

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

11805 North US Highway 41 Palmetto, Manatee County, Florida

REPORT

Submitted To: Mr. Rick Jensen Florida Biomass Energy, LLC 9040 Town Center Parkway Bradenton, FL 34202

Submitted By: Golder Associates Inc. 5100 W. Lemon Street Suite 208 Tampa, FL 33609

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Mr. Rick Jensen Florida Biomass Energy, LLC 9040 Town Center Parkway Bradenton, FL 34202

#### RE: REPORT ON THE PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR THE APPROXIMATE 52-ACRE PARCEL LOCATED AT 11805 NORTH US HIGHWAY 41, PALMETTO, MANATEE COUNTY, FLORIDA (SUBJECT PROPERTY)

Dear Mr. Jensen:

Golder Associates is pleased to present to Florida Biomass Energy, LLC this Phase I Environmental Site Assessment Report for the Subject Property. Information presented in this report is subject to the general limitations presented in the Report and Golder's proposal dated October 25, 2010.

Golder appreciates this opportunity to assist you with your environmental needs. If you have any questions or comments regarding the information presented in this report, please call our office.

Sincerely,

#### **GOLDER ASSOCIATES INC.**

as Crau

Douglas Grant, CHMM Associate and Senior Consultant

ashe Junga

Paola Pringle Project Engineer

cc: Scott Osbourn, Golder Associates Inc. PP/DG/SO



# **Executive Summary**

Florida Biomass Energy, LLC (the User) retained Golder Associates Inc. to perform a Phase I Environmental Site Assessment (ESA) of the approximately 52-acre property located at 11805 north US Highway 41, Palmetto, Manatee County, Florida (the Subject Property). Figure 1 presents the Subject Property location. This Phase I ESA identifies recognized environmental conditions (RECs) in connection with the Subject Property, to the extent feasible, pursuant to the processes prescribed in ASTM Practice E 1527-05, titled "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*" (ASTM Standard); the U.S. Environmental Protection Agency Rule titled "*Standards and Practices for All Appropriate Inquiries; Final Rule*" (AAI Rule), 40 CFR Part 312; the Golder Proposal dated October 25, 2010; and Golder's professional judgment.

This Executive Summary is to be used only in conjunction with the attached Florida Biomass Energy, LLC Project Phase I Environmental Site Assessment report dated December 1, 2010 (the Report). All definitions used in this Executive Summary have the same meanings as in the Report, and the use of this Summary is subject to the limitations and conditions contained in the Report. The Report shall govern in the event of any inconsistency between this Executive Summary and the Report.

Golder identified one potential REC half a mile off the Subject Property at the former Piney Point Phosphoric Products Company. Section 7.0 of this report provides a summary of the REC, de minimis conditions, and data gaps associated with this Phase I ESA.



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- Appendix B Federal and State Regulatory Database Search
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- Appendix D Photographs Taken During the Subject Property Inspection
- Appendix E User Questionnaire
- Appendix F Resumes of Environmental Professionals
- Appendix G Description of the Subject Property's Soil Characteristics



#### **1.0 INTRODUCTION**

#### 1.1 Purpose

Florida Biomass Energy, LLC (the User) retained Golder Associates Inc. (Golder) to perform a Phase I Environmental Site Assessment (ESA) of the approximately 52-acre property located at 11805 north US Highway 41, Palmetto, Manatee County, Florida (the Subject Property). Figure 1 presents the Subject Property location. This Phase I ESA identifies recognized environmental conditions (RECs) in connection with the Subject Property, to the extent feasible, pursuant to the processes prescribed in ASTM Practice E 1527-05, titled "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*" (ASTM Standard); the U.S. Environmental Protection Agency (USEPA) Rule titled "*Standards and Practices for All Appropriate Inquiries; Final Rule*" (AAI Rule), 40 CFR Part 312; the Golder proposal dated October 25, 2010; and Golder's professional judgment. Golder representatives performed the Phase I ESA in conformance with these criteria.

The AAI Rule states that the ASTM Standard may be used to comply with the requirements of the AAI Rule, so whenever reference is made in this Report to the ASTM Standard, it shall include the AAI Rule.

The ASTM Standard defines RECs as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws."

#### **1.2 Scope of Services**

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

#### Records Review

- Reviewing property information to confirm the legal description and location of the Subject Property. This information is included in Appendix A.
- Reviewing environmental record sources, including federal and state regulatory databases, to identify facilities with past or current regulatory enforcement actions within applicable distances of the Subject Property as defined in the ASTM Standard. Appendix B presents the regulatory database search report.
- Reviewing physical setting information sources to identify information about the geologic, hydrogeologic, hydrologic, and topographic conditions in the area of the Subject Property. The U.S. Geological Survey (USGS) 7.5-minute topographic map of the area of the Subject Property is shown in Figure 1.
- Reviewing historical record sources to identify past land use activities at the Subject Property and surrounding properties. Appendix C contains selected historical information obtained in the Phase I ESA investigation.



#### Site Reconnaissance

Performing a site visit to the Subject Property and surrounding properties to identify potential sources of chemical and petroleum contamination such as aboveground storage tanks (ASTs), underground storage tanks, potential sources of polychlorinated biphenyls (PCBs), chemicals, and hazardous materials. Surficial evidence of potential RECs such as distressed vegetation, stained soils, and/or stained paving was also evaluated. Appendix D contains photographs taken during the site reconnaissance.

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#### **Interviews**

Interviewing available individuals with knowledge of current or historical use, storage, or disposal of potentially hazardous materials or other environmentally related activities on or adjacent to the Subject Property. Appendix E presents information provided by these individuals.

#### Report Preparation

Preparing a report that documents the findings, opinions, and conclusions of the Phase I ESA investigation conducted at the Subject Property, and provides the supporting documentation and references for those findings, opinions, and conclusions (the Report). Appendix F presents resumes for the environmental professionals who performed the assessment and prepared this Phase I ESA Report.

#### **1.3 Limitations and Exceptions**

Golder performed its services in accordance with the following principles, which are an integral part of the ASTM Standard: (i) No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property, and the ASTM Standard recognizes reasonable limits of time and cost. (ii) "All appropriate inquiry" does not mean an exhaustive assessment of a property. Golder performed this ESA in conformance with the ASTM Standard's principle of identifying a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. (iii) Not every property warrants the same level of assessment—the type of property subject to the assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry guided the appropriate level of assessment for this ESA. (iv) ESAs must be evaluated based on the reasonableness of judgments made at the time and the circumstances under which they were made. Subsequent ESAs should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

#### **1.4 Special Terms and Conditions**

No special terms and conditions apply to this ESA, except that Golder was not able to conduct an interview with the current owner of the Subject Property.



#### 1.5 User Reliance

Golder has prepared this Report at the request of the User for the purpose identified by the User in Section 3.6. Use of the information contained in this Report by anyone other than the User is permissible only with Golder's prior written authorization, and only under the conditions allowed by the ASTM Standard. Golder is not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this Report.



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#### 2.0 PROPERTY DESCRIPTION

#### 2.1 Location and Legal Description

The Subject Property is physically located at 11805 north US Highway 41, approximately seven miles northeast of the city of Palmetto, in Manatee County, Florida. Patron Holdings, LLC currently owns the approximately 52-acre parcel of land, most of which is for agricultural use. The Subject Property consists of two adjacent parcels along with an approximate 1.4 acre extension in the northwest corner that lies on the west side of a railroad track. A site location map is shown on Figure 1. Figure 2 depicts a site layout that summarizes approximate locations of observations recorded during the site reconnaissance.

The Subject Property is located in Section 7, Township 33 South, Range 18 East, in Manatee County on the United States Geological Survey (USGS) 7.5-minute, Palmetto, Florida topographic quadrangle map. The center of the Subject Property is located at approximately 27° 37′ 8.8″ north latitude and 82° 32′ 29.0″ west longitude.

According to the Manatee County Property Appraiser's website the Subject Property exists on parcel Nos. 602-4000-59 and 600-7000-59 with the following legal descriptions:

- <u>602-4000-59</u> LOT 18, JOHN PIPLACKS SUB, [INSERT "LESS H/W R/W OF ST RD 45"], ALSO LESS TAMPA SOUTHERN RR R/W, [INSERT "ALSO LESS THAT PART INCLUDED IN MAINTAINED ARMSTRONG RD REC IN RP BK 4
- <u>600-7000-59</u> SE1/4 OF SW1/4 LESS 130 FT FOR RR R/W & [INSERT "LESS H/W R/W FOR ST RD 45"], ALSO LESS THAT PART OF THE SE1/4 OF THE SW1/4 OF SEC 7 LYING WEST OF THE RR R/W PI#6024.0005/9C

Appendix A includes property information from the Manatee County Property Appraiser's website for those parcels.

#### 2.2 Site and Vicinity General Characteristics

The Subject Property is relatively flat and an unmaintained orange grove exists on a large portion of the property. The general characteristic of the surrounding area is light industrial and agricultural. Figure 2 depicts the layout of the Subject Property.

#### 2.3 Current Use of the Subject Property

Currently the Subject Property does not appear to be in use.

#### 2.4 Descriptions of Structures, Roads, and Other Improvements on the Subject Property

The Subject Property is bound on the east by US Highway 41, and on the west by a north-south trending ditch that parallels the rail road. An irrigation well is located in the central area of the northern portion of the Subject Property near an electrical power pole with an overhead line that is connected to the north-south line of overhead power that exists near the eastern boundary of the Subject Property along US



Highway 41. No significant paved or unpaved roads, or other improvements, were observed throughout the Subject Property other than the irrigation well, a power pole near the irrigation well, gravel paved Armstrong Road, and a gravel driveway (overgrown with vegetation) on the north side of Armstrong Road, approximately 250 feet west of US Highway 41.

### 2.5 Current Use of the Adjoining Properties

The adjoining property uses are described below:

- South and southeast of the Subject Property is industrial uses. Specifically, adjacent to the South of the Subject Property is GSE Holdings Inc. This property has been listed in EDR's regulatory database search. Information regarding this facility is provided in Section 4.0 of this Report. Commercial industries are located southeast of the Subject Property opposite of US Highway 41 North. Southwest of the Subject Property is agricultural use.
- North of the Subject Property is predominantly industrial non-commercial uses, with some agricultural use to the northwest. The Florida Power and Light Company (FPL) Buckeye Substation is to the immediate north of the Subject Property. The Ajax Paving Industries Inc. property lies north of the FPL Buckeye Substation. The Commercial Carrier Corporation property lies north of the Ajax Paving Industries Inc. To the northeast of the Subject Property is located the Piney Point Phosphate facility. Except for the Piney Point Phosphate facility, all other properties have been listed in EDR's regulatory database search. Information regarding these facilities is provided in Section 4.0 of this Report.
- West of the Subject Property is predominantly agricultural.
- East of the Subject Property is US Highway 41 North, a four-lane highway that runs north/south. Based on the information provided by the Manatee County Appraiser's website, the parcel of land to the northeast of the Subject Property opposite US Highway 41 North is owned by FPL and its land description is vacant-residential. To the east of the northern parcel of the Subject Property is the property of Mr. Wayne R. Underhill and its land description is vacant-industrial. To the east of the southern parcel of the Subject Property is LB & D Properties, which is vacant-acreage. South Swell Properties, LLC owns the parcel southeast of the Subject Property. This property is described as being vacant-commercial.



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#### 3.0 USER-PROVIDED INFORMATION

The ASTM Standard defines the User as the party seeking to use Practice E 1527 to complete an ESA of the Subject Property. The ASTM Standard requires the User to provide certain information to the environmental professional. Golder has provided a User Questionnaire to Mr. Rick Jensen, President of Florida Biomass Energy, LLC, to facilitate the transfer of this information to Golder. Mr. Jensen completed the User Questionnaire on November 2, 2010. A copy of the completed User Questionnaire is provided in Appendix E.

#### 3.1 Environmental Cleanup Liens

Golder representatives asked the User about their knowledge of environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state, or local law. *Mr. Jensen responded that he had no knowledge of such environmental cleanup liens.* 

#### 3.2 Activity and Use Limitations

Golder representatives asked the User about their knowledge of activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place on the Subject Property or have that been filed or recorded in a registry under federal, tribal, state, or local law. *Mr. Jensen responded that he was unaware of any AULs.* 

#### 3.3 Relationship of the Purchase Price to the Fair Market Value

Golder representatives asked the User if the purchase price being paid for the Subject Property reasonably reflects the fair market value of the property. *Mr. Jensen responded that the purchase price reflects fair market value.* 

#### 3.4 Commonly Known or Reasonably Ascertainable Information

Golder representatives asked the User if they were aware of commonly known or reasonably ascertainable information about the Subject Property that would assist the environmental professional in identifying conditions indicative of releases or threatened releases. Golder representatives asked the following questions:

a) Do you know the past uses of the Subject Property?

