-7121  
Last EDR Contact: 07/27/2010  
Next Scheduled EDR Contact: 11/08/2010  
Data Release Frequency: Semi-Annually

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

#### **LUST: Petroleum Contamination Detail Report**

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/05/2010  
Date Data Arrived at EDR: 08/12/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 15

Source: Department of Environmental Protection  
Telephone: 850-245-8839  
Last EDR Contact: 08/12/2010  
Next Scheduled EDR Contact: 08/23/2010  
Data Release Frequency: Quarterly

#### **INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2010  
Date Data Arrived at EDR: 05/28/2010  
Date Made Active in Reports: 08/09/2010  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Quarterly

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

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/19/2010  
Date Data Arrived at EDR: 05/21/2010  
Date Made Active in Reports: 08/09/2010  
Number of Days to Update: 80

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Semi-Annually

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

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/04/2010  
Date Data Arrived at EDR: 05/05/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 22

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Quarterly

#### **INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land**

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009  
Date Data Arrived at EDR: 02/19/2009  
Date Made Active in Reports: 03/16/2009  
Number of Days to Update: 25

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Varies

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

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/03/2010  
Date Data Arrived at EDR: 05/05/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 22

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/04/2010	Telephone: 913-551-7003
Date Made Active in Reports: 07/07/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6271
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

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

UST: STI02 - Facility/Owner/Tank Report  
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/05/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/12/2010	Telephone: 850-245-8839
Date Made Active in Reports: 09/13/2010	Last EDR Contact: 08/12/2010
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Quarterly

AST: STI02 - Facility/Owner/Tank Report  
Registered Aboveground Storage Tanks.

Date of Government Version: 08/05/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/12/2010	Telephone: 850-245-8839
Date Made Active in Reports: 09/13/2010	Last EDR Contact: 08/12/2010
Number of Days to Update: 32	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2010	Source: EPA Region 9
Date Data Arrived at EDR: 05/28/2010	Telephone: 415-972-3368
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010	Source: EPA Region 8
Date Data Arrived at EDR: 05/27/2010	Telephone: 303-312-6137
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/11/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/04/2010	Source: EPA Region 10
Date Data Arrived at EDR: 05/05/2010	Telephone: 206-553-2857
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/02/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/19/2010	Source: EPA Region 4
Date Data Arrived at EDR: 05/21/2010	Telephone: 404-562-9424
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Semi-Annually

### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010	Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010	Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/03/2010	Source: EPA Region 6
Date Data Arrived at EDR: 05/05/2010	Telephone: 214-665-7591
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FF TANKS: Federal Facilities Listing

A listing of federal facilities with storage tanks.

Date of Government Version: 07/09/2010  
Date Data Arrived at EDR: 07/12/2010  
Date Made Active in Reports: 07/30/2010  
Number of Days to Update: 18

Source: Department of Environmental Protection  
Telephone: 850-245-8250  
Last EDR Contact: 07/08/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Varies

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

### ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 07/07/2010  
Date Data Arrived at EDR: 07/13/2010  
Date Made Active in Reports: 07/30/2010  
Number of Days to Update: 17

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 07/12/2010  
Next Scheduled EDR Contact: 10/25/2010  
Data Release Frequency: Semi-Annually

### Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 07/07/2010  
Date Data Arrived at EDR: 07/13/2010  
Date Made Active in Reports: 07/30/2010  
Number of Days to Update: 17

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 07/12/2010  
Next Scheduled EDR Contact: 10/25/2010  
Data Release Frequency: Semi-Annually

## *State and tribal voluntary cleanup sites*

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 07/08/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Varies

### VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 06/01/2010  
Date Data Arrived at EDR: 06/01/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 17

Source: Department of Environmental Protection  
Telephone: 850-245-8705  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

### *State and tribal Brownfields sites*

#### BROWNFIELDS: Brownfield Areas

Brownfields are abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. Florida's Brownfields Redevelopment Act primary goals are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage voluntary cleanup and redevelopment of sites.

Date of Government Version: 07/12/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/14/2010	Telephone: 850-245-8927
Date Made Active in Reports: 07/30/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Semi-Annually

### ADDITIONAL ENVIRONMENTAL RECORDS

#### *Local Brownfield Lists*

#### US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2010	Telephone: 202-566-2777
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 06/25/2010
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/11/2010
	Data Release Frequency: Semi-Annually

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

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/28/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Varies

### SWRCY: Recycling Centers

A listing of recycling centers located in the state of Florida.

Date of Government Version: 10/19/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/23/2009	Telephone: 850-245-8718
Date Made Active in Reports: 10/27/2009	Last EDR Contact: 08/04/2010
Number of Days to Update: 4	Next Scheduled EDR Contact: 11/08/2010
	Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 09/07/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/18/2010	Telephone: 202-307-1000
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 03/08/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 09/20/2010
	Data Release Frequency: Quarterly

#### FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/09/1994	Telephone: 850-245-8705
Date Made Active in Reports: 08/04/1994	Last EDR Contact: 03/24/1994
Number of Days to Update: 87	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2010  
Date Data Arrived at EDR: 08/24/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 3

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 08/24/2010  
Next Scheduled EDR Contact: 12/06/2010  
Data Release Frequency: Varies

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 03/30/2009  
Number of Days to Update: 131

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

### Local Land Records

#### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010  
Date Data Arrived at EDR: 05/11/2010  
Date Made Active in Reports: 08/09/2010  
Number of Days to Update: 90

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Varies

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

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

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 09/08/2010  
Next Scheduled EDR Contact: 12/06/2010  
Data Release Frequency: Varies

### Records of Emergency Release Reports

#### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010  
Date Data Arrived at EDR: 04/07/2010  
Date Made Active in Reports: 05/27/2010  
Number of Days to Update: 50

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 07/09/2010  
Next Scheduled EDR Contact: 10/18/2010  
Data Release Frequency: Annually

#### SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 08/09/2010  
Date Data Arrived at EDR: 08/10/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 17

Source: Department of Environmental Protection  
Telephone: 850-488-2974  
Last EDR Contact: 08/02/2010  
Next Scheduled EDR Contact: 08/02/2010  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Other Ascertainable Records**

### **RCRA-NonGen: RCRA - Non Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (404) 562-8651
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 08/19/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

### **DOT OPS: Incident and Accident Data**

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

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 08/11/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Varies

### **DOD: Department of Defense Sites**

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/22/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/01/2010
	Data Release Frequency: Semi-Annually

### **FUDS: Formerly Used Defense Sites**

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 09/14/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

### **CONSENT: Superfund (CERCLA) Consent Decrees**

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/19/2010	Telephone: Varies
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 07/08/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/18/2010
	Data Release Frequency: Varies

### **ROD: Records Of Decision**

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

Date of Government Version: 06/01/2010	Source: EPA
Date Data Arrived at EDR: 06/16/2010	Telephone: 703-416-0223
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 09/01/2010
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Varies

### MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/07/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 08/30/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/20/2010
	Data Release Frequency: Semi-Annually

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 09/01/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/13/2010
	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: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/07/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/11/2010
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/30/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/13/2010
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/30/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	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: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 08/16/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/15/2010
	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: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 06/25/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/11/2010
	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: 02/01/2010	Source: EPA
Date Data Arrived at EDR: 04/22/2010	Telephone: 202-566-0500
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 07/30/2010
Number of Days to Update: 109	Next Scheduled EDR Contact: 11/01/2010
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 03/18/2010	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/06/2010	Telephone: 301-415-7169
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 51	Next Scheduled EDR Contact: 12/27/2010
	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: 07/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 08/09/2010	Last EDR Contact: 07/14/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/25/2010
	Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (404) 562-9900
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/27/2010
	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

### 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: 12/31/2007	Source: EPANTIS
Date Data Arrived at EDR: 02/25/2010	Telephone: 800-424-9346
Date Made Active in Reports: 05/12/2010	Last EDR Contact: 08/24/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/06/2010
	Data Release Frequency: Biennially

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### UIC: Underground Injection Wells Database Listing

A listing of Class I wells. Class I wells are used to inject hazardous waste, nonhazardous waste, or municipal waste below the lowermost USDW.

Date of Government Version: 08/16/2010  
Date Data Arrived at EDR: 08/17/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 10

Source: Department of Environmental Protection  
Telephone: 850-245-8655  
Last EDR Contact: 08/16/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Varies

### DRYCLEANERS: Drycleaning Facilities

The Drycleaners database, maintained by the Department of Environmental Protection, provides information about permitted dry cleaner facilities.

Date of Government Version: 07/06/2010  
Date Data Arrived at EDR: 08/03/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 24

Source: Department of Environmental Protection  
Telephone: 850-245-8927  
Last EDR Contact: 08/03/2010  
Next Scheduled EDR Contact: 11/15/2010  
Data Release Frequency: Semi-Annually

### DEDB: Ethylene Dibromide Database Results

Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 07/14/2010  
Date Data Arrived at EDR: 07/16/2010  
Date Made Active in Reports: 07/30/2010  
Number of Days to Update: 14

Source: Department of Environmental Protection  
Telephone: 850-245-8335  
Last EDR Contact: 07/16/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: Varies

### WASTEWATER: Wastewater Facility Regulation Database

Domestic and industrial wastewater facilities.

Date of Government Version: 08/02/2010  
Date Data Arrived at EDR: 08/17/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 10

Source: Department of Environmental Protection  
Telephone: 850-921-9495  
Last EDR Contact: 08/17/2010  
Next Scheduled EDR Contact: 11/29/2010  
Data Release Frequency: Quarterly

### AIRS: Permitted Facilities Listing

A listing of Air Resources Management permits.

Date of Government Version: 08/10/2010  
Date Data Arrived at EDR: 08/11/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 850-921-9558  
Last EDR Contact: 08/09/2010  
Next Scheduled EDR Contact: 11/22/2010  
Data Release Frequency: Varies

### FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 02/04/2005  
Date Data Arrived at EDR: 06/29/2007  
Date Made Active in Reports: 07/11/2007  
Number of Days to Update: 12

Source: Department of Environmental Protection  
Telephone: 850-488-3601  
Last EDR Contact: 07/19/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 09/28/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/08/2009	Telephone: 850-413-9970
Date Made Active in Reports: 10/27/2009	Last EDR Contact: 07/07/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/04/2010
	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: 07/22/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/01/2010
	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: 05/12/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/13/2010	Telephone: 615-532-8599
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 08/23/2010
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/08/2010
	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: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 08/10/2010
Number of Days to Update: 100	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Varies

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

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

Date of Government Version: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 09/15/2010
Number of Days to Update: 54	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

### FINANCIAL ASSURANCE: Financial Assurance Information Listing

A list of hazardous waste facilities required to provide financial assurance under RCRA.

Date of Government Version: 06/15/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/16/2010	Telephone: 850-245-8793
Date Made Active in Reports: 07/12/2010	Last EDR Contact: 08/23/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Varies

### COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 07/21/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Varies

## FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

A listing of financial assurance information for storage tanks sites.

Date of Government Version: 08/05/2010  
Date Data Arrived at EDR: 08/12/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 15

Source: Department of Environmental Protection  
Telephone: 850-245-8853  
Last EDR Contact: 08/12/2010  
Next Scheduled EDR Contact: 11/22/2010  
Data Release Frequency: Quarterly

## 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  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 07/22/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: N/A

## FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities.

Date of Government Version: 08/13/2010  
Date Data Arrived at EDR: 08/13/2010  
Date Made Active in Reports: 08/27/2010  
Number of Days to Update: 14

Source: Department of Environmental Protection  
Telephone: 850-245-8743  
Last EDR Contact: 08/09/2010  
Next Scheduled EDR Contact: 11/22/2010  
Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

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

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

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Historical Auto Stations: EDR Proprietary 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.

# 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: Varies

## EDR Historical Cleaners: EDR Proprietary 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.

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

## COUNTY RECORDS

### ALACHUA COUNTY:

#### Facility List

List of all regulated facilities in Alachua County.

Date of Government Version: 04/01/2010  
Date Data Arrived at EDR: 04/19/2010  
Date Made Active in Reports: 05/12/2010  
Number of Days to Update: 23

Source: Alachua County Environmental Protection Department  
Telephone: 352-264-6800  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Annually

### BROWARD COUNTY:

#### Aboveground Storage Tanks

Aboveground storage tank locations in Broward County.

Date of Government Version: 03/18/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/28/2010  
Number of Days to Update: 20

Source: Broward County Environmental Protection Department  
Telephone: 954-818-7509  
Last EDR Contact: 09/08/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Varies

#### Underground Storage Tanks

All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/23/2010  
Number of Days to Update: 15

Source: Broward County Environmental Protection Department  
Telephone: 954-818-7509  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Annually

### MIAMI-DADE COUNTY:

#### Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Grease Trap Sites

Any non-residential facility that discharges waste to a sanitary sewer.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Dade County Dept. of Env. Resources Mgmt.  
Telephone: 305-372-6508  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Marine Facilities Operating Permit

What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: DERM  
Telephone: 305-372-3576  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Quarterly

### Miami River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: DERM  
Telephone: 305-372-3576  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Quarterly

### Hazardous Waste Sites

Sites with the potential to generate waste

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Dade County Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Industrial Waste Type 2-4 Sites

IW2s are facilities having reclaim or recycling systems with no discharges, aboveground holding tanks or spill prevention and countermeasure plans. IW4s are facilities that discharge an effluent to the ground.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6700  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Industrial Waste Type 5 Sites

Generally these facilities fall under the category of "conditionally exempt small quantity generator" or "small quantity generator".

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6700  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Industrial Waste Type 6

Permits issued to those non-residential land uses located within the major drinking water wellfield protection areas that are not served by sanitary sewers. These facilities do not handle hazardous materials but are regulated because of the env. sensitivity of the areas where they are located.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6700  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6700  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/18/2010  
Number of Days to Update: 10

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 01/08/2009  
Date Data Arrived at EDR: 01/13/2009  
Date Made Active in Reports: 02/05/2009  
Number of Days to Update: 23

Source: Department of Environmental Resources Management  
Telephone: 305-372-6755  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### Underground Storage Tanks

The facility has on-site underground storage tanks which stores petroleum product.