Mr. Jensen indicated that the Subject Property was used for agricultural use.

b) Do you know of specific chemicals that are present or once were present at the Subject Property?

*Mr.* Jensen responded that he has no knowledge of specific chemicals currently present or once present at the Subject Property.

c) Do you know of spills or other chemical releases that have taken place at the Subject Property?



Mr. Jensen knew of no spills or other chemical releases on the Subject Property.

d) Do you know of any environmental cleanups that have taken place at the Subject Property?

*Mr.* Jensen indicated that to his knowledge, no environmental remedial actions have occurred at the Subject Property.

#### 3.5 The Degree of Obviousness or the Presence of Contamination

Golder representatives asked the User if, based on User's knowledge and experience related to the Subject Property, there are any obvious indicators that point to the presence or likely presence of contamination at the Subject Property. *Mr. Jensen responded that, to his knowledge, there are no obvious indicators.* 

#### 3.6 Reason for Conducting Environmental Site Assessment

Mr. Jensen indicated the Phase I ESA is being conducted as part of the due diligence process for the potential purchase of the property. Should the project move forward the environmental site assessment would be used to satisfy one of the conditions required for landowner liability protection (LLP) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).



#### 4.0 RECORDS REVIEW

#### 4.1 Standard Environmental Record Sources, Federal and State

Golder retained Environmental Data Resources (EDR) to perform an environmental regulatory database search of the general area of the Subject Property, the results of which are presented in Appendix B. In accordance with the search requirements of ASTM Standard E-1527-05, Golder representatives reviewed the federal and state regulatory agency records listed below to identify the use, generation, storage, treatment, or disposal of hazardous substances or petroleum products, or release incidents of such materials that might impact the Subject Property. EDR significant listings (Subject Property and adjacent properties with the potential to impact the Subject Property) found in the environmental regulatory database report are listed below and presented in detail in Table 1. The following table lists databases reviewed during the Phase I ESA, and specifies the approximate minimum search distance of the Federal, State and Tribal ASTM Standard Databases.

#### **Federal ASTM Standard Databases**

Database	Approximate Minimum Search Distance
Federal National Priorities List (NPL)	1.0 mile
Federal delisted NPL site list	0.5 mile
Federal Comprehensive Environmental	0.5 mile
Response, Compensation, and Liability Information System (CERCLIS) site list	
Federal CERCLIS No Further Remedial	0.5 mile
Action Planned (NFRAP) site list	
Federal Resource Conservation and	1.0 mile
Recovery Act (RCRA) Corrective Action	
Tracking System (CORRACTS) facilities list	
Federal RCRA non-CORRACTS Treatment	0.5 mile
Storage and Disposal facilities list	
Federal RCRA Generators list	Subject Property and adjoining properties
Federal Institutional Control/Engineering	Subject Property
Control Registries	
Federal Emergency Response Notification System list	Subject Property



Database	Approximate Minimum Search Distance
State and tribal hazardous waste sites	1.0 mile
identified for investigation or remediation:	
NPL—equivalent sites	
State and tribal hazardous waste sites	0.5 mile
identified for investigation or remediation:	
CERCLIS—equivalent sites	
State and tribal landfill and/or solid waste	0.5 mile
disposal site list	
State and tribal leaking storage tank lists	1.0 mile
State and tribal registered storage tank lists	Subject Property and adjoining properties
State and tribal Institutional	Subject Property
Control/Engineering Control Registries	
State and tribal voluntary cleanup sites	0.5 mile
State and tribal Brownfield sites	0.5 mile
Other Ascertainable Records:	
FINDS/AIRS/FINANCIAL ASSURANCE	Subject Property and adjoining properties
database listings	

# State and Tribal ASTM Standard Databases

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#### 4.1.1 Subject Property Database Listings

The Subject Property is listed on the following databases searched by EDR:

■ AIRS - database listing facilities with air resource management permits. The Subject Property is listed on the AIRS database as *Florida Biomass Energy Manatee Facility*, *LLC*.

#### 4.1.2 Off-Site Properties Database Listings

Golder identified five off-site properties from EDR's databases listings. The EDR report listed these sites on the following databases:

- FINDS The Facility Index System/ Facility Registry System is an index of identification numbers associated with a property or facility that EPA has investigated or has been made aware of in conjunction with various regulatory programs. The off-site facilities listed in the FINDS database are GSE Holdings Inc. and Ajax Paving Industries Inc.
- RCRA-SQG: RCRA Info 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 RCRA. Small quantity generators (SQGs) generate between 100 kilograms (kg) and 1,000 kg of hazardous waste per month. The off-site facilities listed in the RCRA-SQG database are GSE Holdings Inc. and Ajax Paving Industries Inc.
- RCRA-CESQG: The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the 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. The off-site facility listed in the RCRA-CESQG database is *FPL Co. Buckeye Substation*.



- AST The database listing facilities that have registered Aboveground Storage Tanks (ASTs). The facilities listed in the AST database are *Manatee County Utility-Lift Station N1H and Commercial Carrier Corporation.*
- UST The database listing facilities that have registered Underground Storage Tanks (USTs). The facility listed in the UST database is *Commercial Carrier Corporation*.
- LUST The Leaking Underground Storage Tank database contains an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. The facility listed in the LUST database is *Commercial Carrier Corporation*.
- FINANCIAL ASSURANCE 3 The Financial Assurance Information Listing is a financial assurance information database for storage tanks sites. The facility listed under this database is Commercial Carrier Corporation.

#### 4.1.3 Orphans Summary

Several facilities were listed in the EDR report and were shown as "orphan sites." EDR designates an orphan site as one that it has been unable to locate with adequate precision to determine whether the site is pertinent to the ESA of the Subject Property. It is Golder's opinion that the orphan sites listed by EDR were not included on the databases that indicated environmental impairment and/or were not within the specified database search distances.

#### 4.2 Additional Environmental Record Sources

In addition to the EDR report, Golder was able to review on-line the Florida's Department of Environmental Protection (FDEP) OCULUS database and the FDEP's Solid Waste Facility Locator. The databases listed the below solid waste facilities within half a mile to a mile of the Subject Property. These facilities were not reported by EDR.

<u>Sea Force IX</u> - located at 12277 US Highway 41 North Palmetto, FL 34221. This facility is located north, within half a mile of the Subject Property. This facility is a hazardous waste generator. Based on the documents provided in Oculus, a RCRA compliance inspection at the facility was conducted on August 22, 2007. Sea Force IX was found in violation of two RCRA regulations governing universal waste generators. However, the facility achieved compliance as reported on FDEP's letter dated October 8, 2007.

<u>FPL Manatee Fuel Oil Supply Service</u> located northwest, within half a mile of the Subject Property is on FDEP's Solid Waste Locator database. However, there are no documented violations reported in OCULUS.

<u>Tilectron Industries Inc</u> located at 12297 US Highway 41 North, Palmetto, FL 34221. This facility is located north, within a mile of the Subject Property. This facility is a hazardous waste generator. Based on the FDEP document dated December 23, 2003, provided in Oculus, the status of the facility is "closed and/or moved".

<u>Bredero Price Co.</u> located at 13100 Reeder Rd, Palmetto, FL 34221. This facility is located northwest, within a mile of the Subject Property. This facility is a hazardous waste generator. Based on the FDEP document dated January 24, 2002, provided in Oculus, the status of the facility is "closed and/or moved".

<u>Rivolta Marine Inc.</u> located at 13340 Reeder Road, Palmetto, FL 34221. This facility is located northwest, within a mile of the Subject Property. The facility is a small quantity generator. This



facility was in compliance with RCRA regulations governing conditionally exempt small quantity generators as reported on FDEP's letter dated February 13, 2002.

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<u>Piney Point Phosphoric Products Co.</u> located at 13300 Highway 41 North Palmetto, FL 34221. This facility is located northeast, within half a mile of the Subject Property. Based on the information provided on–line by FDEP's Bureau of Waste Management, prior to 2000, this facility, known as Piney Point Phosphates, Inc. (PPP or Piney Point) operated a phosphate fertilizer manufacturing complex. The complex consisted of: (1) a sulfuric acid plant with associated molten sulfur storage tanks; (2) a phosphoric acid plant with an associated phosphogypsum stack system; (3) an ammoniated phosphate fertilizer plant with storage of ammonia, phosphoric acid, and dry products; and (4) the infrastructure necessary to support these operations. The existing phosphogypsum stack system at the site is comprised of an old and relatively newer gypsum stack, each incorporating two 50 to 70-foot high impoundments, two contact process water ponds, and a network of seepage and storm water runoff collection ditches encompassing a total watershed of approximately 457 acres.

Granular fertilizers were produced at Piney Point between 1966 and 1999 by reacting phosphoric acid and anhydrous ammonia. Phosphoric acid was manufactured on-site by reacting phosphate rock with sulfuric acid, from which phosphogypsum (gypsum) was formed as a by-product. The manufacturing operations ran or were idle under various ownerships until operated by Piney Point Phosphates, Inc., for five months during 1999. The plant was again idle in November 1999.

In January 2001, the FDEP assumed responsibility for Piney Point Phosphates after the owners, Mulberry Corporation, fell into financial difficulties. The FDEP assumed the responsibility for cleaning up a 1.2 billion gallon acidic wastewater spill and the management of the 70-foot phosphogypsum stacks. In April 2003, due to excessive heavy rains, the approaching hurricane season and the increasing level of wastewater in the stacks, the U.S. Environmental Protection Agency (EPA) issued an emergency permit to the Department allowing the agency to remove and transport up to 534.7 million gallons of treated wastewater from Piney Point. The dispersement of treated wastewater took place in the Gulf of Mexico for a period of approximately five months.<sup>1</sup>

Ardaman & Associates, Inc. prepared a Groundwater Quality Evaluation report for the Piney Point Phosphogypsum Stack System, in June 2004. Reportedly, the study included a review of published literature, evaluation of results of regional as well as site-specific historic geotechnical, hydrogeologic, and groundwater information; evaluation of results from sampling of groundwater monitor wells at the site, and performance of a geophysical electromagnetic terrain conductivity survey along selected transects of interest. According to the FDEP, the report stated that based on the available data there was little threat to public health from any on-site groundwater impacts because elevated constituent concentrations were predominantly contained on the Piney Point Plant property and the groundwater plume has apparently only impacted the upper 20-25 feet of the unconfined surficial aquifer system at the site at the time the report was prepared.<sup>2</sup>

Golder contacted FDEP's Bureau of Mining & Minerals Regulation to determine the current status of the former Piney Point facility. Mr. Sam Zamani, the Administrator of the Phosphate Management group, stated that Piney Point site closure activities are in their last phase and final closure is anticipated for April of 2011.

Golder reviewed the following environmental-related document relating to the Subject Property, provided by Florida Biomass Energy, LLC: *Phase I Environmental Site Assessment and Phase II Site Investigation, 11551 & 11805 US Highway 41 North, Palmetto, Florida*, prepared by Enviro-Audit & Compliance, Inc., prepared for Jackson Holdings, LLC, on March 2006.

<sup>&</sup>lt;sup>2</sup> Document entitled "Summary of Results, Groundwater Quality Evaluation, Piney Point Phosphogypsum Stack System, Manatee County, Florida", by Ardaman & Associates, Inc. dated June 24, 2004 (File Number: 02-13-099E).



<sup>&</sup>lt;sup>1</sup> FDEP Piney Point document entitled "Background Information FDEP – ITN NO. 2005002C".

#### 4.3 Physical Setting Sources

#### 4.3.1 Sources Reviewed

Golder reviewed the most recent USGS 7.5-minute topographic map, recent aerial photographs (2009), EDR's GeoCheck Physical Setting Source Addendum report, and the U.S. Department of Agriculture's (USDA) Soil Survey publication for Manatee County. In addition, Golder reviewed historical USGS 7.5-minute topographic maps and aerial photographs; these are detailed in Section 4.4.2.

#### 4.3.2 General Topographic Setting of the Area

The general topographic gradient of the area is generally to the west-northwest towards Bishop Harbor and Tampa Bay. Based on the USGS topographic map, the Subject Property's elevation is approximately 4 feet (ft), with the highest elevation to the east, with a reported elevation of 31 ft, and the lowest to the east, reported by EDR's GeoCheck to be approximately 1 ft.

#### 4.3.3 Geologic and Hydrogeologic Setting

The Subject Property is located in the northwest quadrant of Manatee County near the mouth of Tampa Bay. Manatee County is located in west-central Florida on the Gulf Coast.

Based on EDR's GeoCheck Physical Setting Source Summary report, the Subject Property's elevation is approximately 4 ft above sea level. According to the USDA Soil Conservation Service (SSURGO) data, reported in the EDR, the local natural soils classification of the Subject Property is Bradenton, Wabasso, EauGallie, Floridiana, Delray, Wulfert, and Chobee soils, which all consist of hydrologic group class B/D. Class B/D consists of drained/undrained hydrology class of soils that can be drained and are classified. The Bradenton, Wabasso, EauGallie, Floridiana, and Delray are fine sands with high to moderate corrosion potential. Wulfurt soils are muck soils consisting of hydrologic group class D. Class D soils have very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer. These soils have high corrosion potential. Chobee soils are loamy fine sand soils consisting of hydrologic group class B/D with very slow infiltration rates. These soils have moderate corrosion potential. The characteristic depth to water table for the Bradenton, Wabasso, and EauGallie soils is greater than 31 inches. The characteristic depth to water table for the Wulfert, Chobee, Floridiana, and Delray soils is greater than 8 inches.

According to the USDA Soil Survey publication for Manatee County, the Subject Property soil classification is Bradenton fine sand, Chobee loamy fine sand, EauGallie fine sand, Floridiana fine sand, Wabasso fine sand, Delray mucky loamy fine sand, and Wulfert-Kesson association. A description of the characteristics of the Subject Property's soil types is provided in Appendix G.

Reportedly, the subsurface stratigraphy in the local vicinity of the Subject Property consists of a stratified sequence of sedimentary rocks from the Miocene epoch of the Tertiary period of the Cenozoic era.



#### 4.3.4 Surface Water and Hydrologic Setting

Based on EDR's GeoCheck Physical Setting Source Addendum report, the Subject Property is located in a 100-year flood zone<sup>3</sup>. In addition, it is visible from the topographic maps that streams originating further east of the Subject Property flow into ditches surrounding the Subject Property that eventually flow westward into Bishop Harbor.

Evidence of a site-specific, surficial aquifer groundwater flow direction was not ascertained during this Phase I ESA. However, groundwater flow direction is suspected to be generally sloping westward towards Bishop Bay based on the area's topographic relief reported in EDR GeoCheck Physical Setting Source Addendum report. This groundwater flow direction may vary within the Subject Property based on topography, drainage features, and the proximity of wetlands.

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

#### 4.4.1 Subject Property Historical Use Summary

Patron Holdings, LLC currently owns the Subject Property. Based on the information provided by the Manatee County Property Appraiser's website the Subject Property was purchased by Patron Holding LLC in April 2005 from Parsons Brown Oranges Inc., which used it as a citrus grove. No other information is known of the previous owners of the Subject Property.

Based on the information provided by Mr. Rick Jensen in the User Questionnaire (described in Section 3.4 of this Report), the Subject Property historically was used for agricultural.

According to information from the FDEP's Bureau of Waste Cleanup, cattle dip vats were routinely used in cattle operations in the 1910s through the 1950s. Cattle vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. By state law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Since no historic maps were compiled to record the locations of the dip vats, the locations of most vats are unknown except as reported by long-term residents of the area and as "discovered" via environmental audits. Therefore, the discovery of dip vats on a subject property is often limited to the direct observations made during the site reconnaissance or by obtaining information from individuals with historical knowledge of the vats.

Thus, the 100-year flood could occur more than once in a relatively short period of time. The 100-year flood, which is the standard used by most Federal and state agencies, is used by the NFIP [National Flood Insurance Program] as the standard for floodplain management and to determine the need for flood insurance. A structure located within a special flood hazard area shown on an NFIP map has a 26 percent chance of suffering flood damage during the term of a 30 year mortgage. (Last Updated: 01/04/2007)



<sup>&</sup>lt;sup>3</sup> The Federal Emergency Management Agency's (FEMA) *Principles and Practices for the Design and Construction of Flood Resistant Building Utility Systems* (dated November 1999) defines the 100-year flood as the flood that has a one-percent chance of being equaled or exceeded in any given year. It is also known as the Base Flood. FEMA further explains (May 5, 2010 <u>http://www.fema.gov/faq/faqDetails.do?action=Init&faqId=1014</u>):

No cattle vats were identified in the EDR Report on its review of the Florida Cattle Dipping Vats database for the Subject Property. No obvious visual evidence of cattle dip vats was noted during the site reconnaissance. Records showing that dipping was performed on the Subject Property were not found.

#### 4.4.1.1 Aerial Photographs Review

Golder representatives obtained historical aerial photographs from EDR for the years 1940, 1951, 1969, 1977, 1987, 1998, 2005, and 2006. In addition, Golder obtained historical aerial photographs from the University of Florida Aerial Photography Digital Library available online (<u>http://ufdc.ufl.edu/?c=flap</u>) for the years 1938, 1948, 1951, 1957, 1968, and 1970. Selected historical aerial photographs are provided in Appendix C. The following discussion summarizes observations from the review of these aerial photographs.

- 1938 US Highway 41 which lies to the east of the Subject Property boundary is visible on this aerial. Railroad tracks are visible to the west of the Subject Property. Armstrong Road traverses the site as it does today. The southern portion of the Subject Property is wetland surrounded by dense vegetation. South of Armstrong Road is open grassland with scattered trees. The northwestern corner of the Subject Property appears vegetated. The northeastern portion of the Subject Property appears cleared for agricultural use. There are no visible structures on the Subject Property.
- <u>1940</u> The characteristics of the Subject Property and vicinity appear similar to those found in the 1938 aerial photograph.
- <u>1948</u> The general characteristics of the Subject Property appear similar to those found in the 1940 photograph; however, linear features, which appear to be drainage swales and/or crop rows, are visible on the northeastern portion of the Subject Property and on the centralized grassland portion of the Subject Property, south of Armstrong Road. Small structures are visible in the southern parcel of the Subject Property along Armstrong Road near the east and west property boundary. A structure is also visible near the irrigation well in the northeastern portion of the Subject Property.
- <u>1951</u> The characteristics of the Subject Property appear similar to those found in the 1948 aerial photograph.
- <u>1957</u> The characteristics of the Subject Property appear similar to those found in the 1951 aerial photograph.
- <u>1968</u> The characteristics of the northwestern corner and southern portion of the Subject Property appear similar to those found in the 1957 aerial photograph. Well developed rows of citrus are visible on the northeastern portion of the Subject Property and on the centralized portion of the Subject Property, south of Armstrong Road. 1969 and 1970 aerial photographs were also available for the Subject Property; however, no significant changes are visible on these aerials.
- <u>1987</u> The characteristics of the Subject Property appear similar to those found in the 1970 aerial photograph.
- <u>1998</u> The characteristics of the Subject Property appear similar to those found in the 1987 aerial photograph. The citrus grove appears less maintained with some patches of uneven rows of trees.
- <u>2005 and 2006</u> The Subject Property on these aerials appears as-is-today, relatively unchanged from the 1998 aerial. However, a patch of trees on the northeastern portion of



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the citrus grove appears to have been eradicated; possibly due to a citrus canker bacteria infestation. Industrial activities appear to be developing to the north, east, and south of the Subject Property.

#### 4.4.1.2 Sanborn© Fire Insurance Map Review

Golder representatives requested historical Sanborn Fire Insurance Maps from EDR, which informed Golder that fire insurance maps covering the target property were not found in the complete holdings of the Sanborn Library, LLC collection. Appendix C contains a copy of the Sanborn Map report.

#### 4.4.1.3 Property Tax Files

Golder representatives obtained parcel information from the Manatee County Property Appraiser's website (<u>http:// www.manateepao.com/</u>). A copy of the records is provided in Appendix A. The Subject Property Tax records report the current market value of the parcel. In addition, it delineates the Subject Property's boundary and indicates the legal description and the property usage, which is vacant industrial (4000).

#### 4.4.1.4 Recorded Land Title Records

Golder did not conduct a title search as part of this Phase I ESA.

#### 4.4.1.5 Historical Topographic Map Review

Golder representatives obtained historical USGS topographic quadrangle maps from EDR for the years 1944, 1964, 1969, 1981, and 1987. Copies of the historical topographic maps are provided in Appendix C. The following paragraphs summarize Golder's observations from the review of these historical topographic maps.

- 1944 A grid-like system typical for agricultural use is observed on the northern parcel of the Subject Property. The southern parcel along with the approximate 1.4 acre parcel extension in the northwest corner of the Subject Property, to the west of the railroad track, appears undeveloped. The land surface elevations at the Subject Property appear sloping westward. A water body with streams flowing into Bishop Harbor is visible on the Subject Property. There is a visible structures north of the body of water. In addition, what appear to be possibly irrigation ditches or canals surround the Subject Property. US Highway 41 to the east and the Atlantic Coast Railroad track to the west of the Subject Property are visible on this map.
- <u>1964</u> The Subject Property appears to be unchanged and similar to that in 1944. However, a small road leading to a structure close to the center of the property is visible. This map shows the land surface of the Subject Property at approximately 5 to 10 feet above sea level. Vegetation is visible along the stream flowing into Bishop Harbor on the southwestern corner of the Subject Property.
- <u>1969</u> The topography of the Subject Property appears to be relatively unchanged and similar to that in 1964. However, the grid-like system typical for agricultural use is now visible throughout the Subject Property.
- <u>1981</u> The topography of the Subject Property appears to be relatively unchanged and similar to that in 1969.



<u>1981</u> The topography of the Subject Property appears to be relatively unchanged and similar to that in 1969. The 1.4 acre parcel extension in the northwest corner of the Subject Property to the west of the railroad track still appears undeveloped on this map.

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#### 4.4.1.6 Local Street Directories

Golder representatives requested a search of Local Street Directories from EDR. Their search included the years 1931, 1961, 1966, 1971, 1976, 1981, 1986, 1992, 1999, and 2006. There are no listings for the Subject Property and its adjoining properties for those years. A copy of the local street directories report is provided in Appendix C

#### 4.4.1.7 Building Department Records

Golder did not review building department records for the Subject Property.

#### 4.4.1.8 Zoning and Land Use Records

Golder reviewed the Subject Property's land use and zoning information through the Manatee County Property Appraiser's website. According to this data source, the Subject Property is zoned as industrial land.

#### 4.4.1.9 Other Historical Records

Golder did not review any additional historical records.

#### 4.5 Historical Use Information on Adjoining Properties

The following is a summary of historical use information for adjacent properties based on information obtained from the Subject Property visit, a review of historical topographic maps and aerial photographs.

- <u>North</u> The area directly north of the Subject Property appears to have been used for agricultural activities until the late 1970s. Industrial use is evident from the mid-1980s onward.
- <u>South</u> The area directly south of the Subject Property appears to have been used what appears to be citrus as early as the 1940s. Mid-1990s the property appears to have been cleared. Industrial use is evident in the 2005 aerial.
- <u>West</u> The area directly west of the Subject Property appears to have been used for agricultural use from the 1940s onwards.
- <u>East</u> The area directly east of the Subject Property appears to have been predominantly used for agricultural activities from the 1940s to the mid-1980s. In the 1987 aerial it appears that the parcel adjacent to the southern portion of the Subject Property has been cleared, possibly for mining purposes.



#### 5.0 SITE RECONNAISSANCE

A Golder representative performed a visual assessment of the Subject Property to identify potential sources of chemical and petroleum contamination. The Golder representative assessed surficial evidence of potential impacts such as waste or refuses dumping, distressed vegetation, stained soils, and/or stained paving. Appendix D presents photographs taken during the site assessment.

#### 5.1 Methodology and Limiting Conditions

On November 5, 2010, Gregory O'Neal, Golder project geologist, conducted a site reconnaissance of the Subject Property. Mr. O'Neal walked the majority of the perimeter of the Subject Property and walked through sections that were of potential environmental interest. Because of dense vegetation on the Subject Property, Mr. O'Neal did not perform a walk-through of the entire site. Mr. O'Neal was unaccompanied during the site reconnaissance and was not denied access to any areas of the Subject Property.

The sections of the Subject Property that were surrounded by heavy vegetation were not observed during the walk-through and the drive-through due to the obstructions caused by the thick vegetation. Weather conditions at the time of the site reconnaissance were mostly cloudy in the morning to partly cloudy in the afternoon. Field notes and photographs of the Subject Property were taken, and visual observations of the surrounding area were recorded. Photographs of pertinent features identified during the site visit are included in Appendix D.

Observations at off-site properties were performed by drive-by inspections and were limited to evidence of potential environmental concerns that could be seen from public right-of-way locations.