Date of Government Version: 06/07/2010  
Date Data Arrived at EDR: 06/08/2010  
Date Made Active in Reports: 06/23/2010  
Number of Days to Update: 15

Source: Department of Environmental Resource Management  
Telephone: 305-372-6700  
Last EDR Contact: 09/09/2010  
Next Scheduled EDR Contact: 12/20/2010  
Data Release Frequency: Semi-Annually

### 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.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/26/2009  
Date Made Active in Reports: 09/11/2009  
Number of Days to Update: 16

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/25/2010  
Next Scheduled EDR Contact: 12/06/2010  
Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/22/2010  
Date Made Active in Reports: 08/26/2010  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/22/2010  
Next Scheduled EDR Contact: 11/01/2010  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2010  
Date Data Arrived at EDR: 05/13/2010  
Date Made Active in Reports: 06/21/2010  
Number of Days to Update: 39

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/11/2010  
Next Scheduled EDR Contact: 11/22/2010  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2008  
Date Data Arrived at EDR: 12/01/2009  
Date Made Active in Reports: 12/14/2009  
Number of Days to Update: 13

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 08/23/2010  
Next Scheduled EDR Contact: 12/06/2010  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/19/2010  
Date Made Active in Reports: 08/26/2010  
Number of Days to Update: 38

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/30/2010  
Next Scheduled EDR Contact: 12/13/2010  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 07/06/2010  
Date Made Active in Reports: 07/26/2010  
Number of Days to Update: 20

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/21/2010  
Next Scheduled EDR Contact: 10/04/2010  
Data Release Frequency: Annually

**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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Daycare Centers: Department of Children & Families

Source: Provider Information

Telephone: 850-488-4900

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

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**Proposed Florida Institute of Technology Annex**

**4400 Dixie Highway NE**

**Palm Bay, FL 32905**

**Inquiry Number: 2871730.2**

**September 16, 2010**

**Certified Sanborn® Map Report**

## Certified Sanborn® Map Report

9/16/10

**Site Name:** Proposed Florida Institute of  
4400 Dixie Highway NE  
Palm Bay, FL 32905

**Client Name:** Universal Engineering Sciences  
820 Brevard Avenue  
Rockledge, FL 32955

**EDR Inquiry #** 2871730.2      **Contact:** Charles R. Sabas



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### Certified Sanborn Results:

**Site Name:** Proposed Florida Institute of Technology  
**Address:** 4400 Dixie Highway NE  
**City, State, Zip:** Palm Bay, FL 32905  
**Cross Street:**  
**P.O. #** NA  
**Project:** Environmental Site Assessment  
**Certification #** 7D15-4D29-8C41



Sanborn® Library search results  
Certification # 7D15-4D29-8C41

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- Library of Congress
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# **Appendix E**

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JUL 20 2010

BREVARD COUNTY  
NATURAL RESOURCES MGT.

**SECOND SEMI-ANNUAL NATURAL ATTENUATION MONITORING REPORT  
AND  
SITE REHABILITATION COMPLETION REPORT  
WITH A NO FURTHER ACTION PROPOSAL  
PALM BAY MARINA  
4350 DIXIE HIGHWAY NE  
PALM BAY, FLORIDA**

Entered STCM

JUL 20 2010

Report: *NA Semi*

FDEP FACILITY NUMBER 8841462

**PREPARED FOR  
THE BREVARD COUNTY  
NATURAL RESOURCES MANAGEMENT OFFICE  
AND  
THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

JULY 15, 2010

**BY  
ECO SERVICES AND SOLUTIONS, INC.  
CERTIFICATE OF AUTHORIZATION NO. 27119**

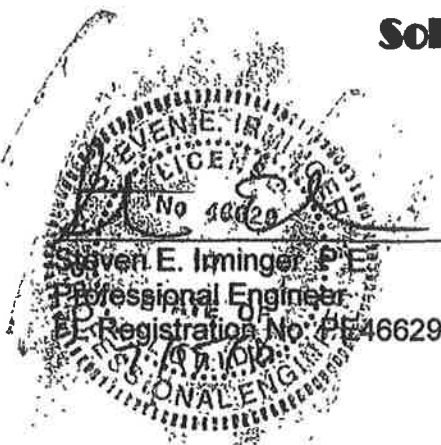
**4965 EGRET COURT  
COCONUT CREEK, FLORIDA 33073  
(954) 536-9353**

**ECO Services  
and  
Solutions, Inc.**



**Steven E. Iminger, P.E.  
Professional Engineer  
Registration No. PE 46629**

*Jennifer Loschak*  
\_\_\_\_\_  
Jennifer Loschak  
Project Manager/President



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Laboratory Reports of Analysis for Groundwater (June 17, 2010)



## **1.0 Introduction**

The following is the Second Semi-Annual Natural Attenuation Monitoring (NAM) Report and Site Rehabilitation Completion Report (SRCR) with a No Further Action Proposal completed by ECO Services and Solutions, Inc. (ECO) for the Palm Bay Marina located at 4350 Dixie Highway NE, Palm Bay, Florida (the Site). The Site is identified by the Florida Department of Environmental Protection (FDEP) as FDEP Facility Number 8841462. This report has been prepared in general accordance with those requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.).

On November 5, 2009, the Brevard County Natural Resources Management Office (NRMO) issued correspondence concurring with ECO's recommendation to perform semi-annual NAM. The FDEP issued a NAM Plan Approval dated November 12, 2009, based on the recommendations provided by the NRMO. The First Semi-Annual NAM Report was completed on March 10, 2010. On April 16, 2010, the NRMO issued correspondence approving the Semi-Annual NAM Report. The NRMO correspondence, dated November 5, 2009, the FDEP NAM Plan Approval, dated November 12, 2009, and the NRMO correspondence, dated April 16, 2010 and are included in **Appendix A**.

### **1.1 Site Location and Description**

The Site is an active marina which previously sold gasoline. The Site is located at 4350 Dixie Highway NE, Palm Bay, Florida and is situated on the west side of Dixie Highway and south of Turkey Creek. **Figure 1** depicts the Site location on a topographic map. According to the contour lines on the topographic map, the Site appears relatively flat and is located at approximately five feet above mean sea level. The contour lines in the area of the Site indicate the northern portion of the Site is sloping gently to the west. **Figure 2** depicts the Site location on an aerial photograph.

The northern portion of the Site was formerly equipped with a storage and dispensing system for fueling boats with a 4,000-gallon underground storage tank (UST) and with one dispenser. The dispenser was located to the south of the boat ramp along the water line. The Site layout depicting pertinent structures of the Site and the former locations of the UST and the dispenser is included as **Figure 3**.

### **1.2 Storage Tank System Closure Assessment Report Summary**

According to a Storage Tank System Closure Assessment Report (STSCAR) prepared by Daley Environmental Services, Inc. (DES), the 4,000-gallon UST and dispenser were removed from the Site by WJS Contracting. The environmental field investigation was completed by DES personnel on May 29, 2008. The STSCAR notes no noticeable deterioration of the UST or obvious breaches in the integrity of the UST were observed. DES personnel screened soil samples as the excavation progressed. The samples were collected from the perimeter and interior of the UST excavation. The groundwater was encountered at a depth of two feet. A total of twelve soil samples were collected

from the excavation for field screening between the surface to two feet below land surface (BLS). In addition, three soil samples were collected at the dispenser location from a soil boring. According to the STSCAR prepared by DES, petroleum odors were not noted in the samples collected.

The soil screening data indicated field readings between 1 part per million (ppm) and 17 ppm. Soil samples were collected for laboratory analysis from the soil sample reading 17 ppm. Collected samples were placed on ice and delivered to Florida Spectrum Environmental Services laboratory in Ft. Lauderdale for analysis of volatile organic aromatics by EPA Method 8021B, of polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8310, and of petroleum residual organics by Florida Method FL-PRO. The laboratory analysis of the soil sample reading 17 ppm reported concentrations to be below laboratory detection limits and/or below the applicable soil cleanup target levels based on leachability and groundwater criteria (LSCTLs).

According to the STSCAR, DES personnel collected groundwater samples for laboratory analysis from a temporary monitor well installed in the base of the excavation on May 29, 2008. Collected samples were placed on ice and delivered to Florida Spectrum Environmental Services laboratory for analysis of volatile organic aromatics by EPA Method 8021B and of PAHs by EPA Method 8310. Based on the laboratory analytical report, concentrations of benzene, ethylbenzene, toluene, and total xylenes (BTEX) in water samples collected from the temporary monitor well exceeded the applicable natural attenuation default concentration levels (NADCLs) and groundwater cleanup target levels (GCTLs) as set forth under the provision of 62-777, F.A.C. The groundwater sampling results are summarized in **Table 2**.

The STSCAR recommended a site assessment in order to assess the petroleum impacts to the soil and groundwater at the Site. The following summarizes additional soil and groundwater assessment activities conducted at the Site by ECO.

### **1.3 Limited Site Assessment Report Summary**

On February 13, 2009, and February 19, 2009, ECO supervised the installation of soil borings SB-1, MW-1, MW-2, SB-3, and SB-4. Soil boring locations are depicted on **Figure 3**. Soil samples were collected from soil borings SB-1, MW-1, MW-2, SB-3, and SB-4 at one-foot intervals (starting at approximately one foot) to approximately one foot into the water table using a post-hole digger. Each soil sample was screened using an OVA-FID per Chapter 62-770.200(8) FAC. **Figure 3** depicts the highest OVA-FID reading obtained from each soil boring and the depth from which the highest reading was obtained. Select soil samples were collected for laboratory analysis in general accordance with the FDEP Soil Assessment and Sampling Methods Standard Operating Procedures revised October 1, 2001. Collected samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX, PAHs, and FL-PRO.

Soil boring MW-2 was installed in the former gasoline dispenser location. Soil samples collected from soil boring location MW-2 read >1,000 ppm; therefore, soil samples were collected for laboratory analysis from this location. Concentrations of BTEX and methyl tertiary butyl ether (MTBE) above the LSCTLs but below the SCTLs based on direct exposure residential criteria were detected in soil samples collected from soil boring MW-2 at two feet below land surface. Soil borings SB-3 and SB-4 were installed to delineate the horizontal extent of the impacted soil surrounding soil boring location MW-2. Soil samples were collected for analysis from soil boring SB-4 at two feet BLS reading one ppm, which verified the horizontal extent of the impacted soil had been delineated. Concentrations of the analyzed parameters, in soil samples collected from soil boring SB-4 at two feet BLS on February 19, 2009, were reported to be below laboratory detection limits and/or below the applicable LSCTLs. The horizontal extent of impacted soil in the vicinity of soil boring location MW-2 has been delineated by the soil assessment activities conducted on February 19, 2009.

Soil boring SB-1 and MW-1 were installed in the former UST location. A soil sample collected from SB-1 read >1,000 ppm. In order to verify the STSCAR results that soil in the former UST location was not impacted with hydrocarbons, soil samples were collected for analysis from soil boring SB-5 (installed in between soil boring locations SB-1 and MW-1) at one foot BLS. Concentrations of the analyzed parameters, in soil samples collected from soil boring SB-5 on February 19, 2009, were reported to be below laboratory detection limits and/or below the applicable LSCTLs.

Comments included in the NRMO correspondence, dated June 23, 2009, indicated additional soil borings including soil laboratory analysis were required to define the area north, east and west of soil boring SB-1. However, during a telephone conversation conducted between Ms. Jennifer Loschak of ECO and Ms. Maryann T. Civil of the NRMO on July 15, 2009, it was agreed that additional soil assessment activities were not required within the former UST location based on the following arguments. Previous soil assessment activities (including field screening and laboratory analysis), conducted on May 29, 2008 by DES during the UST removal operations demonstrated that soil samples collected from the excavation contained concentrations below laboratory detection limits and/or below the LSCTLs. Also, the soil currently in the vadose zone is most likely clean fill that was brought to the Site to fill the void created by the removal of the UST. Additional soil samples collected on February 19, 2009, by ECO confirmed the soil in this area contained concentrations below laboratory detection limits and/or below the LSCTLs. Finally, a groundwater sample collected within two feet of SB-1 (from monitor well MW-1) on February 20, 2009, contained concentrations reported to be below laboratory detection limits and/or below the applicable GCTLs.

On February 19, 2009, ECO personnel also supervised the proper installation of monitor wells MW-1 and MW-2 by the hollow stem auger technique. **Figure 3** shows the location of monitor wells MW-1 and MW-2 on the Site Map. On February 20, 2009, DTW measurements were collected from the top of casing at monitor wells MW-1 and MW-2. The DTW from the top of each well casing was recorded using an electronic

interface probe capable of distinguishing liquid phase hydrocarbons (LPH) from water. No LPH were detected from monitor wells MW-1 and MW-2 on February 20, 2009. Fluid level measurements are summarized in **Table 1**.

Groundwater samples were collected from monitor wells MW-1 and MW-2 on February 20, 2009. Groundwater samples were collected in general accordance with the FDEP Groundwater Sampling Standard Operating Procedures, revised February 1, 2004. Collected samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX, PAHs, and FL-PRO. The concentration of total xylenes reported in samples collected from monitor well MW-2 was reported to be above the GCTLs but below NADCLs. Concentrations of the remaining analyzed parameters in groundwater samples collected from monitor wells MW-1 and MW-2 on February 20, 2009, were reported to be below laboratory detection limits and/or below the applicable GCTLs. Analytical data for groundwater samples collected on February 20, 2009 and during previous sampling events are summarized in **Table 2**.

ECO recommended removing and properly disposing of the impacted soil surrounding monitor well MW-2, because concentrations of BTEX and MTBE in soil samples collected from this location were reported to be above the LSCTLs. The NRMO correspondence, dated June 23, 2009, concurred with the recommendation to perform a soil source removal in the area of monitor well MW-2.

#### **1.4 Source Removal Activities**

On August 11, 2009, source removal activities proceeded under the direct supervision of ECO personnel. Prior to beginning source removal activities, a DTW measurement of 2.24 feet below land surface was collected from the top of casing at monitor well MW-2 using an electronic interface probe capable of distinguishing LPH from water. No LPH were detected from monitor well MW-2 on August 11, 2009. The native soil surrounding the monitor well was removed and placed within a dumpster provided by Waste Management. The area of the excavation was approximately seven and a half feet by four feet. The extent of the excavation is shown on **Figure 3**. The depth of the excavation was approximately three feet BLS. Approximately, 5.08 tons of impacted soil was placed in the dumpster for disposal. At the conclusion of the excavation activities, the dumpster was transported to the Brevard County Central Landfill located at 2250 Adams Road, Cocoa, Florida.

ECO collected confirmatory soil samples from the north, east, west, and south walls of the excavation area approximately one and a half feet BLS for field screening. None of the samples had OVA-FID readings greater than 1 part per million. Confirmatory soil samples were also collected for laboratory analysis from the north, east, west, and south walls of the excavation area approximately one and a half feet BLS. Because the bottom of the excavation was filled with groundwater, confirmatory soil samples were not collected for laboratory analysis from the bottom of the excavation. Collected

samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX and MTBE. Concentrations of the analyzed parameters, in soil samples collected from the excavation on August 11, 2009, were reported to be below laboratory detection limits and below the LSCTLs. After the source removal activities were complete, clean fill was placed within the excavation. In addition, the monitor well sand filter pack, the sand filter pack seal, the well pad/vault and the concrete seal were replaced.

Because the source removal activities, completed on August 11, 2009, remediated the impacted soil surrounding monitor well MW-2, ECO recommended allowing the impacted groundwater at the Site to naturally attenuate. On November 12, 2009, the FDEP issued a Natural Attenuation Plan Approval. According to the approval letter, monitor wells MW-1 and MW-2 must be sampled and analyzed for BTEX and MTBE on a semi-annual basis. On November 5, 2009, the NRMO issued correspondence stating that groundwater samples from monitor well MW-2 must also be analyzed for 1,2-dibromoethane (EDB) and total lead during the first sampling event.

The first semi-annual groundwater sampling event was conducted on January 15, 2010. DTW measurements were collected from the top of casing at monitor wells MW-1 and MW-2. The DTW from the top of each well casing was recorded using an electronic interface probe capable of distinguishing LPH from water. No LPH were detected from monitor wells MW-1 and MW-2 on January 15, 2010. Fluid level measurements are summarized in **Table 1**. Groundwater samples were collected from monitor wells MW-1 and MW-2 on January 15, 2010. Groundwater samples were collected in general accordance with the FDEP Groundwater Sampling Standard Operating Procedures, revised February 1, 2004. Collected samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX plus MTBE by EPA Method 8260B. The groundwater samples collected from monitor well MW-2 were also analyzed for EDB and total lead. Concentrations of the analyzed parameters in groundwater samples collected from monitor wells MW-1 and MW-2 on January 15, 2010, were reported to be below laboratory detection limits and/or below the applicable GCTLs. Analytical data for groundwater samples collected on January 15, 2010 and during previous sampling events are summarized in **Table 2**.

The following summarizes the groundwater assessment activities conducted at the Site by ECO during the second semi-annual groundwater sampling event.

## **2.0 Fluid Level Measurements**

DTW measurements were collected from the top of casing at monitor wells MW-1 and MW-2 on June 17, 2010. The DTW from the top of each well casing was recorded using an electronic interface probe capable of distinguishing LPH from water. No LPH were detected from monitor wells MW-1 and MW-2 on June 17, 2010. Fluid level measurements are summarized in **Table 1**. Groundwater Sampling Logs, including liquid levels recorded on June 17, 2010, are included in **Appendix B**.

### **3.0 Groundwater Quality Monitoring**

Groundwater samples were collected from monitor wells MW-1 and MW-2 on June 17, 2010. Groundwater samples were collected in general accordance with the FDEP Groundwater Sampling Standard Operating Procedures, revised February 1, 2004. Collected samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX plus MTBE by EPA Method 8260B.

Concentrations of the analyzed parameters in groundwater samples collected from monitor wells MW-1 and MW-2 on June 17, 2010, were reported to be below laboratory detection limits and below the applicable GCTLs. Analytical data for groundwater samples collected on June 17, 2010 and during previous sampling events are summarized in **Table 2**. Groundwater Sampling Logs and instrument calibration forms are presented in **Appendix B**. Copies of the chain-of-custody documentation and laboratory reports of analysis for the June 17, 2010, sampling event are included in **Appendix C**.

### **4.0 Conclusions**

Groundwater samples were collected from monitor wells MW-1 and MW-2 on June 17, 2010. Collected samples were placed on ice and delivered to Jupiter Environmental Laboratories, Inc. for analysis of BTEX plus MTBE by EPA Method 8260B. Concentrations of the analyzed parameters in groundwater samples collected from monitor wells MW-1 and MW-2 on January 15, 2010, were reported to be below laboratory detection limits and below the applicable GCTLs.

### **5.0 Recommendations**

Based on the two semi-annual groundwater sampling events and the soil verification sampling conducted on February 19, 2009 and August 11, 2009, site rehabilitation for the Site is complete. ECO recommends a Site Rehabilitation Completion Order with No Further Action without controls.

**PROFESSIONAL ENGINEER CERTIFICATION**

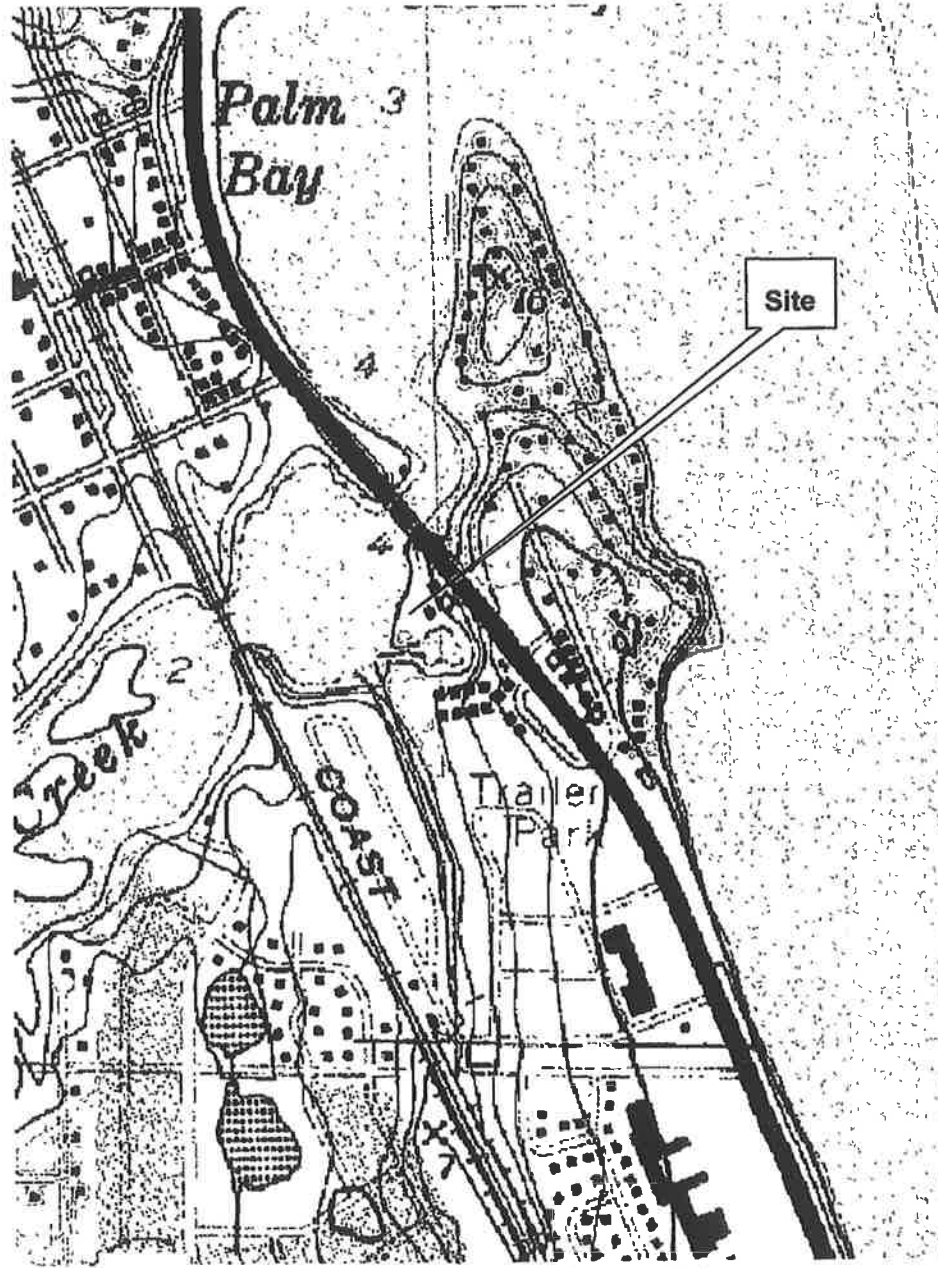
I, Steven E. Irminger, P.E. Registration No. PE46629 certify that I currently hold an active license in the state of Florida and am competent through education and experience to provide the engineering service contained in this report. I further certify that in my professional judgment this report meets the requirements of 62-770 F.A.C. and was prepared by myself or under my responsible charge.



Steven E. Irminger, P.E.  
Professional Engineer  
FL Registration No. PE46629  
ECO Services and Solutions, Inc.  
Certificate of Authorization No. 27119

7/15/10

Date



Scale 0' 200M 0' 200yd

**FIGURE 1 – TOPOGRAPHIC MAP**

Source USGS 7 1/2 Minute Topographic Map Palm Bay, Florida, United States Quadrangle dated 7/1/1977 and photorevised in 7/1/1980

**N↑**

ECO Services and Solutions, Inc.



**Site Name: Palm Bay Marina  
4350 Dixie Highway NE  
Palm Bay, FL**

**DEP Facility: 8841462**





**FIGURE 2 – AERIAL MAP**

**NOT TO SCALE**

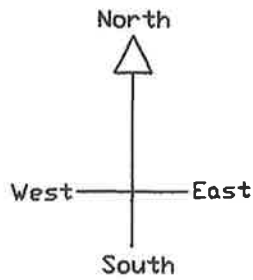
**N↑**

**ECO Services and Solutions, Inc.**



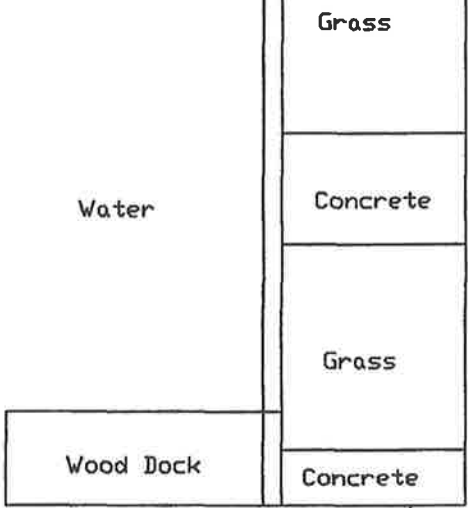
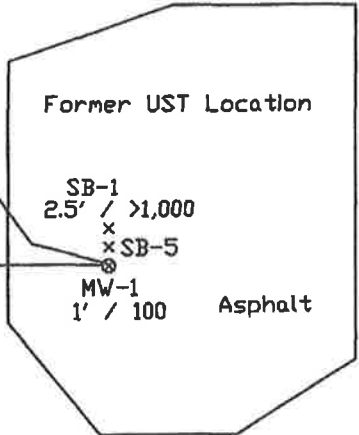
**Site Name: Palm Bay Marina  
4350 Dixie Highway NE  
Palm Bay, FL**

**DEP Facility: 8841462**



6/17/10  
 MW-1  
 <1.00  
 <1.00  
 <1.00  
 <3.00  
 <1.00  
 1.33

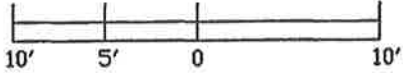
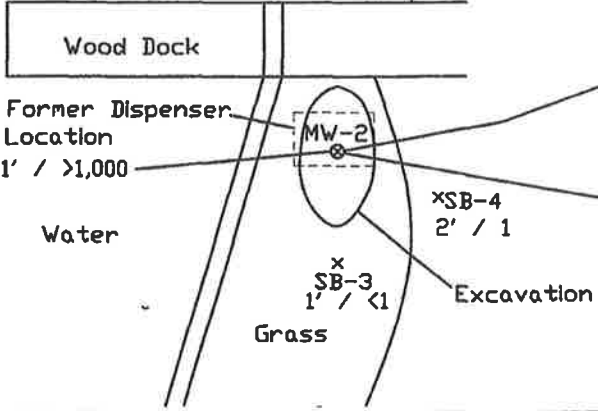
1/15/10  
 MW-1  
 <1.00  
 <1.00  
 <1.00  
 <3.00  
 <1.00  
 1.34



**Legend**  
 MW-2  $\oplus$  Soil Boring / Monitor Well Location  
 SB-3  $\times$  Soil Boring Location  
 2.5' / >1,000 = Depth / Highest OVA Reading  
 OVA-FID Reading in ppm  
 ppm = parts per million  
 6/17/10 = DATE  
 MW-2 = MONITOR WELL  
 <1.00 = BENZENE, ug/L  
 <1.00 = TOLUENE, ug/L  
 4.40 = ETHYLBENZENE, ug/L  
 4.86 = TOTAL XYLENES, ug/L  
 <1.00 = MTBE, ug/L  
 1.18 = Depth to Water (feet)

6/17/10  
 MW-2  
 <1.00  
 <1.00  
 <1.00  
 <3.00  
 <1.00  
 2.18

1/15/10  
 MW-2  
 <1.00  
 <1.00  
 4.40  
 4.86  
 <1.00  
 1.18



### TABLE 1: GROUNDWATER ELEVATION TABLE

Facility Name: Palm Bay Marina

Facility ID#: 8841462

NI = Not Installed  
NR = Not Recorded  
NM = Not Measured

All Measurements = Feet  
No Data = Blank

WELL NO.	MW-1	MW-2				
DIAMETER	2"	2"				
WELL DEPTH	11.46	10.97				
SCREEN INTERVAL	1.46 to 11.46	0.97 to 10.97				
TOC ELEVATION	NV	NM				

DATE	ELEV	DTW	FP	ELEV	DTW	FP											
2/20/2009	---	1.85	0.00	---	1.37	0.00											
8/11/2009	---	---	---	---	2.24	0.00											
1/15/2010	---	1.34	0.00	---	1.18	0.00											
6/17/2010	---	1.33	0.00	---	2.18	0.00											

**TABLE 2: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY**

Facility Name: Palm Bay Marina

8841462

Not Sampled = NS

Analytical Results = ppb

Sample Location	Sample Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Naphthalene	1-Methyl Naphthalene	2-Methyl Naphthalene	Ace Naph-thene	Fluor an thene	Fluor ene	Phen an threne	Pyrene	TRPHs Total (C8-C40)	1,2-Dibromo-ethane	Lead
GCTL		1	40	30	20	20	14	28	28	20	280	280	210	210	5000	0.02	15
NADCL		100	400	300	200	200	140	280	280	200	2800	2800	2100	2100	50000	2	150
PQGCTL		10	400	300	200	200	140	280	280	200	2800	2800	2100	2100	50000	0.2	150
Excavation	5/29/2008	382	2780	608	1981	<10.00	12.2	4.84	7.20	0.081	0.097	0.166	0.170	<0.010	NT	---	---
MW-1	2/20/2009	<1.00	<1.00	<2.00	<3.00	<1.00	0.094	0.016 <i>i</i>	0.026	0.014 <i>i</i>	0.031	0.014 <i>i</i>	0.062	0.023 <i>i</i>	<80.0	---	---
	1/15/2010	<1.00	<1.00	<1.00	<3.00	<1.00	---	---	---	---	---	---	---	---	---	---	---
	6/17/2010	<1.00	<1.00	<1.00	<3.00	<1.00	---	---	---	---	---	---	---	---	---	---	---
MW-2	2/20/2009	0.700 <i>i</i>	0.910 <i>i</i>	<1.00	168	<1.00	0.567	0.188	0.172	<0.017	<0.020	<0.022	<0.020	<0.028	326	---	---
	1/15/2010	<1.00	<1.00	4.40	4.86	<1.00	---	---	---	---	---	---	---	---	---	<0.020	<2.0
	6/17/2010	<1.00	<1.00	<1.00	<3.00	<1.00	---	---	---	---	---	---	---	---	---	---	---

GCTL = Groundwater Cleanup Target Levels for Petroleum Products's Contaminants of Concern (from Chapter 62-777, F.A.C (effective April 17, 2005))

NADCL = Natural Attenuation Default Concentrations (from Chapter 62-777, F.A.C (effective April 17, 2005))

PQGCTL = Groundwater of Poor Quality Cleanup Target Levels for Petroleum Products's Contaminants of Concern (from Chapter 62-777, F.A.C (effective April 17, 2005))

*i* = A value flagged with an "i" indicates that the reported value was estimated because concentrations were detected between the method detection limit and the practical quantitation limit.