#### 5.2 General Site Setting

The Subject Property was observed to be relatively flat except for subtle undulatory landforms believed to be associated with remnant citrus grove rows.

#### 5.2.1 Current Use of the Subject Property

The current use of the Subject Property is summarized in Section 2.3 of this Report.

#### 5.2.2 Past Use of the Subject Property

Past use of the Subject Property is detailed in Section 4.4.1 of this Report.

#### 5.2.3 General Description of Structures

As described in Section 2.4 of this Report.



#### 5.2.4 Roads

Except for the gravel paved Armstrong Road, no significant roadway was observed on the Subject Property.

#### 5.2.5 Potable Water Supply

No potable water supply system was found to be associated with the Subject Property.

#### Sewage Disposal System 5.2.6

No sewage system was found to be associated with the Subject Property.

#### 5.3 Interior and Exterior Observations

Golder evaluated current or past uses likely to involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products, to the extent they were visually and/or physically observed during the Subject Property visit or identified from the interviews or the records review. The following subsections discuss the substances and approximate quantities, types of containers (if any), and storage conditions.

#### 5.3.1 Storage Tanks

Golder did not identify any storage tanks on the Subject Property.

#### 5.3.2 Odors

No unusual odors were detected during the site reconnaissance except as described below in Section 5.3.4 of this Report.

#### 5.3.3 Pools of Liquid

Golder observed no pools of liquid at the Subject Property at the time of the site visit other than what appeared to surface water standing in drainage swales, ponds, and topographic lows.

#### 5.3.4 Drums

A 30-gallon plastic drum was found near the west property line of the parcel located west of the rail road. The drum was found to be approximately 1/3<sup>rd</sup> full of a liquid, labeled in yellow handwriting with the word "Diesel", a bung was missing from the top, and the obvious odor emanating from the bung hole was similar to No. 2 fuel oil (diesel). The drum is shown in photograph 14 of Appendix D of this Report. Based on a telephone conversation between Mr. Jensen and Mr. Douglas Grant of Golder on November 19, 2010, the drum was recently left at its location by local farmers fueling a tractor. The empty portion of the drum contained fuel that was consumed in use and not spilled, and the remaining content of the drum is to be used or properly managed. Consequently, the conditions do not 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.



#### 5.3.5 Hazardous Substance and Petroleum Product Containers

Golder found a 30-gallon drum described above in Section 5.3.4 of this Report.

#### 5.3.6 Unidentified Substance Containers

Golder found what appeared to be an insect trap labeled "CAUTION TOXIC MATERIAL" (see photograph 16 in Appendix D of this Report) hanging from a tree near the southeast corner of the Subject Property.

#### 5.3.7 Evidence of Polychlorinated Biphenyls

There was no obvious evidence of PCBs on the Subject Property.

#### 5.3.8 Heating/Cooling

Heating/cooling apparatus was not found on the Subject Property.

#### 5.3.9 Stains or Corrosion

Golder observed no significant stains at the Subject Property. A pile of metal debris, severely corroded, was found near the west property line of the parcel located west of the rail road (see photograph 15 of Appendix D).

#### 5.3.10 Drains and Sumps

Golder observed no drains or sumps on the Subject Property at the time of the site visit.

#### 5.3.11 Pits, Ponds, or Lagoons

Ponds, pits, or lagoons were not found on the Subject Property.

#### 5.3.12 Stained Soil or Pavement

Golder did not observe stained soil or pavement at the Subject Property.

#### 5.3.13 Stressed Vegetation

Golder did not observe significantly stressed vegetation on the Subject Property.

#### 5.3.14 Solid Waste Disposal

Some wooden pallets and debris that appears to be associated with an irrigation system were found near the west property line of the parcel located west of the rail road (see photographs 12 and 13 of Appendix D).

#### 5.3.15 Waste Water

Golder observed no evidence that industrial wastewater is generated or discharged from the Subject Property at the time of the site visit.



#### 5.3.16 Wells

Golder found an irrigation well on the Subject Property and based on its approximate location and the information provided by EDR, the well permittee is Patron Holdings LLC, it is an 8-inch diameter well with a casing depth of 85 feet and a total depth of 508 feet. Golder found one monitor well near the irrigation well (see photograph 8 of Appendix D). EDR reports numerous wells listed under the Federal USGS and State well databases. A list of these wells is provided in the EDR Radius report in Appendix B of this Report.

#### 5.3.17 Septic Systems

Septic systems were not observed on the Subject Property.

#### 5.3.18 Other Interior and Exterior Observations

Golder did not identify any interior or exterior observations, except those detailed in Section 5.3.

#### 5.4 Off-Site Observations

The following two sections discuss the off-site observations, to the extent that the current uses of the adjoining properties were observable during the Subject Property reconnaissance, and were likely to indicate a REC in connection with the adjoining properties or the Subject Property.

#### 5.4.1 Adjoining Properties

Golder conducted a drive-by reconnaissance of the adjoining properties. The south adjoining property, at 11001 US Highway 41 North, is operated by GSE Holdings Inc. for what appears to be the manufacturing of mobile air conditioning equipment (see www.trilectron.com). Adjoining the Subject Property to the west is the rail road (see photograph 11 of Appendix D), and beyond the rail road appears to be used for raising crops (cucumbers were observed to be growing adjacent to the west of the 1.4-acre extension in the northwest corner of the subject property). Adjoining the Subject Property to the east is US Highway 41, and beyond US Highway 41 is an area that appears to be used by Ajax Paving for stockpiling material associated with the paving industry (see photographs 20 and 21 of Appendix D). A vacant wooded parcel then the FPL Buckeye Substation (see photograph 7) is to the immediate north of the Subject Property and an underground oil pipeline right of way that runs generally east-west exists to the north of the substation. During the Subject Property reconnaissance, there was no visual evidence to indicate the likelihood of RECs in connection with the adjoining properties.

#### 5.4.2 Other Surrounding Properties

Observations of interest made on other surrounding properties were photographed and a log of photographs is provided as Appendix D to this Report. Figure 2 depicts approximate locations from where the photographs were collected. A summary of observations at other surrounding properties is listed below:



The Piney Point Phosphogypsum Stack system and associated pond berm structures are located approximately 1,000 feet northeast of the property (see photographs 1 and 2).

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- At 12205 US Highway 41 N, two ASTs were noted and are believed to be the two listed in Table 1 of this Report (see photographs 4 and 5).
- At 12165 US Highway 41 N (Ajax Paving), approximately 1,300 feet north of the facility, a few totes (approximately 200-gallon to 300-gallon capacity each) were observed to have the DOT Class 3 Flammable Liquid Placard #1993 (see photograph 6).
- At 11006 US Highway 41 N, approximately 1,000 feet south-southeast of the property, an AST labeled as containing hydrogen peroxide and a roll-top container were observed at the lift station (see photographs 17 and 18).
- At 11008 US Highway 41 N, approximately 1,000 feet south-southeast of the property, at least four ASTs were observed and appeared to be used for the storage and dispensing of fuel (see photograph 18 and 19).



#### 6.0 INTERVIEWS

#### 6.1 Overview

The purpose of interviews with past and present owners and occupants is to obtain information indicating RECs in connection with the Subject Property. Information obtained through these interviews is discussed in relevant sections of this Report.

#### 6.2 Interviews with Owners, Past Owners, Past Operators, and Past Occupants

Golder was unable to conduct an interview with the current owner(s), past owner(s), past operator(s), or past occupant(s) of the Subject Property. However based on the information reported in the March 2006 Phase I ESA performed by Enviro-Audit & Compliance Inc., Patron Holdings LLC purchased the Subject Property in 2005 and had not developed the property and had no knowledge of the property's history when Enviro-Audit wrote their report.

The limited information regarding the past historical use of the Subject Property is considered a data gap.

#### 6.3 Interview with Site Manager

Golder was unable to conduct an interview with the site manager.

#### 6.4 Interviews with Local Government Officials

Ms. Ashley Douthirt, External Affairs Coordinator of the Southwest District of the FDEP was contacted. A request for public records was processed, and the results listed the Subject Property's address in the FDEP's AIR database under Florida Biomass Energy, LLC. ID # 0810226. The Subject Property was not listed in any of FDEP's other databases.

In addition, Golder contacted FDEP's Bureau of Mining & Minerals Regulation to determine the current status of the former Piney Point facility. Mr. Sam Zamani, the Administrator of the Phosphate Management group, stated that Piney Point site closure activities are in their last phase and final closure is anticipated for April of 2011.

#### 6.5 Interviews with Others

Golder contacted the Fire Marshall of the North River Fire District, in Palmetto, Florida. The Fire Marshall stated that he is not aware of any recognized environmental conditions at the Subject Property. However, he mentioned that Piney Point is a hazardous waste site close to the Subject Property that has been predominantly cleaned up by the FDEP.



#### 7.0 DISCUSSION

This section identifies the known or suspect RECs, historical RECs, and de minimis conditions identified during the assessment.

#### 7.1 Findings and Opinions

#### 7.1.1 Recognized Environmental Conditions

A REC is defined as the presence or likely presence of any hazardous substance or petroleum products on the Subject Property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substance or petroleum products into structures, the ground or surface water on the Subject Property. Golder identified the former Piney Point facility as an off-site REC.

**FINDING:** The former Piney Point Phosphoric Products Company is located within half a mile of the Subject Property. As detailed in Section 4.2 of this Report, in 2001 FDEP assumed the responsibility for cleaning up the facility's 1.2 billion gallon acidic wastewater spill and the management of the 70-foot phosphogypsum stacks.

**OPINION:** Reportedly, documents show that there is little threat to public health from any on-site groundwater impacts. Elevated constituent concentrations are predominantly contained on the Piney Point Plant property, and the groundwater plume has apparently only impacted the upper 20-25 feet of the unconfined surficial aquifer system at the site. However, it is unknown whether there are any other waste residuals present on-site that might have impacted the soil and groundwater, thus potentially influencing the groundwater quality and potentially impacting the adjoining Subject Property.

#### 7.1.2 Historical Recognized Environmental Conditions

A historical recognized environmental condition (HREC) is an environmental condition which, in the past, would have been considered a REC, but which may or may not be considered a REC currently. Golder's rationale for considering a condition as an HREC is based solely on the information stated herein. Designation as an HREC, however, does not preclude the potential for the condition to affect the Subject Property. Golder did not identify HRECs on the Subject Property.

#### 7.1.3 De Minimis Conditions

De minimis conditions are not recognized environmental conditions. De minimis conditions generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

#### 7.2 Data Gaps

A Data Failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Some Data Failures may constitute Data Gaps. A Data Gap is defined as the lack of or inability to obtain information required



by the ASTM Standard despite good faith efforts by the Environmental Professional (EP) to gather such information. A significant data gap occurs when a data gap impacts the ability of the EP to identify RECs. The limited information regarding the past historical use of the Subject Property is considered a data gap.



#### 8.0 CONCLUSIONS

Golder performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the ASTM Practice E 1527 of the Subject Property located at 11805 north US Highway 41, in Palmetto, Manatee County, Florida. Any exceptions to, or deletions from, this practice are described in the appropriate sections of this Report. This assessment has revealed no evidence of RECs in connection with the Subject Property, except for the findings reported in Sections 7.1 and 7.2 of this Report.



## 9.0 **REFERENCES**

The Report's author annotated the reference sources relied upon in preparing the Phase I ESA in the relevant sections of this Report.



# 10.0 QUALIFICATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Mr. Douglas Grant, Associate and Senior Consultant, has over 26 years of professional experience with environmental site assessments, including numerous ESAs performed according to various ASTM standards. Mr. Grant served as the Quality Assurance/Quality Control (QA/QC) reviewer as well as the Environmental Professional (EP) of the Report. Mrs. Pringle, Project Engineer, with 10 years of professional experience, prepared this Report. Ms. Pringle has completed numerous Phase I ESAs per ASTM International Standard E 1527-05. Gregory O'Neal, Project Geologist, with 10 years of professional experience, conducted the November 5, 2010 site reconnaissance and prepared Section 5.0 of this Report. Resumes for members of the project team are included in Appendix F.

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"We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312.

"We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

#### GOLDER ASSOCIATES INC.

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Douglas Grant, CHMM Associate and Senior Consultant

Jasko Junga

Paola Pringle Project Engineer



#### TABLES

 TABLE 1 - SUMMARY OF TARGET PROPERTY AND OFF-SITE FACILITIES IDENTIFIED IN

 THE ENVIRONMENTAL REGULATORY DATABASE REVIEW

## TABLE 1

# Summary of Target Property and Off-Site Facilities Identified in the Environmental Regulatory Database Review

Facility Name	Database <sup>i</sup>	Distances (miles) Direction from Site	Location Relative to Inferred Groundwater Flow Direction	Comments	Classification
Florida Biomass Energy Manatee Facility, LLC 11805 US Highway 41 N Palmetto FL 34221	AIRS	Subject Property	Groundwater flow direction not identified.	The Subject Property's address is listed under the AIRS database, which is a listing of Air Resources Management permits.	The Subject Property has gone through the process of applying for an air construction permit under the name of Florida Biomass Energy, LLC. FDEP issued Permit No. 08102260-01-AC on 6/18/2010 with expiration date of 12/31/2013. No violations have been reported, thus it is not considered a REC.
FPL Co. Buckeye Substation 12015 US Highway 41 N Palmetto FL 34221 Facility Status: Not Reported	RCRA- CESQG	<1/8 mile N	Groundwater flow direction not identified.	<ul> <li>EDR reports the facility having two waste codes:</li> <li>DOO2 which has a PH of less than 2 or greater than 12.5 is considered to be a corrosive hazardous waste; and</li> <li>DOO8 (lead).</li> <li>EDR reports no violations.</li> </ul>	Due to lack of any documented violations this site is not considered a REC.
Manatee County Utility- Lift Station 11006 US Highway 41 N Palmetto FL 34221 Facility Status: Closed	AST	<1/8 mile S	Groundwater flow direction not identified.	EDR reports the facility having a 550 gallon (gal) AST containing hazardous substance. The tank was installed on 1/1/2000 but has since been removed. The facility's status is closed.	Due to lack of any documented violations associated with the AST, this site is not considered a REC.
<b>GSE Holdings Inc.</b> 11001 US Highway 41 N Palmetto FL 34221 Facility Status: Not	RCRA- SQG/FINDS	<1/8 mile N	Groundwater flow direction not identified.	EDR reports numerous violations for this facility under the RCRA-SQG listing. The evaluation lead agency is the State. Below is a list of the violations and their current status:	Since the status of the violations have all achieved compliance and no further documented violations have

Facility Name	Database <sup>i</sup>	Distances (miles) Direction from Site	Location Relative to Inferred Groundwater Flow Direction	Comments	Classification
Reported				Evaluation date: 02/18/2009 Evaluation: compliance evaluation inspection on-site Area of Violation: State Statute or Regulation Area of Violation: Universal waste _ Small Quantity Handlers Date achieved compliance: 04/23/2009 Evaluation date: 10/25/2007 Evaluation: NOT A SIGNIFICANT NON-COMPLIER Area of Violation: Not Reported Date achieved compliance: Not Reported Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of Violation: Permit Condition or Requirement Date achieved compliance: 09/13/2007 Evaluation date: 09/13/2007 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: Generators - General Date achieved compliance: 10/24/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation compliance: 10/24/2007 Evaluation compliance: 09/18/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation compliance: 09/18/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation compliance: 09/18/2007 Evaluation date: 09/13/2007 Evaluation date: 09/13/2007 Evaluation compliance: 09/18/2007	been reported, this site is not considered a REC.

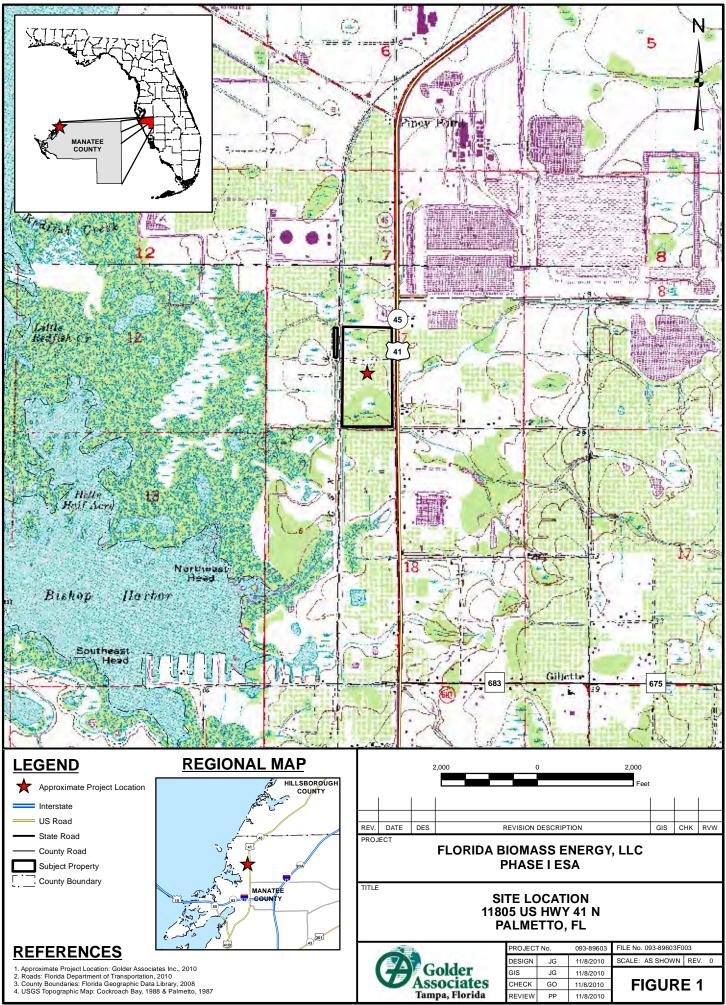
Facility Name	Database <sup>i</sup>	Distances (miles) Direction from Site	Location Relative to Inferred Groundwater Flow Direction	Comments	Classification
				Date achieved compliance: 09/13/2007	
				Evaluation date: 09/13/2007 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: TSD IS-General Facility Standards Date achieved compliance: 09/18/2007	
				Evaluation date: 10/18/2004 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: Used oil – Generators Area of violation: State Statute or Regulation Date achieved compliance: 10/21/2004	
				Evaluation date: 10/18/2004 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: State Statute or Regulation Date achieved compliance: 10/18/2004	
				Evaluation date: 02/01/2002 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of Violation: Not Reported Date achieved compliance: Not Reported	
				Evaluation date: 08/08/2000 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: TSD IS-General Date achieved compliance: 08/08/2001	
				Evaluation date: 08/08/2000 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE	

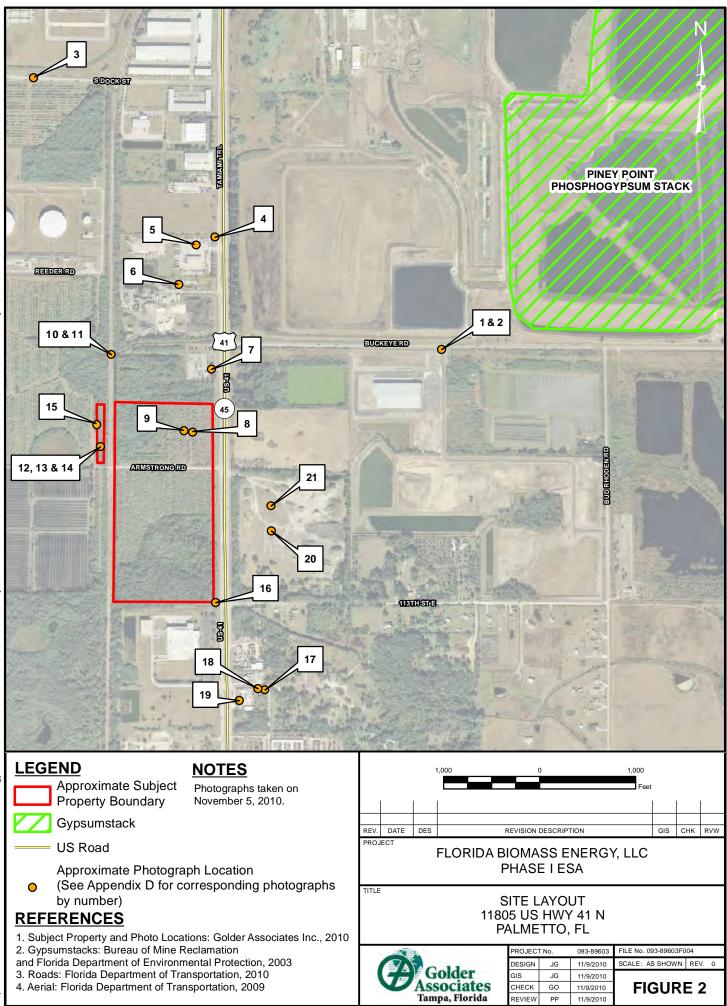
Facility Name	Database <sup>i</sup>	Distances (miles) Direction from Site	Location Relative to Inferred Groundwater Flow Direction	Comments	Classification
Ajax Paving Industries Inc. 12165 US Highway 41 N Palmetto FL 34221 Facility Status: Not	SQG/FINDS	1/8 to 1/4 mile N	Groundwater flow direction not identified.	Area of violation: TSD IS-General Facility Standards Area of violation: Used oil – Generators Area of violation: TSD IS-Landfill Standards Area of violation: TSD IS-Contingency Plan and Emergency Procedures Area of violation: Generators – General Area of violation: State Statute or Regulation Area of violation: LDR – General Area of violation: TSD IS-Container Use and Management Area of violation: Generators – Pre-transport Area of violation: Generators – Pre-transport Area of violation: Generators – Manifest Date achieved compliance: 01/11/2001 EDR reports an on-site compliance evaluation inspection on 10/19/1988. However, no violations are identified in the EDR.	Due to lack of any documented violations this site is not considered a REC.
Reported Commercial Carrier Corp. 12205 US Highway 41 N Palmetto FL 34221 Facility Status: Open	LUST AST	1/4 to 1/2 mile N	Groundwater flow direction not identified.	<ul> <li>EDR reports two discharges: one occurred on 12/01/1988 and the second on 10/09/1996. No cleanup was required for the 1988 discharge and a status of "complete" was issued on 05/29/2001. However, a combined cleanup was required for the 1996 incident. The current status of this cleanup is unknown.</li> <li>EDR reports two ASTs at this facility: <ul> <li>a 3,000 gal waste oil AST, installed on 01/10/1996; and</li> <li>a 000 gal waste oil AST, installed on 01/10/1996; and</li> </ul> </li> </ul>	Although the incident status for the 1996 discharge is unknown, due to the facility's distance to the Subject Property it is unlikely that it may have impacted the Subject Property. In addition, due to lack of any documented violations
	UST			<ul> <li>a 20,000 gal vehicular diesel AST, installed on 01/10/1996.</li> <li>Both tanks are •temporarily out of service.</li> <li>EDR reports six USTs at this facility:         <ul> <li>four 12,000 gal vehicular diesel USTs, installed on 01/07/1983 and all removed on 19/11/1996;</li> </ul> </li> </ul>	associated with the ASTs and USTs this site is not considered a REC.

Facility Name	Database <sup>i</sup>	Distances (miles) Direction from Site	Location Relative to Inferred Groundwater Flow Direction	Comments	Classification
	FINANCIAL ASSURANCE 3			<ul> <li>a 2,000 gal waste oil UST, installed on 01/07/1983 and removed on 19/11/1996; and</li> <li>a 4,000 gal new/lube oil UST, installed on 01/07/1983 and removed on 19/11/1996.</li> <li>The Financial Assurance Information Listing is a listing of financial assurance information for storage tanks sites, which is given a designation No. 3. For example solid waste is given a designation No. 2.</li> </ul>	

<sup>&</sup>lt;sup>i</sup> See Section 4.1 of this Report for definition of database listings.