NT = Not Tested



**NATURAL RESOURCES MANAGEMENT OFFICE**

2725 Judge Fran Jamieson Way, Building A-219, Viera, Florida 32940

November 5, 2009

Jennifer Loschak  
Project Manager  
ECO Services and Solutions, Inc.  
4965 Egret Court  
Coconut Creek, FL 33073

Subject: Source Removal and Limited Site Assessment Report Addendum Approval  
Palm Bay Marina  
4350 Dixie Highway NE  
Palm Bay, Brevard County  
FDEP Facility ID# 058841462  
Discharge Date: 6/24/2008

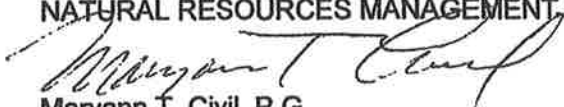
Dear Ms. Loschak:

The Brevard County Natural Resources Management Office (NRMO), on behalf of the Florida Department of Environmental Protection (FDEP), has reviewed the above referenced report submitted for the discharge discovered on June 24, 2008 at this facility. We found all the documents submitted to date to be adequate to meet the source removal and site assessment requirements of Rule 62-770.300 and 62-770.600, Florida Administrative Code (F.A.C.). NRMO concurs with ECO's recommendation to perform semi-annual Natural Attenuation Monitoring (NAM). A formal NAM Approval Order will be forwarded to the FDEP for signature and final approval. Please note, as required by Chapter 62-770, Table B, well MW-2 must be analyzed for 1, 2-dibromoethane (EDB) and Total Lead during the first semi-annual sampling event.

Pursuant to Chapter 62-770.220(1) F.A.C. persons responsible for conducting field activities are required to notify the local program site manager in writing (fax or email preferred) at least three (3) days prior to field activities. If you have any questions concerning this review, please contact me or Mr. Douglas Divers, the local program manager, at (321) 633-2017 or at the letterhead address.

Sincerely,

NATURAL RESOURCES MANAGEMENT OFFICE

  
Maryann T. Civil, P.G.  
Professional Geologist  
[maryann.civil@brevardcounty.us](mailto:maryann.civil@brevardcounty.us)

 PDD, P. Douglas Divers, Local Program Manager

cc: Grace Rivera, FDEP – BPSS (Team 2)  
Ms. Fran Green, Palm Bay Marina, 4350 Dixie Highway, Palm Bay, FL 32905

File  
Main Line (321) 633-2016 • Remediation & Compliance (321) 633-2017 • Stormwater (321) 633-2014  
Fax (321) 633-2029 • [natres.brevardcounty.us](http://natres.brevardcounty.us)



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

November 12, 2009

**CERTIFIED MAIL #7004 2510 0006 2438 9766**  
**RETURN RECEIPT REQUESTED**

Ms. Fran Green  
Palm Bay Marina  
4350 Dixie Highway  
Palm Bay, FL 32905

Subject: Site Assessment Report Addendum and Natural Attenuation Plan Approval  
Palm Bay Marina  
4350 Dixie Highway NE  
Palm Bay, Brevard County  
FDEP Facility ID# 058841462  
Discharge Date: June 24, 2008 (Non-Program)

Dear Ms. Green:

The Brevard County Natural Resources Management Office (NRMO), on behalf of the Florida Department of Environmental Protection (Department), has reviewed the Site Assessment Report Addendum (SARA) and Natural Attenuation Monitoring (NAM) Plan dated September 18, 2009 (received September 23, 2009) submitted for the petroleum product discharge referenced above. Pursuant to Paragraph(s) 62-770.600(9)(a) and 62-770.690(5)(a), Florida Administrative Code (F.A.C.), Brevard County NRMO approves the SARA / NAM Plan. Pursuant to Subsection 62-770.690(8), F.A.C., you are required to complete the monitoring program outlined below. The first sampling event must be performed within 60 days of receipt of this Natural Attenuation Monitoring Plan Approval Order (Order). Water-level measurements must be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody record form, cumulative summary tables as required by Subparagraph 62-770.600(8)(a)25., F.A.C. (updated as applicable), site map(s) that illustrate the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), must be submitted to Brevard County NRMO within 60 days of sample collection.

The monitoring wells to be sampled, the sampling parameters, and the sampling frequency for the first year are as follows:

<u>Monitoring Wells</u>	<u>Contaminants of Concern</u>	<u>Frequency</u>
MW-1 and MW-2	BTEX and MTBE	Semi-Annual

The approved Remedial Action by Natural Attenuation monitoring period is for one year. The sampling frequency will be evaluated following the submittal of the first annual report to determine whether semiannual or annual sampling may be appropriate.

"More Protection, Less Process"  
[www.dep.state.fl.us/waste/categories/ppc/default.htm](http://www.dep.state.fl.us/waste/categories/ppc/default.htm)

Ms. Fran Green  
FDEP Facility ID# 058841462.  
November 12, 2009  
Page two

If concentrations of contaminants of concern in any of the designated wells increase above the action levels listed below, the well or wells must be resampled no later than 30 days after the initial positive results are known. If the results of the resampling confirm the initial sampling results, then the monitoring report referenced in Paragraph 62-770.690(8)(d), F.A.C., must be signed and sealed by an appropriate registered professional pursuant to Rule 62-770.490, F.A.C., and must include a recommendation as described in Paragraph 62-770.690(8)(e), F.A.C.

Source well:

MW-2: 100 µg/L Benzene; 300 µg/L Ethylbenzene; 400 µg/L Toluene; 200 µg/L Total Xylenes; 200 µg/L MTBE.

Perimeter well(s) (temporary point of compliance):

MW-1: 1 µg/L Benzene; 30 µg/L Ethylbenzene; 40 µg/L Toluene; 20 µg/L Total Xylenes; 20 µg/L MTBE.

If the applicable No Further Action criteria of Rule 62-770.680, F.A.C., are met for two consecutive sampling events, a Site Rehabilitation Completion Report with a No Further Action Proposal, that summarizes the monitoring program and contains documentation to support the opinion that the cleanup objectives have been achieved, must be submitted to Brevard County NRMO as required in Subsection 62-770.690(10), F.A.C. If the applicable No Further Action criteria of Rule 62-770.680, F.A.C., are not met following one year of monitoring, then the monitoring report must include a recommendation as described in Paragraph 62-770.690(8)(f), F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the Site Assessment Report and Addendum you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
  - (1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or
  - (2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Ms. Fran Green  
FDEP Facility ID# 058841462  
November 12, 2009  
Page three

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to Subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Palm Bay Marina, shall mail a copy of the request to Palm Bay Marina at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Palm Bay Marina shall mail a copy of the petition to Palm Bay Marina at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S. and Rule 28-108.201, F.A.C., a petition for an administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.



Ms. Fran Green  
FDEP Facility ID# 058841462  
November 12, 2009  
Page four

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

#### Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

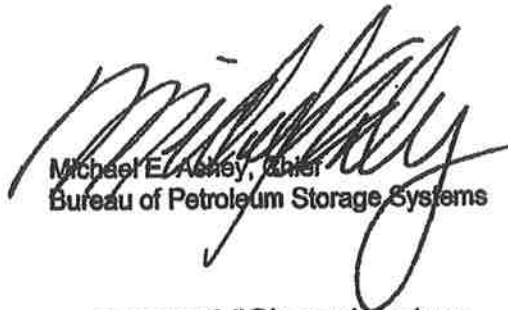
#### Questions

Any questions regarding Brevard County NRMO's review of your Site Assessment Report Addendum should be directed to Maryann T. Civil, P.G. at (321) 633-2017. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Ms. Fran Green  
FDEP Facility ID# 058841462  
November 12, 2009  
Page five

The FDEP Facility Number for this facility is 058841462. Please use this identification on all future correspondence with the Department or Brevard County NRMO.

Sincerely,



Michael E. Ashley, Chief  
Bureau of Petroleum Storage Systems

MEA/mtc

ec: Maryann T. Civil, Brevard County NRMO - maryann.civil@brevardcounty.us  
Jennifer Loschak - jloschak@bellsouth.net  
cc: File

**FILING AND ACKNOWLEDGMENT**  
FILED, on this date, pursuant to  
§120.52 Florida Statutes, with the  
designated Department Clerk, receipt  
of which is hereby acknowledged.

  
Clerk  
(or Deputy Clerk)

  
Date

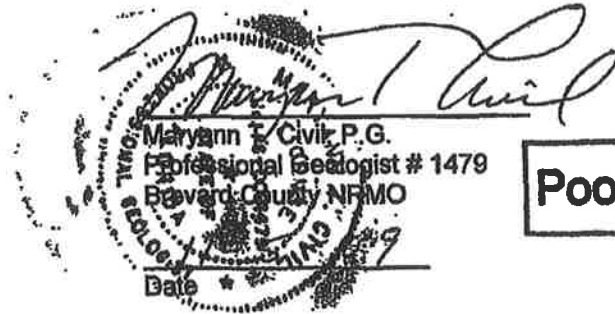
P.E. CERTIFICATION

Natural Attenuation Monitoring Plan dated September 18, 2009 (received September 23, 2009), for Palm Bay Marina located at 4350 Dixie Highway NE, Palm Bay, Brevard County, FDEP Facility ID# 058841462.

I hereby certify that in my professional judgment, the components of this Natural Attenuation Monitoring Plan prepared for the 6/24/08 petroleum product discharge discovered at the above-referenced facility satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.). The wells selected for the natural attenuation monitoring period are representative of the previous area of contamination and should provide adequate verification of cleanup progress by natural attenuation.

I personally completed this review.

This review was conducted by \_\_\_\_\_ working under my direct supervision.



Poor Original

# BREVARD County

BOARD OF COUNTY COMMISSIONERS

SCAN COPY

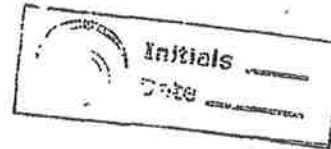
FLORIDA'S SPACE COAST



NATURAL RESOURCES MANAGEMENT OFFICE  
2725 Judge Fran Jamieson Way, Building A-219, Viera, Florida 32940

April 16, 2010

Jennifer Loschak  
Project Manager/President  
ECO Services and Solutions, Inc.  
4965 Egret Court  
Coconut Creek, FL 33073



Subject: Semi-Annual Natural Attenuation Monitoring Report Approval  
Palm Bay Marina  
4350 Dixie Highway NE  
Palm Bay, Brevard County  
FDEP Facility ID# 058841462  
Discharge Date: 6/24/2008 (Non Program)

Dear Ms. Loschak:

The Brevard County Natural Resources Management Office (NRMO), on behalf of the Florida Department of Environmental Protection (FDEP), has reviewed the above referenced report dated March 10, 2010 (received March 15, 2010) submitted for this site. We found the report submitted adequate to meet the requirements of Chapter 62-770.690 F.A.C and the Natural Attenuation Monitoring (NAM) Approval Order dated November 12, 2009. NRMO concurs with ECO's recommendation to continue semi-annual NAM analytical sampling.

Pursuant to Chapter 62-770.220(1) F.A.C. persons responsible for conducting field activities are required to notify the local program site manager in writing (fax or email preferred) at least three (3) days prior to field activities. If you have any questions concerning this review, please contact me or Mr. Douglas Divers, the local program manager, at (321) 633-2017 or at the letterhead address.

Sincerely,

NATURAL RESOURCES MANAGEMENT OFFICE

Handwritten signature of Maryann T. Civil in black ink.

Maryann T. Civil, P.G.  
Professional Geologist  
[maryann.civil@brevardcounty.us](mailto:maryann.civil@brevardcounty.us)

Handwritten signature of PDD in black ink.