FIGURES FIGURE 1 - SITE LOCATION FIGURE 2 - SITE LAYOUT





APPENDIX A MANATEE COUNTY PROPERTY APPRAISER INFORMATION FOR THE SUBJECT PROPERTY

#### Manatee County

PARID: 600700059 PATRON HOLDINGS LLC

#### **ID Block**

Account# T/R/S Primary Address Location 2002 Census Tract FEMA Zone Caveat FEMA Flood Zone Hurricane Evacuation Zone Fire District Exemption Status Future Land Use DOR Use Code DOR Description Neighborhood Name Neighborhood Number CRA District CDD District Neighborhood Group Market Area Zone/Field Reference Route Number Map ID Acres (If Available) Size Disclaimer Number of Units Living/Business area Total Under Roof Unit Desc Short Legal Desc

Unit # Lot ID Block ID Subdivision Number Subdivision Name City/County Tax District Tax District Name

TPP Current Year Date Filed TPP Current Year Extension Request

#### **Owners**

Name Address

City State Zip Code International Postal Code Country

#### **Total Value**

Tax Year Just Land Value Just Improvement Value Total Just Value New Construction Addition Value Demolition Value Save Our Homes Savings Non Homestead Cap Savings Market Value of Classified Use Land Classified Use Value Total Assessed Value Fire Tax Special Assessments	Year2010 \$226,849 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$226,849 \$183.7 <b>5</b>
Previous Year's Value Previous Year Just Value Previous Year Assessed Value Previous Year Cap Value	\$276,728 \$276,728 \$0

#### Exemptions

Account# Exemption Code Description Owner with Exemption Year Override Flag Override Type Amount Page 1 of 2

#### 11805 US 41 N

600700059 33S / 18E / 07 11805 N US 41 PALMETTO 34221 NCT 001600 NOT A FEMA DETERMINATION AE/9/N/0181 B/100 С FD07-NORTH RIVER FD No Exemption P/SP-1 4000 VACANT INDUSTRIAL TWP 33 RNG 18 N. OF PALMETTO 7115 NC-NORTH COUNTY CRA 7001 15 1 133 3C0708 14.09 Sq foot estimates derived from rounded exterior wall measurements 1 0 0 LOT 18, JOHN PIPLACKS SUB, [INSERT "LESS H/W R/W OF ST RD 45"], ALSO LESS TAMPA SOUTHERN RR R/W, [INSERT "ALSO LESS THAT PART INCLUDED IN MAINTAINED ARMSTRONG RD REC IN RP BK 4 18 0600600 JOHN PIPLACKS SUB PB2/87 0001 0001 - UNINCORPORATED COUNTY PATRON HOLDINGS LLC 33 6TH ST S 300 SAINT PETERSBURG FL 33701 4117

600700059 10CAP 10% CAPPED SAVINGS

PATRON HOLDINGS LLC

2009

\$0

#### Manatee County

#### Sales

Account# Date Sale Amount Vacant/Improved Indicator Qualification Code Qualification Code Description Book Page Grantee Name Grantor Name Deed Type

#### Legal

Description

#### Market Land Lines

Account# Square Feet Acres Influence Code 1 Influence Code 2 Note 600700059 29-APR-2005 \$1,820,000 Vacant 02 MORETHAN 1 PRCL QUALIFIED(PRIOR 2009) 2018 5802 PATRON HOLDINGS LLC PARSON BROWN ORANGES INC WD-WARRANTY DEED

LOT 18, JOHN PIPLACKS SUB, [INSERT "LESS H/W R/W OF ST RD 45"], ALSO LESS TAMPA SOUTHERN RR R/W, [INSERT "ALSO LESS THAT PART INCLUDED IN MAINTAINED ARMSTRONG RD REC IN RP BK 4 PG 61-63, PER AFF REC IN OR 805 PG 887"], ALSO LESS THAT PART INCLUDED IN OR 1765 PG 6190 DESC AS FOLLOWS: THAT PART OF TRACT 18, REVISED MAP OF JOHN PIPLACKS SUB, PER PB 2 PG 145, LYING WEST OF THE RR R/W AND SOUTH OF THE NORTH R/W LN OF ARMSTRONG RD, AS SUCH RI/W IS EXTENDED WLY FROM ARMSTRONG RD LYING EAST OF RR R/W TO THE W LN OF THE E1/2 OF THE SW1/4 OF SEC 7 PI#6007.0005/9

600700059 613760 14.09

# PARID: 602400059 PATRON HOLDINGS LLC

**ARMSTRONG RD** 



Manatee County

10/21/2010

http://www.manateepao.com/Forms/PrintMap.aspx?pin=602400059&MapImage=../images/maps/3916431400720M.jpg

PARID: 602400059 PATRON HOLDINGS LLC

**ID Block** Account# T/R/S Primary Address Location 2002 Census Tract FEMA Zone Caveat FEMA Flood Zone Hurricane Evacuation Zone Fire District Exemption Status Future Land Use DOR Use Code DOR Description Neighborhood Name Neighborhood Number CRA District CDD District Neighborhood Group Market Area Zone/Field Reference Route Number Map ID Acres (If Available) Size Disclaimer Number of Units Living/Business area Total Under Roof Unit Desc Short Legal Desc Unit # Lot ID Block ID Subdivision Number Subdivision Name City/County Tax District Tax District Name **TPP** Current Year Date Filed TPP Current Year Extension Request **Owners** Name Address City State Zip Code International Postal Code Country **Total Value** Tax Year Just Land Value Just Improvement Value Total Just Value New Construction Addition Value Demolition Value Save Our Homes Savings Non Homestead Cap Savings Market Value of Classified Use Land **Classified Use Value** Total Assessed Value Fire Tax Special Assessments Previous Year's Value Previous Year Just Value Previous Year Assessed Value Previous Year Cap Value Exemptions Account# Exemption Code Description Owner with Exemption Year

Year Override Flag Override Type Amount

#### ARMSTRONG RD

602400059 335 / 18E / 07 ARMSTRONG RD PALMETTO 34221 NCT 001600 NOT A FEMA DETERMINATION X5/0/N/0181 B/74 С FD07-NORTH RIVER FD No Exemption RES-3 4000 VACANT INDUSTRIAL TWP 33 RNG 18 N. OF PALMETTO 7115 NC-NORTH COUNTY CRA 7001 15 1 038 3C0708 30.26 Sq foot estimates derived from rounded exterior wall measurements 1 0 0 SE1/4 OF SW1/4 LESS 130 FT FOR RR R/W & [INSERT "LESS H/W R/W FOR ST RD 45"], ALSO LESS THAT PART OF THE SE1/4 OF THE SW1/4 OF SEC 7 LYING WEST OF THE RR R/W PI#6024.0005/9 0000000 0001 0001 - UNINCORPORATED COUNTY PATRON HOLDINGS LLC 33 SIXTH ST S 300 SAINT PETERSBURG FL. 33701 Year2010 \$487,186 \$0 \$487,186 **\$**0 \$0 \$0 \$0 \$0 \$0 \$0 \$487,186 \$379.75 \$594,306 \$594,306 \$0

602400059 10CAP 10% CAPPED SAVINGS PATRON HOLDINGS LLC 2009

\$0

#### Sales

Account# Date Sale Amount Vacant/Improved Indicator Qualification Code Qualification Code Description Book Page Grantee Name Grantor Name Deed Type

#### Legal Description

Description

#### **Market Land Lines**

Account# Square Feet Acres Influence Code 1 Influence Code 2 Note 602400059 29-APR-2005 \$1,820,000 Vacant 02 MORETHAN 1 PRCL QUALIFIED(PRIOR 2009) 2018 5802 PATRON HOLDINGS LLC PARSON BROWN ORANGES INC WD-WARRANTY DEED

SE1/4 OF SW1/4 LESS 130 FT FOR RR R/W & [INSERT "LESS H/W R/W FOR ST RD 45"], ALSO LESS THAT PART OF THE SE1/4 OF THE SW1/4 OF SEC 7 LYING WEST OF THE RR R/W PI#6024.0005/9

602400059 1318126 30.26

# PARID: 600700059 PATRON HOLDINGS LLC

11805 US 41 N



Manatee County

http://www.manateepao.com/Forms/PrintMap.aspx?pin=600700059&MapImage=../images/maps/39283952158235M.jpg

10/21/2010

County Parcel ID Nos. :	600700059	600700059	602400059
AREA	643763	44573	1459118
PERIMETER	3302	1365	4890
PARCEL_	716	717	741
PARCEL_ID	134660	134659	134635
SURFACE_ID	716	717	741
PIN	60070005	60070005	60240005
СНК	9	9	9
LUC	4000	4000	4000
TUR	0	0	0
SFLA	0	0	0
YR_BLT	0	0	0
YRSALE	2005	2005	2005
SALEPRICE	1820000	1820000	1820000
NTYPE	516	516	516
NBHD	7115	7115	7115
IMPROVV	0	0	0
JUSTV	226849	226849	487186
LANDV	226849	226849	487186
ROUTEN	133	133	038
XCOORD	480438	480438	480765
YCOORD	1195259	1195259	1194203
CUR	Y	Y	Y
SUBDNUM	0600600	0600600	0000000
CLASS			
GRADE			
ARATE	A 19640	A 19640	A 19640
RATIOCLASS	9	9	9
EFFYR	0	0	0
RATIO	12	12	27
NUMPERM	0	0	0
INFL1			
PCTGOOD	0	0	0
QUAL	02	02	02
SALETYPE	V	V	V
BESTYR	0	0	0
ADRNO	11805	11805	0
ADRSTR	US 41	US 41	ARMSTRONG
ISHOME			
ACRES	14	14	30
SF	613760	613760	1318126

## Phase I ESA Parcel Information 11805 Nort US Highway 41, Manatee County, Florida

DOLPSF	0	0	0
LACRES	14	14	30
LSF	613760	613760	1318126
BUMP	146	146	34
OWNER	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC
SNAME	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC
LOT	18	18	
BLK			
DTPRICE	V 02 0504 1820000	V 02 0504 1820000	V 02 0504 1820000
ZONING	A1	A1	A1
ROUTNBHD	133/7115	133/7115	038/7115
DOLPAC	16100	16100	16100
VYRSALE	2005	2005	2005
VSTEB	02	02	02
VSALETYPE	V	V	V
VPRICE	1820000	1820000	1820000
VRATIO	12	12	27
LANDBUILD	10000	10000	10000
LANDVBUILD	100	100	100
PREDOMAG			GRVB0
AGACRES	0	0	16
		2005/02/1820000/12.4	
VDESC	2005/02/1820000/12.46	6	2005/02/1820000/26.77
TAXDIST	0001	0001	0001
ALTNBHD	276728	276728	594306
ALTROUTE	0	0	0
SALENO			
VSALENO			
FDIN	FD07	FD07	FD07
FTIN	0	0	0
ADRSUF			RD
ADRSUF2			
CITY	3422	3422	3422
LOCZIP	34221	34221	34221
ADRDIR	Ν	Ν	
UNITNO			
GENZONE	AL	AL	AL
GENRANK	4167.	4167.	8950.
FLU	P/SP-1	P/SP-1	RES-3
ZONELAND	A1	A1	A1
TOMEASURE	Ŷ	Ŷ	Y
VOIDHEAD	600600001	600600001	00
	20000001		

LABLINE1 LABLINE2	PATRON HOLDINGS LLC 33 6TH ST S 300	PATRON HOLDINGS LLC 33 6TH ST S 300	PATRON HOLDINGS LLC 33 SIXTH ST S 300
LABLINE3 LABLINE4 LABLINE5	SAINT PETERSBURG, FL 33701-4117	SAINT PETERSBURG, FL 33701-4117	SAINT PETERSBURG, FL 33701
OWN1 OWN2	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC
	11805 US 41 N 34221	11805 US 41 N 34221	ARMSTRONG RD 34221
FULLLOC	NCT	NCT	NCT
LADRNO	11805	11805	0
LADRADD			
LADRDIR	Ν	Ν	
LADRSTR	US 41	US 41	ARMSTRONG
LADRSUF			RD
LADRSUF2			
LUNITNO			
TRS	33S18E07	33S18E07	33S18E07
COUNTYOWNE	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC	PATRON HOLDINGS LLC

## Source:

Manatee County Property Appraiser October, 2010. Golder, 2010 APPENDIX B

FEDERAL AND STATE REGULATORY DATABASE SEARCH

## **52-Acre Parcel in Manatee County**

11805 North US Highway 41 Palmetto, FL 34221

Inquiry Number: 2906880.2s October 28, 2010

## The EDR Radius Map<sup>™</sup> Report with GeoCheck®



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 www.edrnet.com

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### **GEOCHECK ADDENDUM**

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Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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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

11805 NORTH US HIGHWAY 41 PALMETTO, FL 34221

#### COORDINATES

Latitude (North):	27.619100 - 27° 37' 8.8"
Longitude (West):	82.541400 - 82° 32' 29.0"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	347902.7
UTM Y (Meters):	3055788.0
Elevation:	4 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	27082-E5 PALMETTO, FL
Most Recent Revision:	1987
North Map:	27082-F5 COCKROACH BAY, FL
Most Recent Revision:	1981

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from:	2005, 2006, 2007
Source:	USDA

#### TARGET PROPERTY SEARCH RESULTS

PALMETTO, FL 34221

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
FBENERGY MANATEE FACILITY, LLC 11805 US 41N	AIRS	N/A

#### DATABASES WITH NO MAPPED SITES

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

#### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

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

#### Federal Delisted NPL site list

Delisted NPL\_\_\_\_\_ National Priority List Deletions

#### Federal CERCLIS list

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

#### 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

UST	STI02 - Facility/Owner/Tank Report
	Underground Storage Tanks on Indian Land
FF TANKS	
FEMA UST	Underground Storage Tank Listing

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

ENG CONTROLS\_\_\_\_\_ Institutional Controls Registry INST CONTROL\_\_\_\_\_ Institutional Controls Registry

#### State and tribal voluntary cleanup sites

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

#### State and tribal Brownfields sites

BROWNFIELDS\_\_\_\_\_ Brownfield Areas

#### 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
FI Sites	Sites List
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

RCRA-NonGen	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	
UMTRA	
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
	_ Material Licensing Tracking System
RADINFO	Radiation Information Database
	Facility Index System/Facility Registry System
	RCRA Administrative Action Tracking System
UIC	. Underground Injection Wells Database Listing
DRYCLEANERS	Drycleaning Facilities
	Ethylene Dibromide Database Results
	Wastewater Facility Regulation Database
FL Cattle Dip. Vats	. Cattle Dipping Vats
TIER 2	_ Tier 2 Facility Listing
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
	. Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE	- Financial Assurance Information Listing

#### EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

Manufactured Gas Plants\_\_\_\_\_ EDR Proprietary Manufactured Gas Plants

#### 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

#### Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GSE HOLDINGS INC	11001 US HIGHWAY 41 N	S 0 - 1/8 (0.116 mi.)	A4	10
AJAX PAVING INDUSTRIES INC - F	12165 US 41 N	N 1/8 - 1/4 (0.213 mi.)	5	43

RCRA-CESQG: 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.