PDD, P. Douglas Divers, Local Program Manager

cc: Grace Rivera, FDEP – BPSS (Team 2)  
Ms. Fran Green, Palm Bay Marina, 4350 Dixie Highway, Palm Bay, FL 32905  
File

DEP-SOP-001/01  
Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Palm Bay Manna	SITE LOCATION: 4350 Dixie Highway NE, Palm Bay, Brevard County
WELL NO. MW-1	SAMPLE ID MW-1
DATE June 17, 2010	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): $\frac{1}{4}$	WELL SCREEN INTERVAL DEPTH: 1.4 feet to 11.4 feet	STATIC DEPTH TO WATER (feet): 1.33	PURGE PUMP TYPE OR BAILER: Peristaltic
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (11.46 \text{ feet} - 1.33 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.62 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 2	PURGING INITIATED AT: 1519	PURGING ENDED AT: 1543	TOTAL VOLUME PURGED (gallons): 2.66
------------------------------------------------	----------------------------------------------	----------------------------	------------------------	-------------------------------------

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1537	2.0	2.0	0.11	1.40	6.99	32.3	509	2.1	2.73	clear	NA
1540	0.33	2.33	0.11	1.40	6.19	32.3	504	2.0	2.21	clear	NA
1543	0.33	2.66	0.11	1.40	6.18	32.3	501	2.0	1.58	clear	NA

WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06; 2" = 0.16, 3" = 0.37; 4" = 0.65, 5" = 1.02, 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./ft.) 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Jennifer Loschak, ECO Services and Solutions, Inc	SAMPLER(S) SIGNATURES: <i>Jennifer Loschak</i>	SAMPLING INITIATED AT: 1545	SAMPLING ENDED AT: 1550
PUMP OR TUBING DEPTH IN WELL (feet): 2	SAMPLE PUMP FLOW RATE (mL per minute): 0.11	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N FILTER SIZE: _____ µm <small>Filtration Equipment Type</small>	DUPLICATE: Y <input type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-1	2	CG	40mL	NONE	~ 2 x 40 mL	6.18	STEX+ MTBE HLEPA 3200	RFPP

REMARKS 00 (check 1557) 94.3

MATERIAL CODES AG = Amber Glass, CG = Clear Glass; PE = Polyethylene; PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)  
SAMPLING/PURGING APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump, PP = Peristaltic Pump  
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01  
Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Palm Bay Manna	SITE LOCATION: 4350 Dixie Highway NE, Palm Bay, Brevard County
WELL NO: MW-2	SAMPLE ID: MW-2
DATE: June 17, 2010	

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 10.97 feet	STATIC DEPTH TO WATER: 2.18 feet	PURGE PUMP TYPE OR BAILER: Penstaltic							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (10.97 feet - 2.18 feet) X 0.16 gallons/foot = 1.41 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3.5	PURGING INITIATED AT: 1409	PURGING ENDED AT: 1446	TOTAL VOLUME PURGED (gallons): 4							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (arcile mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1428	2.29	2.28	0.12	2.75	6.68	29.5	6.55	3.2	2.29	Clear	NA
1431	0.36	2.64	0.12	2.70	6.69	29.5	6.05	2.5.5	-	Clear	NA
1437	0.25	3.25	0.10	2.70	6.66	29.5	6.16	2.9	9.6	Clear	NA
1440	0.25	3.5	0.08	2.70	6.64	29.5	6.55	2.1	2.09	Clear	NA
1443	0.25	3.75	0.08	2.70	6.63	29.5	6.73	1.6	1.73	Clear	NA
1446	0.25	4 GALLONS	0.08	2.70	6.62	29.5	6.75	1.6	3.19	Clear	NA
WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal / Ft.) 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Jennifer Loschak, ECO Services and Solutions, Inc				SAMPLER(S) SIGNATURES: <i>J. Loschak</i>				SAMPLING INITIATED AT: 1448		SAMPLING ENDED AT: 1453	
PUMP OR TUBING DEPTH IN WELL (feet): 3.5				SAMPLE PUMP FLOW RATE (mL per minute): 0.08				TUBING MATERIAL CODE: PF			
FIELD DECONTAMINATION: Y N				FIELD-FILTERED: Y N FILTER SIZE: _____ µm <small>Filtration Equipment Type</small>				DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	2	CG	40mL	NONE	~ 2 x 40 mL		BTEX + MTBE		RFPP		
REMARKS: 1416 Calibrate DO meter reads 100.1											
MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene; PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)											
SAMPLING/PURGING EQUIPMENT CODES: APP = After Penstaltic Pump; B = Bailor; BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Penstaltic Pump RFPP = Reverse Flow Penstaltic Pump; SM = Straw Method (Tubing Gravity Drain), VT = Vacuum Trap, O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

3 gal @ 1434 slowed down pump

DEP-SOP-001/01  
 FT 1000 General Field Testing and Measurement

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) Oakton PC10 INSTRUMENT # \_\_\_\_\_

PARAMETER: [check only one]

- TEMPERATURE     CONDUCTIVITY     SALINITY     pH     ORP  
 TURBIDITY     RESIDUAL CI     DO     OTHER \_\_\_\_\_

**STANDARDS:** [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 7.00 Geotech Environmental

Standard B 10.00 Geotech Environmental

Standard C 4.00 Geotech Environmental

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/17/10	715	Recalibrate to Factory Standard					the	
		Recalibrate each point						
6/17/10	729	B	10.00	9.98	-	Yes	Init	JS
6/17/10	730	A	7.00	7.02	-	Yes	Init	JS
6/17/10	731	C	4.00	4.05	-	Yes	Init	JS
6/17/10	1552	A	7.00	7.05	-	Yes	Cont	JS
6/17/10	1553	B	10.00	9.93	-	Yes	Cont	JS
6/17/10	1554	C	4.00	4.10	-	Yes	Cont	JS

pH ± 0.2 of buffer

DEP-SOP-001/01  
 FT 1000 General Field Testing and Measurement

**Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS**

**INSTRUMENT (MAKE/MODEL#)** Oakton PC10 **INSTRUMENT #** \_\_\_\_\_

**PARAMETER:** [check only one]

- TEMPERATURE      CONDUCTIVITY      SALINITY      pH      ORP  
 TURBIDITY      RESIDUAL CI      DO      OTHER \_\_\_\_\_

**STANDARDS:** [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 447 μS/cm Geotech Environmental

Standard B 1413 μS/cm Geotech Environmental

Standard C \_\_\_\_\_

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/17/10	1007	B	1413	1442	2.1	Yes	Init	JF
6/17/10	1008	A	447	459	2.7	Yes	Init	JF
6/17/10	1556	B	1413	1438	1.8	Yes	Cont	JF
6/17/10	1557	A	447	460	2.9	Yes	Cont	JF

± 5% of standard



DEP-SOP-001/01  
FT 1000 General Field Testing and Measurement

**Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS**

**INSTRUMENT (MAKE/MODEL#)** Oakton DO 300 **INSTRUMENT #** \_\_\_\_\_

**PARAMETER:** [check only one]

- TEMPERATURE      CONDUCTIVITY      SALINITY      pH      ORP  
 TURBIDITY      RESIDUAL Cl      DO      OTHER \_\_\_\_\_

**STANDARDS:** [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 100% Air Saturation

Standard B \_\_\_\_\_

Standard C \_\_\_\_\_

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/17/10	1416	Calibrate		meter to	100.0	Standard		
6/17/10	1416	A	100.0	100.1	.1	Yes	Init	JJ
6/17/10	1557	A	100.0	94.3	5.7	Yes	Cont	JJ

± 5% of standard

DEP-SOP-001/01  
FT 1000 General Field Testing and Measurement

**Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS**

INSTRUMENT (MAKE/MODEL#) scientific, inc. INSTRUMENT # \_\_\_\_\_

PARAMETER: *[check only one]*

- TEMPERATURE       CONDUCTIVITY       SALINITY       pH       ORP  
 TURBIDITY       RESIDUAL CI       DO       OTHER \_\_\_\_\_

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A < 1

Standard B 10.0 NTU

Standard C 1000 NTU

DATE (yy/mm/dd)	TIME (hr.min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/17/10	1423	A	< 1	0.72	-	Yes	Cont	JS
6/17/10	1424	B	10.0	11.14	11.4	Yes	Cont	JS
6/17/10	1426	C	1000	961.9	3.8	Yes	Cont	JS
6/17/10	1559	B	10.0	9.70	3.0	Yes	Cont	JS
6/17/10	1600	A	< 1	1.03	-	Yes	Cont	JS

S = 0.1-10 NTU ± 10% of standard  
S >100 NTU ± 5% of standard

Company Name <u>ECO SERVICES AND SOLUTIONS INC.</u>						<b>LAB ANALYSIS</b>										Requested Turnaround Time													
Address <u>4965 ELGRET COURT</u>						Parameters	I										Field Filtered (Y/N)	Note: Rush requests subject to acceptance by the laboratory											
City <u>COCONUT CREEK</u> State <u>FL</u> Zip <u>33073</u>																		Standard <input checked="" type="checkbox"/>											
Sampling Site Address <u>4350 DIXIE HIGHWAY, PALM BAY</u>																		Expedited <input type="checkbox"/>											
Attn: <u>JENNIFER LOSCHAK</u> Email: <u>jloschak@bellsouth.net</u>																		Due <u>  </u> / <u>  </u> / <u>  </u>											
Project Name <u>PALM BAY MARINA</u> Dept # _____																		Comments											
Sampler Name/Signature <u>Jennifer Loschak</u>																													
#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	# of Gbts																								
<u>1</u>	<u>MW-1</u>	<u>6/17/10</u>	<u>1545</u>	<u>GW</u>	<u>2</u>													BTEXT MTBE											
<u>2</u>	<u>MW-2</u>	<u>6/17/10</u>	<u>1448</u>	<u>GW</u>	<u>2</u>																								
<u>3</u>																													
<u>4</u>																													
<u>5</u>																													
<u>6</u>																													
<u>7</u>																													
<u>8</u>																													
<u>9</u>																													
<u>0</u>																													
Matrix Codes:				Grab Codes:		Retinquished by			Date		Time		Received by			Date		Time											
S	Soil/Solid Sediment	SW	Surface Water	A	none	I	Ice	<u>Jennifer Loschak</u>			<u>6/18/10</u>		<u>1745</u>		<u>Ed Dan</u>			<u>6/18/10</u>		<u>1745</u>									
GW	Ground Water	SL	Sludge	B	HNO <sub>3</sub>	O	Other																						
WW	Waste Water	O	Other (Please Specify)	C	H <sub>2</sub> SO <sub>4</sub>	M	MeOH																						
DW	Drinking Water			D	NaOH	N	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>																						
				E	HCl	Z	ZnAc																						
QA/QC level with report																													
None <u>  </u> 1 <u>  </u> 2 <u>  </u> 3 <u>  </u> See price guide for applicable fees																													
FDEP 2007 <input type="checkbox"/> FDEP 2008 <input type="checkbox"/> FDEP 2009 <input type="checkbox"/>				Temp Control.																									
SFWM <input type="checkbox"/> GSA <input type="checkbox"/> DOT <input type="checkbox"/>				<u>4</u> °C																									



Jupiter Environmental Laboratories, Inc  
 150 S Old Dixie Highway  
 Jupiter, FL 33458  
 Phone (561)575-0030  
 Fax (561)575-4118  
 www.jupiterlabs.com  
 clientservices@jupiterlabs.com

June 24, 2010

Jennifer Loschak  
 Eco Services And Solutions  
 4965 Egret Ct  
 Pompano Beach, FL 33073

RE LOG# 1025324  
 Project ID Palm Bay Marina  
 COC# 25324

Dear Jennifer Loschak

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, June 18, 2010. Results reported herein conform to the most current NELAC standards, where applicable, unless indicated by \* in the body of the report. The enclosed Chain of Custody is a component of this package and should be retained with the package and incorporated therein.

Results for all solid matrices are reported in dry weight unless otherwise noted. Results for all liquid matrices are reported as received in the laboratory unless otherwise noted. Results relate only to the samples received. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

Samples are disposed of after 30 days of their receipt by the laboratory unless extended storage is requested in writing. The laboratory maintains the right to charge storage fees for archived samples. This report will be archived for 5 years after which time it will be destroyed without further notice, unless prior arrangements have been made.

Certain analyses are subcontracted to outside NELAC certified laboratories, please see the Project Summary section of this report for NELAC certification numbers of laboratories used. A Statement of Qualifiers is available upon request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ann McKewin for  
 Kacia Baldwin  
 VP of Operations

Report ID 1025324 - 676213  
 6/24/2010

Page 1 of 6

**FDOH# E86546**  
**CERTIFICATE OF ANALYSIS**

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Jupiter Environmental Laboratories, Inc  
150 S Old Dixie Highway  
Jupiter, FL 33458  
Phone (561)575-0030  
Fax (561)575-4118

**SAMPLE ANALYTE COUNT**

Workorder 1025324

Project ID: Palm Bay Manna

---

Lab ID	Sample ID	Method	Analytes Reported
1025324001	MW-1	EPA 8260B	10
1025324002	MW-2	EPA 8260B	10

Report ID 1025324 - 676213  
6/24/2010

Page 2 of 6

**FDOH# E86546**  
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Jupiter, FL 33458  
Phone (561)575-0030  
Fax (561)575-4118

### SAMPLE SUMMARY

Workorder 1025324

Project ID Palm Bay Marina

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1025324001	MW-1	Aqueous Liquid	6/17/2010 15 45	6/18/2010 17 45
1025324002	MW-2	Aqueous Liquid	6/17/2010 14 48	6/18/2010 17 45

Report ID 1025324 - 676213  
6/24/2010

Page 3 of 6

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## ANALYTICAL RESULTS

Workorder 1025324

Project ID: Palm Bay Marina

Lab ID	<b>1025324001</b>	Date Received	6/18/2010 17 45	Matrix	Aqueous Liquid
Sample ID	<b>MW-1</b>	Date Collected	6/17/2010 15 45		

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-------------	----	----------	----	------

**Volatiles by GC/MS**

Analysis Desc. BTEX/MTBE by 8260B (W)

Preparation Method EPA 5030B

Analytical Method: EPA 8260B

Benzene	U ug/L	1 00	0 350	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
Ethylbenzene	U ug/L	1 00	0 520	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
Toluene	U ug/L	1 00	0 470	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
Xylenes (total)	U ug/L	3 00	0 980	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
m & p-xylene	U ug/L	2 00	0 310	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
o-Xylene	U ug/L	1 00	0 670	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
tert-Butyl methyl ether (MTBE)	U ug/L	1 00	0 440	1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
Dibromofluoromethane (S)	71 %	70-130		1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
Toluene d8 (S)	73 %	70-130		1	6/21/2010 12 00	SS	6/21/2010 14 51	SS
4-Bromofluorobenzene (S)	95 %	70-130		1	6/21/2010 12 00	SS	6/21/2010 14 51	SS



## ANALYTICAL RESULTS

Workorder 1025324

Project ID. Palm Bay Manna

Lab ID.	<b>1025324002</b>	Date Received	6/18/2010 17 45	Matrix	Aqueous Liquid
Sample ID	<b>MW-2</b>	Date Collected	6/17/2010 14 48		

Parameters	Results	Units	PQL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>Volatiles by GC/MS</b>									
Analysis Desc. BTEX/MTBE by 8260B (W)					Preparation Method. EPA 5030B				
Analytical Method: EPA 8260B									
Benzene	U	ug/L	1.00	0.350	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
Ethylbenzene	U	ug/L	1.00	0.520	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
Toluene	U	ug/L	1.00	0.470	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
Xylenes (total)	U	ug/L	3.00	0.980	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
m & p-xylene	U	ug/L	2.00	0.310	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
o-Xylene	U	ug/L	1.00	0.670	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
tert-Butyl methyl ether (MTBE)	U	ug/L	1.00	0.440	1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
Dibromofluoromethane (S)	73 %		70-130		1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
Toluene d8 (S)	75 %		70-130		1	6/21/2010 12 00	SS	6/21/2010 15 33	SS
4-Bromofluorobenzene (S)	96 %		70-130		1	6/21/2010 12 00	SS	6/21/2010 15 33	SS

**FDOH# E86546**  
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### ANALYTICAL RESULTS QUALIFIERS

Workorder 1025324  
Project ID. Palm Bay Manna

---

#### PARAMETER QUALIFIERS

#### PROJECT COMMENTS

1025324      A reported value of U indicates that the compound was analyzed for but not detected above the MDL. A value flagged with an "I" flag indicates that the reported value is between the laboratory method detection limit and the practical quantitation limit.

### FDOH# E86546 CERTIFICATE OF ANALYSIS

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Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

JUN 15 2005

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Mark Maloney  
Shell Oil Products US  
4417 13<sup>th</sup> Street, PMB 311  
St. Cloud, FL 34769

Subject: Site Rehabilitation Completion Order  
ARA 24 Seven Auto Repair & Service  
(Former Shell Station, SAP #140938)  
4371 Southeast Dixie Highway  
Palm Bay, Brevard County  
FDEP Facility ID# 058518323  
Discharge Date: January 28, 2004 (Non-program)

Dear Mr. Maloney:

Brevard County Natural Resources Management Office (NRMO) has reviewed the Site Assessment Report (SAR) Addendum and No Further Action Proposal (NFAP) dated March 2005 (received March 16, 2005), prepared and submitted by EnviroTrac, Ltd. for the petroleum product discharge discovered at this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the NFAP or otherwise allowed by Chapter 62-770, F.A.C.
- (2) Additionally, you are required to properly abandon all monitoring wells, except compliance wells required by Chapter 62-761, F.A.C., for release detection, within 60 days of receipt of this Order. The monitoring wells must

*"More Protection, Less Process"*

Visit Our Internet Site At: [www.dep.state.fl.us/waste/categories/pcp/default.htm](http://www.dep.state.fl.us/waste/categories/pcp/default.htm)

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11-10-04

be plugged and abandoned in accordance with the requirements of Rule 62-532.500(4), F.A.C.

### Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the NFAP you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
  - (1) File a request for an extension of time to file a petition for hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing; or
  - (2) File a petition for administrative hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

### How to Request an Extension of Time to File a Petition for Administrative Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Shell Oil Products US, shall mail a copy of the request to Shell Oil Products US at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

### How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The

petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Shell Oil Products US, shall mail a copy of the petition to Shell Oil Products US at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsections 120.54(5)(b)4. and 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

#### Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable

Mr. Mark Maloney  
FDEP Facility ID# 058518323  
Page four

filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Brevard County NRMO's review of your NFAP should be directed to Mr. Douglas Divers at (321) 633-2017. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

The FDEP Facility Number for this site is 058518323. Please use this identification on all future correspondence with the Department or Brevard County NRMO.

Sincerely,

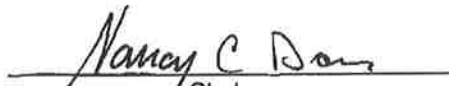


Michael E. Ashe, Chief  
Bureau of Petroleum Storage Systems

MEA/tcs

cc: Bret LeRoux, FDEP Central District Office  
Douglas Divers, Brevard County NRMO  
Carrie Lawson, EnviroTrac, 5309 56<sup>th</sup> Commerce Park Blvd., Tampa, FL 33610  
Ramsey Agarie, ARA 24 Seven Auto Repairs & Service, 4371 Southeast Dixie  
Highway, Palm Bay, FL 32905  
File

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant to  
§120.52 Florida Statutes, with the  
designated Department Clerk, receipt  
of which is hereby acknowledged.

  
Clerk  
(or Deputy Clerk)

JUN 15 2005  
Date



NATURAL RESOURCES MANAGEMENT OFFICE  
2725 Judge Fran Jamieson Way, Viera, FL 32940

Telephone: (321) 633-2017  
SunCom: 366-2017  
FAX: (321) 633-2029

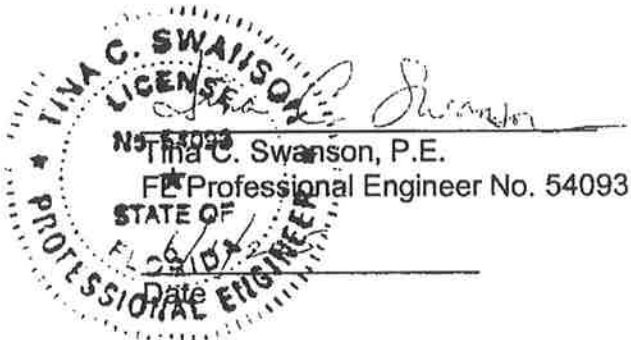
## P.E. CERTIFICATION

No Further Action Proposal for:

ARA 24 Seven Auto Repair & Service  
(Former Shell Station, SAP #140938)  
4371 Southeast Dixie Highway  
Palm Bay, Brevard County, Florida  
FDEP Facility ID# 058518323

I hereby certify that in my professional judgment, the components of this No Further Action Proposal satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

- I personally completed this review.
- This review was conducted by Maryann Civil working under my direct supervision.







Entered STCM

JUL 21 2005

Report: W ABAND

**BREVARD** *County*  
BOARD OF COUNTY COMMISSIONERS  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FLORIDA'S SPACE COAST

NATURAL RESOURCES MANAGEMENT OFFICE  
2725 Judge Fran Jamieson Way, Viera, FL 32940

2005 JUL 27 12:32:21

Telephone: (321) 633-2017  
SunCom: 366-2017  
FAX: (321) 633-2029



BUREAU OF PETROLEUM  
STORAGE SYSTEMS  
TEAM 2

June 27, 2005

Ms. Jennifer Mills  
Staff Scientist  
Envirotrac Environmental Services  
5309 56<sup>th</sup> Commerce Park Blvd.  
Tampa, FL 33610

Subject: Review – Monitoring Well Abandonment Report  
Former Shell Station (SAP#140938)  
4371 NE Dixie Highway  
Palm Bay, Brevard County  
FDEP Facility ID# 058518323

Dear Ms. Mills:

The Brevard County Natural Resources Management Office (NRMO) has reviewed the Monitoring Well Abandonment Report dated June 22, 2005 (received June 23, 2005), submitted for this site. The report is acceptable and demonstrates that the wells were abandoned in accordance with the requirements set forth in the Departments Site Rehabilitation Completion Order and Rule 62-532.500(4), F.A.C..

If you have any questions regarding this review, please contact me or Mr. Doug Divers at (321) 633-2017 or via email.

Sincerely,

NATURAL RESOURCES MANAGEMENT OFFICE

A handwritten signature in cursive script, appearing to read "Maryann T. Civil".

Maryann T. Civil, P.G.  
Professional Geologist

PDD, P. Douglas Divers, Local Program Manager

cc: Grace Rivera, FDEP – BPSS, Tallahassee  
Mark Maloney, Shell Oil Products US, 4417 13<sup>th</sup> St., PMB 311, St. Cloud, FL 34769  
Ramsey Agarie, ARA 24 Seven Auto, 4371 SE Dixie Highway, Palm Bay, FL 32905  
File



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

JUN 15 2005

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Mark Maloney  
Shell Oil Products US  
4417 13<sup>th</sup> Street, PMB 311  
St. Cloud, FL 34769

**Subject:** Site Rehabilitation Completion Order  
ARA 24 Seven Auto Repair & Service  
(Former Shell Station, SAP #140938)  
4371 Southeast Dixie Highway  
Palm Bay, Brevard County  
FDEP Facility ID# 058518323  
Discharge Date: January 28, 2004 (Non-program)

Dear Mr. Maloney:

Brevard County Natural Resources Management Office (NRMO) has reviewed the Site Assessment Report (SAR) Addendum and No Further Action Proposal (NFAP) dated March 2005 (received March 16, 2005), prepared and submitted by EnviroTrac, Ltd. for the petroleum product discharge discovered at this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

- (1) In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Florida Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the NFAP or otherwise allowed by Chapter 62-770, F.A.C.
- (2) Additionally, you are required to properly abandon all monitoring wells, except compliance wells required by Chapter 62-761, F.A.C., for release detection, within 60 days of receipt of this Order. The monitoring wells must

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11-10-04

be plugged and abandoned in accordance with the requirements of Rule 62-532.500(4), F.A.C.

### Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

- (A) If you choose to accept the Department's decision regarding the NFAP you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- (B) If you choose to challenge the decision, you may do the following:
  - (1) File a request for an extension of time to file a petition for hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing; or
  - (2) File a petition for administrative hearing with the Agency Clerk in the Office of General Counsel of the Department within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

### How to Request an Extension of Time to File a Petition for Administrative Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Shell Oil Products US, shall mail a copy of the request to Shell Oil Products US at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

### How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The

petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Shell Oil Products US, shall mail a copy of the petition to Shell Oil Products US at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsections 120.54(5)(b)4. and 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

#### Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable

Mr. Mark Maloney  
FDEP Facility ID# 058518323  
Page four

filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Brevard County NRMO's review of your NFAP should be directed to Mr. Douglas Divers at (321) 633-2017. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

The FDEP Facility Number for this site is 058518323. Please use this identification on all future correspondence with the Department or Brevard County NRMO.

Sincerely,

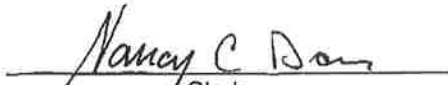


Michael E. Ashe, Chief  
Bureau of Petroleum Storage Systems

MEA/tcs

cc: Bret LeRoux, FDEP Central District Office  
Douglas Divers, Brevard County NRMO  
Carrie Lawson, EnviroTrac, 5309 56<sup>th</sup> Commerce Park Blvd., Tampa, FL 33610  
Ramsey Agarie, ARA 24 Seven Auto Repairs & Service, 4371 Southeast Dixie  
Highway, Palm Bay, FL 32905  
File

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant to  
§120.52 Florida Statutes, with the  
designated Department Clerk, receipt  
of which is hereby acknowledged.

  
Clerk  
(or Deputy Clerk)

JUN 15 2005  
Date



NATURAL RESOURCES MANAGEMENT OFFICE  
2725 Judge Fran Jamieson Way, Viera, FL 32940

Telephone: (321) 633-2017  
SunCom: 366-2017  
FAX: (321) 633-2029

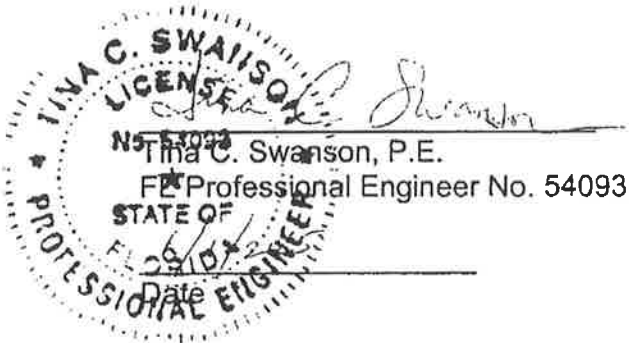
## P.E. CERTIFICATION

No Further Action Proposal for:

ARA 24 Seven Auto Repair & Service  
(Former Shell Station, SAP #140938)  
4371 Southeast Dixie Highway  
Palm Bay, Brevard County, Florida  
FDEP Facility ID# 058518323

I hereby certify that in my professional judgment, the components of this No Further Action Proposal satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

- I personally completed this review.
- This review was conducted by Maryann Civil working under my direct supervision.



# **Appendix F**



**Photo No. 1:** View of the Subject Property facing west.



**Photo No. 2:** View north of the Subject Property along US Highway 1, from south facing north.



**Commercial Property**  
**4400 North Dixie Highway**  
**Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos: September 20, 2010

Page 1





**Photo No. 3:** View of US Highway 1 along the eastern boundary of the Subject Property facing south.



**Photo No. 4:** View of adjoining property to the south of the Subject Property.



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**Commercial Property**  
**4400 North Dixie Highway**  
**Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

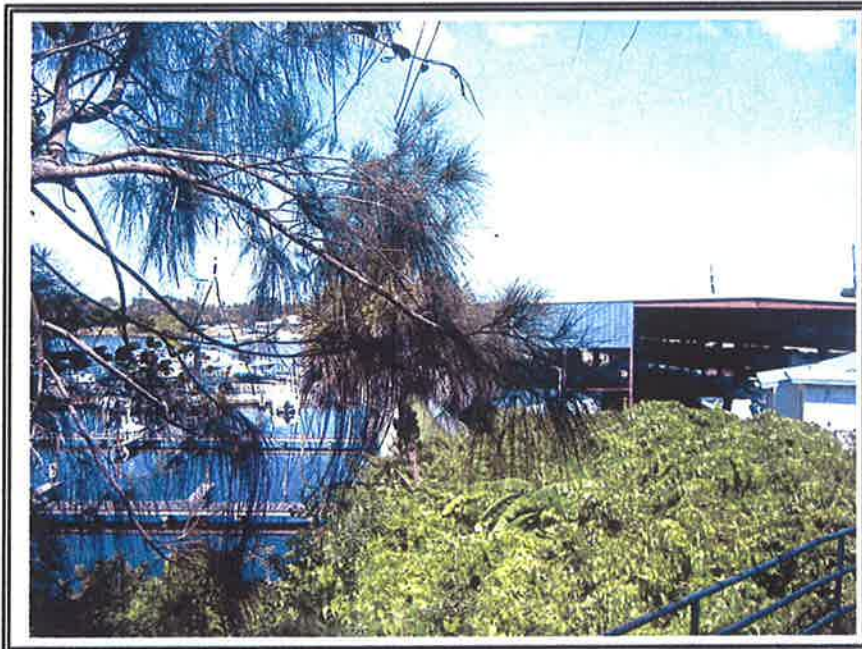
Project No. 0340.1000052.0000

Date of Photos: September 20, 2010

Page 2



**Photo No. 5:** View of the trailer park along the western property boundary of the Subject Property facing west.



**Photo No. 6:** View of Palm Bay Marina located due north of the Subject Property.



**Commercial Property  
4400 North Dixie Highway  
Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos: September 20, 2010

Page 3



**Photo No. 7:** View of US Highway 1 and commercial properties east of the Subject Property.



**Photo No. 8:** View of the Main Building of the Subject Property.



**Commercial Property  
4400 North Dixie Highway  
Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos: September 20, 2010

Page 4



**Photo No. 9:** Photograph of interior courtyard facing southeast.



**Photo No. 10:** Photograph of interior courtyard from the south facing north.



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**Commercial Property**  
**4400 North Dixie Highway**  
**Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos : September 20, 2010

Page 5



**Photo No. 11:** Photograph of generator located in a fenced area in the middle of the property.



**Photo No. 12:** Photograph of fireproofing on structural supports located in the Main building.



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**Commercial Property**  
**4400 North Dixie Highway**  
**Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos : September 20, 2010

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**Photo No. 13:** Photograph of Palm Bay Marina located due north of the Subject Property. This site is a REC.



**Photo No. 14:** Photograph of the former ARA 24 Seven Auto-Repair & Service located northeast of the Subject Property. This site received NFA from FDEP.



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**Commercial Property**  
**4400 North Dixie Highway**  
**Palm Bay, Brevard County, Florida 32905**

***PROPERTY PHOTOGRAPHS***

Project No. 0340.1000052.0000

Date of Photos : September 20, 2010

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# **Appendix G**

## References

American Society for Testing and Materials, E1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," 2005.