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FPL CO BUCKEYE SUBSTATION	12015 US HWY 41 N	N 0 - 1/8 (0.080 mi.)	2	7

#### 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 09/01/2010 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL CARRIER CORP	12205 US 41 N	N 1/4 - 1/2 (0.282 mi.)	6	45
Discharge Cleanup Status: DNR - DISCHARGE NOTIFICATION RECEIVED				
Discharge Cleanup Status: NREQ - C	LEANUP NOT REQUIRED			

#### State and tribal registered storage tank lists

AST: Shortly after the Sept 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 AST list, as provided by EDR, and dated 09/01/2010 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANATEE CNTY UTIL-LIFT STATION	11006 US 41 N	S 0 - 1/8 (0.113 mi.)	A3	9

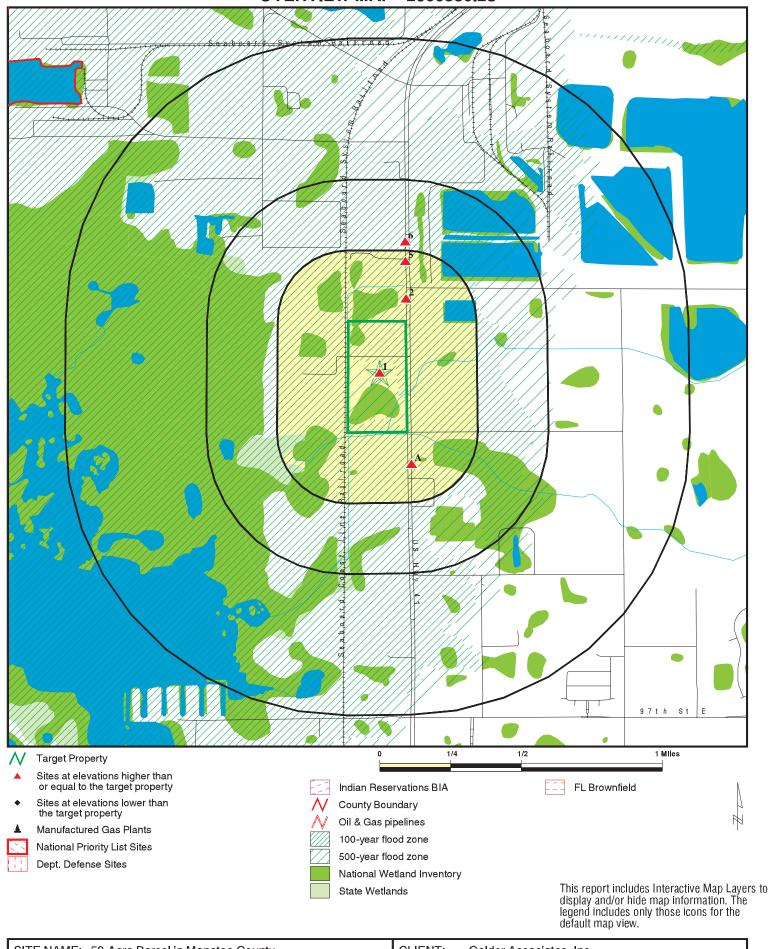
Due to poor or inadequate address information, the following sites were not mapped:

Site I	Name
--------	------

MANATEE SOUTHWEST RECLAIMED ASR LAKE MANATEE ASR MANATEE SCRAP/ J&F SCRAP TECO PORT MANATEE SITE FDOT- PARRISH PIT SITE DEBRIS STAG FDOT- SR 64 PIT SITE DEBRIS STAGIN FORRISTALL DEVELOPMENT WPF MANATEE CNTY PORT MANATEE SPILL 05 MANATEE CNTY PORT MANATEE SPILL 10 MANATEE CNTY UTIL LIFT STATION #N1 **REEDER RANCH & DAIRY** MANATEE SCRAP PROCESSING FORT MANATEE BERTH 10 **BERTH 9 PORT MANATEE** PORT MANATEE WATER LINE INSTAL PORT MANATEE TERMINAL MANATEE COUNTY PORT AUTHORITY RT 1 MANATEE COUNTY PORT AUTHORITY PORT OF MANATEE MANATEE COUNTY PORT AUTH MANATEE CNTY-FUEL-LIFT-#N1-B PORT MANATEE OIL STORAGE FACILITY

Database(s) UIC UIC VCP VCP SWF/LF SWF/LF SWF/LF, FINANCIAL ASSURANCE UST UST AST AST AST ERNS ERNS FINDS FINDS FINDS DEDB NPDES ICIS ICIS FINANCIAL ASSURANCE AIRS

## **OVERVIEW MAP - 2906880.2s**



SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto FL 34221 LAT/LONG: 27.6191 / 82.5414 CLIENT: Golder Associates, Inc. CONTACT: Paola Pringle INQUIRY #: 2906880.2s DATE: October 28, 2010 12:47 pm

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**DETAIL MAP - 2906880.2s** 



		-	Golder Associates, Inc. Paola Pringle
	Palmetto FL 34221	INQUIRY #:	2906880.2s
_AT/LONG:	27.6191 / 82.5414	DATE:	October 28, 2010 12:48 pm

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## **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
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0 0	0 0	NR 0	NR NR	0 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD fa	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 1 1	0 1 0	NR NR NR	NR NR NR	NR NR NR	0 2 1
Federal institutional con engineering controls reg								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	;						
SHWS		1.000	0	0	0	0	NR	0
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking	storage tank li	ists						
LUST INDIAN LUST		0.500 0.500	0 0	0 0	1 0	NR NR	NR NR	1 0
State and tribal registere	ed storage tan	k lists						
UST		0.250	0	0	NR	NR	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
AST INDIAN UST FF TANKS FEMA UST		0.250 0.250 0.250 0.250	1 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	1 0 0 0
State and tribal institut control / engineering c		25						
ENG CONTROLS INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal volunta	ary cleanup site	es						
VCP INDIAN VCP		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brown	ields sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	ENTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	' Solid							
ODI DEBRIS REGION 9 SWRCY INDIAN ODI		0.500 0.500 0.500 0.500	0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	us waste /							
US CDL FI Sites PRIORITYCLEANERS US HIST CDL		TP 1.000 0.500 TP	NR 0 0 NR	NR 0 0 NR	NR 0 0 NR	NR 0 NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2 LUCIS		TP 0.500	NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency	Release Repo	rts						
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Re	ecords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT		0.250 TP 1.000 1.000 1.000	0 NR 0 0	0 NR 0 0 0	NR NR 0 0 0	NR NR 0 0 0	NR NR NR NR NR	0 0 0 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 UMTRA		1.000 0.500	0 0	0 0	0 0	0 NR	NR NR	0 0
MINES TRIS		0.250 TP	0 NR	0 NR	NR NR	NR NR	NR NR	0 0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS HIST FTTS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS MLTS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS RAATS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS DEDB		0.250 0.500	0	0	NR 0	NR NR	NR NR	0
NPDES		0.500 TP	0 NR	0 NR	0 NR	NR	NR	0 0
AIRS	Х	TP	NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats TIER 2		0.500 TP	0 NR	0 NR	0 NR	NR NR	NR NR	0 0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS PCB TRANSFORMER		0.500 TP	0 NR	0 NR	0 NR	NR NR	NR NR	0 0
COAL ASH EPA		0.500	0	0	0	NR	NR	Ő
COAL ASH DOE FINANCIAL ASSURANCE		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
FINANCIAL ASSORANCE		IF	INIX	INIT		INIT	ININ	0
EDR PROPRIETARY RECOR	DS							
EDR Proprietary Records	;							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Database(s)

EDR ID Number EPA ID Number

1 Target Property	FBENERGY MANATEE 11805 US 41N PALMETTO, FL 34221	FACILITY, LLC AIRS	S110472094 N/A
Actual: 4 ft.	AIRS: Facility ID: Facility Status: Office: Category: Owner Name: SIC: Title V: Permit Number: Issue Date: Expiration Date: Lat/Long (dms): Contact Name: Contact Address1: Contact Address2: Contact Address2: Contact City: Contact State: Contact Zip Code: Contact Zip4: Contact Phone:	810226 C SWD POINT Florida Biomass Energy, Llc Not reported Yes 0810226001AC 6/18/2010 12/31/2013 27 37 14 / 82 32 29 Not reported Not reported	
2 North < 1/8 0.080 mi. 424 ft.	FPL CO BUCKEYE SUB 12015 US HWY 41 N PALMETTO, FL 34221	STATION RCRA-CESQG	1008372347 FLR000118521
Relative: Higher Actual: 4 ft.	RCRA-CESQG: Date form received Facility name: Facility address: EPA ID: Mailing addresss: Contact: Contact address: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Classification: Description:	by agency: 03/15/2005 FPL CO BUCKEYE SUBSTATION 12015 US HWY 41 N PALMETTO, FL 34221 FLR000118521 2455 PORT WEST BLVD RIVIERA BEACH, FL 334071214 DAN RAWSON 2455 PORT WEST BLVD RIVIERA BEACH, FL 334071214 US 5618453344 Not reported 04 Conditionally Exempt Small Quantity Generator Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or 100 kg or less of any residue or contaminated soil, waste; or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely	

Database(s)

EDR ID Number EPA ID Number

#### FPL CO BUCKEYE SUBSTATION (Continued)

hazardous waste

Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country:	FPL CO BUCKEYE SUBSTATION 2455 PORT WEST BLVD RIVIERA BEACH, FL 33407 US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/15/2005
Owner/Op end date:	Not reported
Owner/operator name:	FLORIDA POWER & LIGHT CO
Owner/operator address:	9250 W FLAGLER ST
	MIAMI, FL 33174
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/15/2005
Owner/Op end date:	Not reported
Owner/operator name:	UNKOWN
Owner/operator address:	Not reported
	32399
Owner/operator country:	Not reported
Owner/operator telephone:	8502458748
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2004
Owner/Op end date:	Not reported
Llandlar Activitian Summary	
Handler Activities Summary: U.S. importer of hazardous wa	ste: No
Mixed waste (haz. and radioad	
Recycler of hazardous waste:	No
Transporter of hazardous waste.	
Treater, storer or disposer of H Underground injection activity:	
On-site burner exemption:	No No
Furnace exemption: Used oil fuel burner:	No
	No
Used oil processor: User oil refiner:	No
Used oil fuel marketer to burne	
Used oil Specification markete Used oil transfer facility:	NO NO
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown
On Sile wasie 16661461.	