United States Department of Agriculture, Soil Conservation Service, "Soil Survey of Brevard County, Florida," November 1974.

United States Geologic Survey, "Melbourne East" Quadrangle Map, 7.5 Minute Series, 1976.

Real Estate Solutions, Aerial Map and Base Map, Brevard County, Florida, Township 28 south, Range 37 east, Section 24, 2006.

Brevard County Map Reproduction Office, Viera, Brevard County, Florida. Township 28 south, Range 37 east, Section 24 1943, 1951, 1958, 1967, 1969, 1975, 1980, 1983, 1986, 1989, 1993, 1996, 1998, 2003, 2007 and 2009.

Environmental Data Resources (EDR) "EDR Radius Map" Inquiry No. 2871730.1s and 2871730.2

Florida Department of Environmental Protection's Document Management System (OCULUS) website <http://199.73.24.64/>.

Brevard County Property Appraiser's Website – General Parcel Information <http://www.brevardpropertyappraiser.com>



# **Appendix H**



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**RICHARD E. HOAGLIN, P.E.**

---

Branch Manager – Rockledge / Principal Engineer

- Expertise** Construction Inspection and Testing, Forensic Engineering, Geotechnical Engineering, and Environmental Consulting
- Academic Background** Bachelor of Science, Civil Engineering, Mississippi State University, 1990  
ASE, Copiah Lincoln Junior College, 1987
- Registrations** Professional Engineer, Florida License No. 48796, 1995  
Professional Engineer, Georgia License No. 24920, 1998
- Certifications** Structural Masonry Inspector No. GA2-99-306, GCPA, 1999  
SBCCI Building Inspector No. 8628, 2002  
Radiation Safety Officer, 1991  
Fundamentals of Erosion and Sedimentation Control, Georgia SWCC, 2002  
Worksite Erosion Control Supervisor, GDOT, 2000
- Experience** Mr. Hoaglin has 17 years of experience which includes a broad range of experience in management and hands-on performance of geotechnical engineering, construction inspection, and environmental consulting activities. His geotechnical experience includes project setup, field exploration, and report preparation of transportation, commercial, and government projects. His construction inspection experience includes management and hands-on experience of testing and inspection on transportation, commercial, and government projects. His environmental experience includes management and hands-on performance of Phase I ESAs and lead-based paint and asbestos surveys/monitoring on commercial projects.
- Mr. Hoaglin has intimate experience with geotechnical engineering theory related to the design of structures and roadways, with testing and inspection procedures, and with forensic engineering. He has performed many investigations on structural failures of asphalt pavements, concrete pavements, and buildings do to settlement related distress.
- Project Experience**
- **CNET Technical Training Facility, Pensacola NAS, FL, 1995-1997.** Mr. Hoaglin managed and performed inspection duties on the new Naval Air Station campus in Pensacola, Florida. This development included seven 4-story barracks and one 5-story barracks, several education buildings, a fire training center, medical facility, and officers club with associated roadways and utilities on a 100-acre brownfield site.
  - **Annual Construction Inspection Services, Jacksonville Urban FDOT Office, FL, 1993-1995.** Mr. Hoaglin managed a 2-year \$250,000 inspection and testing contract for the Florida Department of Transportation in Jacksonville, Florida. The contract required full time inspection and testing of concrete soils and asphalt on various projects in District 2.



Biographical Data

- **Shoal Creek Filter Plant, Gwinnett County, Georgia, 2002.** Mr. Hoaglin managed inspection and testing services on the new water treatment plant at Lake Lanier in Gwinnett County, Georgia. The contract included full time inspection with 1 to 3 technicians for all of the sitework and structural inspection and testing for a 3 year period. The project included all of the buildings and infrastructure needed for a major metropolitan water treatment plant on a 30 acre site.
- **Various Target Stores, North Georgia and Alabama, 1998-2002.** Mr. Hoaglin managed full time special inspection and testing duties for approximately 18 Target and SuperTarget stores in North Georgia and Alabama from 1998 to 2002. Services included sitework inspection, foundation bearing testing, reinforcing steel inspection, concrete testing, masonry inspection and testing, structural steel inspection, and roofing inspection. Each project required a full time special inspection for a three to five month period.
- **Various Kroger Stores, Atlanta Metropolitan Area, 1998-2002.** Mr. Hoaglin performed preliminary and final geotechnical investigations for approximately 12 new Kroger shopping centers in Atlanta, GA between 1998 and 2002. The geotechnical investigations focused on determining the existence of rock within the proposed final cut grades, determining the allowable bearing, and providing recommendations for sitework construction. He followed up each project by managing the inspection and testing services during the construction.
- **Various McDonald's Restaurants, St. Lucie County, FL, 2007.** Mr. Hoaglin was the principle engineer in charge of private provider inspections and plan review for the construction of several new McDonald's Restaurants
- **Rockledge Estate Apartments, Rockledge, FL, 2007.** Mr. Hoaglin was the principal engineer in charge of private provider inspections and plan review for the construction of an apartment complex with 18 buildings.
- **Various Port Canaveral projects, 2007.** Mr. Hoaglin was the principal engineer in charge of plan review and private provider inspections of several construction projects at Port Canaveral. The work was performed for Canaveral Port Authority to supplement their building inspection department.

**Professional Affiliations**

American Society of Civil Engineers, American Society Highway Engineers, Florida Engineering Society, American Concrete Institute

**Universal Office**

Rockledge

**Years with Universal**

5 (2003)

**Years with Other Firms**

12

**Biographical Data****CHARLES R. SABAS, CIEC/CMR**

**Title** Environmental Department Manager

**Expertise** Asbestos, Lead-Based Paint, and Indoor Air Quality / Industrial Hygiene  
Environmental Site Assessment (Phase I and II)

**Academic Background** University of Massachusetts Liberal Arts

**Registrations/  
Certifications** NIOSH-582, 1990  
EPA AHERA Asbestos Contractor/Supervisor, 1991, 2009  
EPA AHERA Asbestos Inspector, 1993, 2009  
Basic Risk Management, 1994  
Radiation Safety - X-Ray Fluorescence Operator, RMD , 1996, 2005  
Advanced Indoor Air Quality Assessment, AIHA, 1999, 2006  
EPA Model Lead Inspector, 2000, 2003, 2007, 2009  
EPA Model Lead Risk Assessor, 2000, 2003, 2007, 2009  
Certified Mold Remediator, 2002, 2005, 2009  
Certified Indoor Environmentalist Consultant, 2007, 2009  
EPA AHERA Asbestos Project Designer, 2006, 2009  
HAZWOPER 1992, 2009  
HAZWOPER Supervisor, 2007  
FDEP SOP Groundwater, Surface Water & Wastewater 2007  
Indoor Air Quality Association, Inc. Member Since 2001

**Experience** Mr. Sabas has over 19 years of experience and is responsible for administration and technical management of multi-disciplinary contracts and projects involving asbestos, lead-based paint, and indoor air quality/industrial hygiene. He has practical experience with a broad range of the private sector, governmental agency, and municipal clients on sites involving impacts to buildings regarding scheduled renovation and/or demolition. Mr. Sabas' responsibilities include contract management, program development, and assisting clients with various projects to be completed in accordance with federal, state and local regulatory agencies. Mr. Sabas' technical expertise includes performing asbestos and lead-based paint surveys of building structures, development of plans and specifications for the abatement of identified regulated materials, monitoring contractors' abatement activities, and documenting each activity in the form of a final report. Mr. Sabas also has project experience in indoor air quality / sick building syndrome investigations not limited to mold and bacteria contamination and chemical and/or chemical exposure to include industrial hygiene / safety investigations. Mr. Sabas has a strong background in building systems and mechanical design, which is vital during building investigation to determine potential causes of poor air quality.

Mr. Sabas has also conducted industrial hygiene sampling or monitoring for specific compounds in accordance with applicable standards and protocols. Investigations include noise-compliance audits, monitoring for chemical exposure including in industrial and office settings. Additionally, he is experienced utilizing elaborate electronic equipment to measure various compounds during an IAQ investigation. Such equipment includes an *Organic Vapor Analyzer (OVA)*, *Q-Trak IAQ* (Indoor Air Quality) monitor, HVAC Test and Balance equipment, boroscope technology, *Ultra Fine Particulate Counter*, *BioSampler* for airborne mold sampling, *Anderson*



## **Biographical Data**

*Impactor* for bacteria sampling and Inferred Technology for building envelop investigations.

Additionally, Mr. Sabas has over a decade of experience conducting Environmental Site Assessments (ESA-I) in general accordance with ASTM protocols. Several of the ESA-I's conducted identified *Recognized Environmental Conditions* requiring further investigation such as soil and groundwater sampling (ESA-II) to determine if contamination exists and the extent of contamination. These ESA-II's were performed in general accordance with the *Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP)*. Clients included several financial institutions, County land acquisition departments and private investors.

As the Environmental Department Manager, Mr. Sabas is responsible for all aspects of project management including proposal preparation, senior review of prepared documents, budget tracking / invoicing and training.

## **Related Projects**

### ***Indoor Air Quality***

- **Several Financial Institutions:** Performed indoor air quality (IAQ) assessments to develop a baseline of interior air quality modify/correct identify concerns and maintain a healthy work environment for employees. The assessments included microbiological sampling, comfort parameters testing, and overview of HVAC performance and prepare an HVAC maintenance schedule.
- **Florida Hospital Ormond Beach:** Conducted a building envelop assessment of the hospital following damage associated with the 2005 hurricane season (Charley, Fay, Ivan and Jeanne). Identified moisture points of entry via moisture mapping and Inferred technology, Performed an asbestos survey of building components impacted by water damage, Conducted mold sampling to determine the extent of contamination within the hospital, Developed a remediation / renovation plan to properly remove mold contaminated materials. Generated a report outlining services performed including moisture maps, daily monitoring activities, laboratory results, conclusions and recommendations and punch-out items. All reports were submitted to the insurance carrier and the hospital for payment.
- **Florida Institute of Technology.** Performed IAQ evaluations/investigations for sampling of air for microbiological activity, nuisance dust, and total volatile organic compounds. Interpreted results and recommended solutions to rectify any identified IAQ problems.
- **Confidential Real Estate Management Company.** Project Manager/Senior Industrial Hygienist responsible for investigating two multi-storied buildings for "Sick Building Syndrome" and/or "Building Related Illness." Project involved extensive mechanical system evaluation, microbiological sampling, and moisture intrusion/building envelop investigation.
- **Robert Reid Wedding Architects, Inc.** Project Manager/Industrial Hygienist responsible for documenting the indoor work environment of a 50,000 square foot office facility prior to major renovations and to assist in the design and installation of a new HVAC system. This included general comfort parameter testing, hydrocarbon scan and microbial sampling.



## **Biographical Data**

- **Jones, Lang, LaSalle, Inc.** Conducted extensive mold investigation of a new hotel resort prior to building commission. The investigation consisted of visual observations of surfaces within the facility including microbial sampling to identify and quantify contaminants. All areas within the facility were addressed including elevator shafts and mechanical systems where concerns were identified. Mr. Sabas developed project specifications in general accordance with industry standard practices and NYC guidelines for mold remediation. Conducted project management and oversight during remediation procedures, collected microbial samples and interpreted laboratory results prior to occupation. All efforts were documented in a final report and submitted to the client.
- **Seminole Community College.** Senior Project Manager of a multi-phase indoor air quality project, which involved the testing of HVAC system(s) on each of the 25 buildings on campus. Results were compared to applicable standards for institutional facilities. Microbial sampling to identify the presence of mold and assist in the remediation effort.
- **Various National Insurance Companies.** Conduct mold investigations in residential dwellings following moisture intrusions. Develop plans as specified for contractors to follow to eliminate the potential for cross-contamination.
- **Professional Engineering Company.** Assisted in the development of an indoor air quality specification designed to document building conditions prior to occupancy.
- **A Prestigious Insurance Company.** Project Manager/Senior Industrial Hygienist responsible for project oversight during the removal and replacement of improperly installed windows. The windows were the cause of moisture intrusion, which lead to extensive microbial contamination. Responsibilities included contractor and client coordination, visual inspections for compliance with specifications, air and surface sample collection and analysis interpretation. Additionally, progress meetings were conducted weekly to inform the client and Owner of project status. The process was documented and submitted to the client as a final report.

## **Educational Facilities**

- **Central Florida School Facilities (including-Brevard, Osceola, Seminole, Martin, Highlands, and Hillsborough Counties-K-12).** Project Manager responsible for compliance with all aspects of asbestos abatement and survey protocols including contract preparation, development of abatement design specifications, oversight of air and bulk sample collection, analysis and close-out documentation in final report form.
- **New York City School Board, "Operation Clean House."** Project Manager; conducted approximately 20 asbestos surveys of schools for compliance with AHERA requirements and assisted in the development of asbestos abatement specifications to address asbestos containing material identified in poor condition.
- **Seminole Community College.** Project Manager responsible for conducting an asbestos survey of the former Science Building prior to major renovations, preparing an abatement specification for the removal of identified materials, monitoring the abatement activities (air monitoring and visual inspections in compliance with project specification) and preparing a final report documenting abatement procedures.



**Biographical Data**

- **University of Central Florida.** Project Manager responsible for conducting several asbestos surveys in compliance with state protocols, preparing site specific work plans outlining scope of work for asbestos abatement, conducting project monitoring during the abatement procedures, and preparing a final report documenting abatement activity.
- **University of Florida.** Project Manager responsible for conducting project monitoring of multiple long term projects which included the removal of friable and non-friable asbestos-containing material from within tenant occupied facilities, conducting project monitoring during the abatement of underground steam lines, and preparing a final report documenting abatement activity. Conducted several asbestos surveys of buildings prior to scheduled renovation or demolition.
- **Neptune Middle School, Clearance Testing, St. Cloud, Osceola County, Florida.** Performed post-remediation air quality clearance testing within portables and several random classrooms for general comparison. Performed IAQ evaluations/investigations for sampling of air for microbiological activity, nuisance dust, and total volatile organic compounds. Mr. Sabas performed general observations, examined test results, formulated conclusions and recommendations.

***Asbestos and Lead-Based Paint***

- **Patrick Air Force Base/Cape Canaveral Air Force Station.** Project Manager/Supervisor responsible for the oversight of several employees conducting asbestos abatement monitoring, analysis of air samples by Phase Contrast Microscopy (PCM) in accordance with NIOSH Method Number 7400, and visual observations of abatement areas to ensure compliance with project specifications. Oversight was conducted in accordance with local, state, and federal regulations.
- **Titan Facility Cape Canaveral Air Force Station.** Responsible for the assessment of hazardous materials within the Titan Facility Complex prior to demolition. The 15 building complex supported the program from support, development, assembly, fueling and launch. The assessment included the evaluation of each facility for the presence of asbestos, lead based paint and PCB's in the building materials, classification of each identified hazardous material regarding proper demolition, transportation and disposal requirements.
- **Eustis, Seminole and Brevard Housing Authorities.** Project Manager for the assessment and remediation of asbestos and lead-based paint abatement to facilitate planned renovations. Developed specifications and monitored abatement contractors for compliance with local, state, and federal regulations.
- **Post Buckley Schuh & Jernigan.** Conducted several lead-based paint survey/screenings and prepared project specifications for the removal of identified lead-based paint from bridge structures throughout Central Florida.

**Universal Office**      Rockledge Branch

**Years with  
Universal**              6

**Years with  
Other Firms**         13

# **Appendix I**



## Charles Sabas

---

**From:** Charles Sabas  
**Sent:** Monday, September 27, 2010 11:27 AM  
**To:** 'Civil, Maryann T'  
**Subject:** RE: former Chancellor Charter School Palm Bay

Maryann,  
Thanks for the information, it is greatly appreciated.

**Charles R. Sabas, CIEC**  
Environmental Department Manager  
Universal Engineering Sciences, Inc.  
820 Brevard Avenue  
Rockledge, Florida 32955  
(321) 638-0808 office  
(321) 638-0978 fax  
(321) 288-8140 mobile

Universal Engineering Sciences, Inc.  
803 South Kings Highway  
Fort Pierce, Florida 34945  
(772) 461-9815 office  
(772) 461-9816 fax

---

**From:** Civil, Maryann T [mailto:Maryann.Civil@brevardcounty.us]  
**Sent:** Monday, September 27, 2010 11:21 AM  
**To:** Charles Sabas; Swanson, Tina C  
**Subject:** RE: former Chancellor Charter School Palm Bay

Charles,

Palm Bay Marina has received a SRCO/NFA for the 2008 discharge. The other two facilities are the same address so the FAC ID is the same. Both discharges have a received NFAs. I would suggest checking OCULUS for any additional information: <http://dwmedms.dep.state.fl.us/Oculus/servlet/login>.

## Maryann

Maryann T. Civil, P.G.  
Professional Geologist  
Brevard County NRMO  
2725 Judge Fran Jamieson Way  
Building A  
Viera, FL 32940  
321.633.2017 x 6  
321.537.8473 (cell)

"The comments and opinions expressed herein are those of the author of this message and may not reflect the policies of the Brevard County, Board of County Commissioners."

---

**From:** Charles Sabas [mailto:csabas@universalengineering.com]

9/27/2010

**Sent:** Monday, September 27, 2010 10:39 AM  
**To:** Swanson, Tina C; Civil, Maryann T  
**Subject:** former Chancellor Charter School Palm Bay

Good Morning Tina and Maryann,

I am conducting an ESA-I at the former Chancellor Charter School located at 4400 Dixie Highway in Palm Bay, Florida. There is a diesel generator on the property and that appears to be the only REC. There are a few other off site concerns and was wondering if you had information regarding them.

**Palm Bay Marina**

4350 SE Dixie Highway  
Palm Bay, Florida  
Facility Id: 8841462  
Clean-up: Required  
Status: On Going

**Former Palm Bay Shell Gas Station**

4371 SE Dixie Highway  
Palm Bay, Florida  
Facility Id: ?

**ARA 24 Seven Auto Repair**

4371 SE Dixie Highway  
Palm Bay, Florida  
Facility Id: 8518323  
NFA

Thank you in advance for your help.  
Have a Great Week!

Sincerely,

**Charles R. Sabas, CIEC**

Environmental Department Manager  
Universal Engineering Sciences, Inc.  
820 Brevard Avenue  
Rockledge, Florida 32955  
(321) 638-0808 office  
(321) 638-0978 fax  
(321) 288-8140 mobile

Universal Engineering Sciences, Inc.  
803 South Kings Highway  
Fort Pierce, Florida 34945  
(772) 461-9815 office  
(772) 461-9816 fax

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9/27/2010

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## Charles Sabas

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**From:** Charles Sabas  
**Sent:** Tuesday, September 28, 2010 10:52 AM  
**To:** thomas.henderson@imagineschools.com; thomas.cole@imagineschools.com  
**Cc:** rghiotto@fit.edu  
**Subject:** 4400 Dixie Highway Palm Bay Property

Gentleman,

I have conducted an Environmental Site Assessment (ESA-I) of the property formal referred as the Chancellor Charter School located in Palm Bay, Florida. I have some questions regarding the on site generator (brand name, fuel type, location and size of tank, maintenance records, any reported discharges) to complete my findings and prepare the report.

I have also attached a questionnaire that will be a great help with the assessment.

Please answer my generator questions and complete the questionnaire and return at your earliest convenience as the final report is due to FIT Friday.

Thanks for your help and please call if you have any questions.

Sincerely,

**Charles R. Sabas, CIEC**

Environmental Department Manager

Universal Engineering Sciences, Inc.

820 Brevard Avenue

Rockledge, Florida 32955

(321) 638-0808 office

(321) 638-0978 fax

**(321) 288-8140 mobile**

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Phase I ESA ASTM E 1527-05  
User Questionnaire

Person Completing Questionnaire: CHRISTIAN PASCOE Date: 9/30/10

Relationship to Subject Property: Development Director Project Name: JMAGNE RIVERS EDGE

**Introduction:**

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 the user (client) must provide the following information (if available) to the environmental professional (Universal). Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

**Questions:**

1. Are you aware of any environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state or local law? NOT AWARE = N/A from this point on...
2. Are you aware of any activity and land use limitations such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law? yes - see records
3. As the user of this ESA do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? SCHOOL USE.
4. Does the purchase price being paid for the subject property reasonably reflect the fair market value of the subject property? Below market value and below appraised value of \$1.2 - 1.6 million.
  - a. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present on the at the subject property? N/A
5. Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:
  - A. Do you know the past uses of the subject property? SCHOOLS
  - B. Do you know of specific chemicals that are present or once present at the subject property? N/A
  - C. Do you know of spills or other chemical releases that have taken place at the subject property? N/A
  - D. Do you know of any environmental cleanups that have taken place at the subject property? N/A
6. As the user of this ESA, based on your knowledge and experience related to the subject property are there any obvious indicators that point to the presence or likely presence of contamination at the property? N/A

To properly evaluate the property consistent with good commercial and customary practices, Universal requests that if any of the following is available that it be provided along with your written authorization to proceed:

1. Please provide, if available, the legal description of the subject property. *See agent*
  
2. Do you have any prior environmental documents (including, but not limited to Phase I ESAs) for the subject property? If so, is a copy available for review? *Possible*
  
3. Please provide, if available, the contact information for the site manager, for site access and interviewing. *SAME*
  
4. Please provide, if available, the contact information for the current and previous subject property owner. *SAME*
  
5. Please provide, if available, a tax map, boundary survey, or plot plan of the subject property. *See agent*
  
6. What is the intended use of the subject property? *SCHOOL*
  
7. Do you have a fifty (50) year chain of title available for the subject property? If so, are you able to provide a copy? *TITLE SEARCH*
  
8. Please provide the reason why this Phase I ESA is required. *sale*
  
9. Please provide all parties who will rely on this Phase I ESA report. *Buyer / Seller*
  
10. Type of Property Transaction:  
Purchase of property       Financing of property       Sale of property   
Ground Lease       Build to Suit Lease       Other \_\_\_\_\_

**Phase I ESA  
ASTM E 1527-05  
User's Responsibilities**

Introduction:

Based on the ASTM E 1527-05 standard, a user is defined as the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of the property, a potential tenant of the property, an owner of the property, a lender, or a property manager. **The user has specific obligations for completing a successful application of this practice as outlined in Section 6.**

**Section 6.0 User's Responsibilities:**

- 1.1. Scope-The purpose of this section is to describe tasks to be performed by the user that will help identify the possibility of recognized environmental conditions (RECs) in connection with the property. These tasks do not require the technical expertise of an environmental professional and are generally not performed by environmental professionals performing a Phase I Environmental Site Assessment (ESA).
- 1.2. Review Title and Judicial Records for Environmental Liens or Activity and Use Limitations (AULs)-Reasonably ascertainable recorded land title records and lien records that are filed under federal, tribal, state, or local law should be reviewed to identify environmental liens or AULs, if any, that are currently recorded against the property. Environmental liens and AULs that are imposed by judicial authorities may be recorded or filed in judicial records, and, where applicable, such records should be reviewed. Any environmental liens or AULs so identified shall be reported to the environmental professional conducting a Phase I ESA. Unless added by a change in the scope of work to be performed by the environmental professional, this practice does not impose on the environmental professional the responsibility to undertake a review of recorded land title records and judicial records for environmental liens or AULs. **The user should either (1) engage a title company or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens and AULs currently recorded against or relating to the property, or (2) negotiate such an engagement of a title company or title professional as an addition to the scope of work to be performed by the environmental professional.**
  - 6.2.1 Reasonably Ascertainable-Except to the extent that applicable federal, state, local, or tribal statutes, or regulations specify any place other than recorded land title records for recording or filing environmental liens or AULs or specify records to be reviewed to identify the existence of such environmental liens or AULs, environmental liens or AULs that are recorded or filed any place other than recorded land title records are not considered to be reasonably ascertainable.
- 6.3. Specialized Knowledge or Experience of the User-If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional. The user should do so before the environmental professional conducts the site reconnaissance.
- 6.4. Actual Knowledge of the User-If the user has actual knowledge of any environmental lien or AULs encumbering the property or in connection with the property, it is the user's responsibility to communicate such information to the environmental professional. The user should do so before the environmental professional conducts the site reconnaissance.
- 6.5. Reason for Significantly Lower Purchase Price-In a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property were not contaminated, and make a written record of such explanation. Among the factors to consider will be the information that becomes known to the user pursuant to the Phase I ESA. This standard does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property.
- 6.6. Commonly Known or Reasonably Ascertainable Information-If the user is aware of any commonly known or reasonably ascertainable information within the local community about the property that is material to RECs in connection with the property, it is the user's responsibility to communicate such information to the environmental professional. The user should do so before the environmental professional conducts the site reconnaissance.
- 6.7. Other-Either the user shall make known to the environmental professional the reason why the user wants to have the Phase I ESA performed or, if the user does not identify the purpose of the Phase I ESA, the environmental professional shall assume the purpose is to qualify for an LLP to CERCLA liability and state this in the report. In addition to satisfying one of the requirements to qualify for an LLP to CERCLA liability, another reason for performing a Phase I ESA might include the need to understand potential environmental conditions that could materially impact the operation of the business associated with the parcel of commercial real estate. The user and the environmental professional may also need to modify the scope of services performed under this practice for special circumstances, including, but not limited to, operating industrial facilities or large tracts of land (large areas or corridors).

OWNER INTERVIEW QUESTIONNAIRE

Subject Property: TUAPINE RIVER'S EDGE

Name of Interviewee: CHRISTIAN CASANO Date: 9/30/10

Relationship to Subject Property: Developer Director

1. Are you aware of any environmental concerns regarding the subject property or adjoining properties?

N/A

2. Are you aware of any underground storage tanks, aboveground storage tanks or other storage or use of petroleum products or hazardous materials at the subject property?

Possible natural gas

3. Are you aware of any environmental site assessment reports, environmental compliance audit reports that exist for the subject property? If so, can you provide a copy?

possible

4. Are you aware of any environmental permits for the subject property, e.g. solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits? If so, can you provide a copy?

SEE AGENT

5. Are you aware of any registrations for underground storage tanks or aboveground storage tanks at the subject property? If so, can you provide a copy?

N/A

6. Are you aware of any Material Safety Data Sheets for any chemicals and/or products stored or used at the subject property? If so, can you provide a copy?

N/A

7. Is there a Community Right-to-Know Plan for the subject property? If so, can you provide a copy?

Don't know



OWNER INTERVIEW QUESTIONNAIRE

8. Are there any safety plans, preparedness and prevention plans, spill prevention, countermeasure, and control plans for the subject property? If so, can you provide a copy?

ADT occupied

9. Are there any reports regarding hydrogeologic conditions on the subject property or in the surrounding area? If so, can you provide a copy?

None

10. Are you aware of any past, pending or threatened litigation or administrative proceeding relevant to hazardous materials or petroleum products in, on or from the subject property? If so, can you provide a copy?

N/A

11. Are you aware of any government notices regarding any possible violations of environmental laws or liabilities relating to hazardous substances or petroleum products at the subject property? If so, can you provide a copy?

N/A

12. Are you aware of any past or current environmental liens or activity and use limitations on the subject property? If so, can you provide a copy?

N/A

13. Are you aware of any hazardous waste generator notices or reports pertaining to the subject property? If so, can you provide a copy?

N/A

14. Are you aware of any geotechnical studies, risk assessments or recorded activity use limitations for the subject property? If so, can you provide a copy?

Possible

15. How long have you owned the subject property?

See asset.

OWNER INTERVIEW QUESTIONNAIRE

16. Do you have any knowledge of prior usage of the subject property or adjoining properties?

N/A prior school use

17. Who provides the water, sewer, and electrical power services to the subject property?

possibly city of PALM BAY

18. Who is the key site manager?

SEE AGENT

X



Interviewee's Signature

Please include any additional information in the section below:

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**Charles Sabas**

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**From:** Charles Sabas  
**Sent:** Tuesday, September 28, 2010 11:26 AM  
**To:** Thomas Henderson  
**Subject:** RE: 4400 Dixie Highway Palm Bay Property

Thanks for the update. This information helped with the assessment.  
Will you be able to complete the questionnaire?

**Charles R. Sabas, CIEC**  
Environmental Department Manager  
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**From:** Thomas Henderson [mailto:Thomas.Henderson@imagineschools.com]  
**Sent:** Tuesday, September 28, 2010 11:09 AM  
**To:** Charles Sabas; Thomas Cole  
**Cc:** rghiotto@fit.edu  
**Subject:** RE: 4400 Dixie Highway Palm Bay Property

Hello I am not sure on the brand of the generator, its maybe 80-150 KW, but it runs on LP. The tank is buried next to the generator, and also feeds the kitchen. The generator is 3 phase, and the engine is a water cooled 6 cylinder. It is located in the fenced in area next to the back building. There are 2 large automatic switchovers located in the electrical room closet to the generator.  
Any questions feel free to call 321-394-5269

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**From:** Charles Sabas [mailto:csabas@universalengineering.com]  
**Sent:** Tuesday, September 28, 2010 10:52 AM  
**To:** Thomas Henderson; Thomas Cole  
**Cc:** rghiotto@fit.edu  
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