#### Hazardous Waste Summary:

Waste code: Waste name: D002 A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

#### 1008372347

Map ID		MAP FINDINGS		
Direction Distance Elevation	Site	Ч	Database(s)	EDR ID Number EPA ID Number
	FPL CO BUCKEYE SUBST	ATION (Continued) OR DEGREASE PARTS. HYDROCHLORIC ACID, A SO USED BY MANY INDUSTRIES TO CLEAN METAL PAR THESE CAUSTIC OR ACID SOLUTIONS BECOME COI DISPOSED, THE WASTE WOULD BE A CORROSIVE F	TS PRIOR TO P NTAMINATED A	AINTING. WHEN ND MUST BE
	Waste code: Waste name:	D008 LEAD		
	Violation Status:	No violations found		
A3 South < 1/8 0.113 mi. 599 ft.	MANATEE CNTY UTIL-LIF 11006 US 41 N PALMETTO, FL 34221 Site 1 of 2 in cluster A	STATION N1H	AST	A100325600 N/A
Relative:	AST:			
Higher Actual:	Facility ID: Facility Phone: Facility Status:	9802807 (941) 755-1953 CLOSED		
5 ft.	Type Description: DEP Contrctr Own: Lat/Long (dms): Positioning Method: Region:	County Government No 27 36 15.4512 / 82 32 22.1531999 ADDM STATE		
	Owner: Owner Id: Owner Name: Owner Address: Owner Address 2: Owner City, St, Zip: Owner Contact: Owner Phone: Tank Id: Gallons: Tank Location: Substance: Content Description: Install Date: Status: Status Date: Construction: Construction Category Construction Description			
	Monitoring: Monitoring Descriptior	Not reported		
	Piping: Piping Category: Piping Description:	Not reported Not reported		

Database(s)

EDR ID Number EPA ID Number

A4 South < 1/8 0.116 mi.	GSE HOLDINGS INC 11001 US HIGHWAY 41 N PALMETTO, FL 34221	RCRA-SQG FINDS	1001960243 FLR000062562
615 ft.	Site 2 of 2 in cluster A		
615 ft. Relative: Higher Actual: 5 ft.	Site 2 of 2 in cluster A RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Contact: Contact address: Contact country: Contact country: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	GSE HOLDINGS INC 11001 US HIGHWAY 41 N PALMETTO, FL 342217700 FLR000062562 GLENN W GRECO 11001 US HIGHWAY 41 N PALMETTO, FL 342217700 US 9417211005 TIHR@ITWGSEGROUP.COM 04 Private Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous	
		waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time	
	Owner/Operator Summary:		
	Owner/operator name: Owner/operator address:	ILLINOIS TOOL WORKS Not reported Not reported	
	Owner/operator country:	US	
	Owner/operator telephone:	Not reported	
	Legal status:	Private	
	Owner/Operator Type:	Owner	
	Owner/Op start date:	09/14/2000	
	Owner/Op end date:	Not reported	
	Owner/operator name: Owner/operator address:	TRILECTRON INDUSTRIES INC 11001 US HIGHWAY 41 N PALMETTO, FL 34221	
	Owner/operator country:	US Net reported	
	Owner/operator telephone:	Not reported	
	Legal status: Owner/Operator Type:	Private Owner	
	Owner/Op start date:	08/09/2000	
	Owner/Op end date:	Not reported	
	Owner/operator name:	UNKOWN	
	Owner/operator address:	Not reported 32399	
	Owner/operator country:	Not reported	
	Owner/operator telephone:	8502458748	
	Legal status:	State	
	Owner/Operator Type:	Operator	
	Owner/Op start date: Owner/Op end date:	01/01/2004 Not reported	
	Owner/operator name:	GSE HOLDINGS INC	

Database(s)

EDR ID Number EPA ID Number

#### GSE HOLDINGS INC (Continued)

	,	
	Owner/operator address:	1177 TRADE RD TROY, OH 45373
	Owner/operator country:	US
	Owner/operator telephone:	9417211000
	Legal status:	Private
	Owner/Operator Type:	Operator
	Owner/Op start date:	12/14/2007
	Owner/Op end date:	Not reported
	Owner/operator name:	GSE HOLDINGS INC
	Owner/operator address:	11001 US HIGHWAY 41 N
	Owper/operator country:	PALMETTO, FL 34221 US
	Owner/operator country: Owner/operator telephone:	9417211005
	Legal status:	Private
	Owner/Operator Type:	Operator
	Owner/Op start date:	03/06/2009
	Owner/Op end date:	Not reported
	Owner/operator name:	ILLINOIS TOOL WORKS INC
	Owner/operator address:	3600 W LAKE AVE
	Owner/operator country:	GLENVIEW, IL 60026 US
	Owner/operator telephone:	8476574000
	Legal status:	Private
	Owner/Operator Type:	Owner
	Owner/Op start date:	03/06/2009
	Owner/Op end date:	Not reported
На	andler Activities Summary:	
	U.S. importer of hazardous wa	aste: No
	Mixed waste (haz. and radioad	ctive): No
	Recycler of hazardous waste:	No
	Transporter of hazardous was	
	Treater, storer or disposer of H	
	Underground injection activity: On-site burner exemption:	No
	Furnace exemption:	No
	Used oil fuel burner:	No
	Used oil processor:	No
	User oil refiner:	No
	Used oil fuel marketer to burne	
	Used oil Specification markete	
	Used oil transfer facility:	No No
	Used oil transporter: Off-site waste receiver:	Commercial status unknown
U	niversal Waste Summary:	
	Waste type:	Batteries
	Accumulated waste on-site:	Unknown
	Generated waste on-site:	Unknown
	Waste type:	Lamps

Accumulated waste on-site:	Unknown	
Generated waste on-site:	Unknown	
Waste type:	Lamps	
Accumulated waste on-site:	Unknown	
Generated waste on-site:	Unknown	

Database(s)

EDR ID Number EPA ID Number

GSE HOLDINGS INC (Continued	) 1001960243
Waste type:	Pesticides
Accumulated waste on-site:	Unknown
Generated waste on-site:	Unknown
Waste type:	Thermostats
Accumulated waste on-site: Generated waste on-site:	Unknown Unknown
Generaleu wasie on-sile.	Unknown
Historical Generators:	
Date form received by agenc	
Facility name:	GSE HOLDINGS INC
Classification:	Small Quantity Generator
Date form received by agence	
Facility name:	GSE HOLDINGS INC
Site name:	TRILECTRON INDUSTRIES INC.
Classification:	Small Quantity Generator
Hazardous Waste Summary:	
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF
	LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS
	CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE
	FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,
	WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT
	WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	D006
Waste name:	CADMIUM
Waste code:	D007
Waste name:	CHROMIUM
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL
	ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL
	ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT
	MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT
	NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS
	CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR
	MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL
	BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT
	MIXTURES.
Waste code:	F005
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL
	KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,
	2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS
	CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF
	ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS
	LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF
	THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste code:	F019

WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF

ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

EDR ID Number Database(s) EPA ID Number

#### **GSE HOLDINGS INC (Continued)**

Waste name:

Facility Has Received Notices of	
Regulation violated:	273.13(d)(1)
Area of violation:	Universal Waste - Small Quantity Handlers 02/18/2009
Date violation determined: Date achieved compliance:	04/23/2009
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	62-737.400(5)(b)
Area of violation:	State Statute or Regulation
Date violation determined:	02/18/2009
Date achieved compliance:	04/23/2009
Violation lead agency: Enforcement action:	State Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	262.34(d)(3)
Area of violation:	Generators - Pre-transport
Date violation determined:	09/13/2007
Date achieved compliance:	09/13/2007
Violation lead agency: Enforcement action:	State DEP WARNING LETTER
Enforcement action date:	11/09/2007
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	265.15(d)
Area of violation:	TSD IS-General Facility Standards
Date violation determined:	09/13/2007
Date achieved compliance:	09/18/2007
Violation lead agency: Enforcement action:	State DEP WARNING LETTER
Enforcement action date:	11/09/2007
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State

Database(s)

EDR ID Number EPA ID Number

## GSE HOLDINGS INC (Continued)

-		
	Proposed penalty amount:	Not reported
	Final penalty amount:	Not reported
	Paid penalty amount:	Not reported
	r ald ponalty amount.	Notropolica
	Regulation violated:	262.34(c)(1)(ii)
	Area of violation:	Generators - Pre-transport
	Date violation determined:	09/13/2007
	Date achieved compliance:	09/13/2007
	Violation lead agency:	
	Enforcement action:	DEP WARNING LETTER
	Enforcement action date:	11/09/2007
	Enf. disposition status:	Not reported
	Enf. disp. status date:	Not reported
	Enforcement lead agency:	State
	Proposed penalty amount:	Not reported
	Final penalty amount:	Not reported
	Paid penalty amount:	Not reported
	Regulation violated:	403.161(1)(b)
	Area of violation:	Permit Condition or Requirement
	Date violation determined:	09/13/2007
	Date achieved compliance:	09/13/2007
	Violation lead agency:	State
	Enforcement action:	DEP SHORT FORM CONSENT ORDER
	Enforcement action date:	01/14/2008
	Enf. disposition status:	Not reported
	Enf. disp. status date:	Not reported
	Enforcement lead agency:	State
	Proposed penalty amount:	Not reported
	Final penalty amount:	6455
	Paid penalty amount:	300
	·	
	Regulation violated:	262.11
	Area of violation:	Generators - General
	Date violation determined:	09/13/2007
	Date achieved compliance:	10/24/2007
	Violation lead agency:	State
	Enforcement action:	DEP MEETING
	Enforcement action date:	11/27/2007
	Enf. disposition status:	Not reported
	Enf. disp. status date:	· · ·
	•	Not reported
	Enforcement lead agency:	State
	Proposed penalty amount:	Not reported
	Final penalty amount:	Not reported
	Paid penalty amount:	Not reported
	Regulation violated:	265 15(d)
	Regulation violated:	265.15(d)
	Area of violation: Date violation determined:	TSD IS-General Facility Standards
		09/13/2007
	Date achieved compliance:	09/18/2007
	Violation lead agency:	
	Enforcement action:	DEP SHORT FORM CONSENT ORDER
	Enforcement action date:	01/14/2008
	Enf. disposition status:	Not reported
	Enf. disp. status date:	Not reported
	Enforcement lead agency:	State
	Proposed penalty amount:	Not reported

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Final penalty amount: Paid penalty amount:	6455 300
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	265.54(d) TSD IS-Contingency Plan and Emergency Procedures 09/13/2007 09/18/2007 State DEP MEETING 11/27/2007 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	403.161(1)(b) Permit Condition or Requirement 09/13/2007 09/13/2007 State DEP MEETING 11/27/2007 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	262.34(d)(3) Generators - Pre-transport 09/13/2007 09/13/2007 State DEP MEETING 11/27/2007 Not reported Not reported State Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount:	265.15(d) TSD IS-General Facility Standards 09/13/2007 09/18/2007 State DEP MEETING 11/27/2007 Not reported Not reported State Not reported Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued) Paid penalty amount:

Not reported

i alu penalty amount.	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	265.54(d) TSD IS-Contingency Plan and Emergency Procedures 09/13/2007 09/18/2007 State DEP WARNING LETTER 11/09/2007 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	262.34(c)(1)(ii) Generators - Pre-transport 09/13/2007 09/13/2007 State DEP MEETING 11/27/2007 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	403.161(1)(b) Permit Condition or Requirement 09/13/2007 09/13/2007 State DEP WARNING LETTER 11/09/2007 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	262.34(c)(1)(ii) Generators - Pre-transport 09/13/2007 09/13/2007 State DEP SHORT FORM CONSENT ORDER 01/14/2008 Not reported Not reported State Not reported 6455 300

Database(s)

EDR ID Number EPA ID Number

1001960243

#### **GSE HOLDINGS INC (Continued)**

Regulation violated: 265.54(d) TSD IS-Contingency Plan and Emergency Procedures Area of violation: Date violation determined: 09/13/2007 Date achieved compliance: 09/18/2007 Violation lead agency: State DEP SHORT FORM CONSENT ORDER Enforcement action: Enforcement action date: 01/14/2008 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 6455 Paid penalty amount: 300 Regulation violated: 262.11 Area of violation: Generators - General 09/13/2007 Date violation determined: Date achieved compliance: 10/24/2007 Violation lead agency: State DEP WARNING LETTER Enforcement action: Enforcement action date: 11/09/2007 Enf. disposition status: Not reported Not reported Enf. disp. status date: Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: 262.11 Area of violation: Generators - General 09/13/2007 Date violation determined: Date achieved compliance: 10/24/2007 Violation lead agency: State Enforcement action: DEP SHORT FORM CONSENT ORDER 01/14/2008 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 6455 Paid penalty amount: 300 Regulation violated: 262.34(d)(3) Generators - Pre-transport Area of violation: Date violation determined: 09/13/2007 Date achieved compliance: 09/13/2007 Violation lead agency: State Enforcement action: DEP SHORT FORM CONSENT ORDER Enforcement action date: 01/14/2008 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 6455 Paid penalty amount: 300

Regulation violated:

UOG:279.22(c)(1)

Database(s)

EDR ID Number EPA ID Number

#### **GSE HOLDINGS INC (Continued)**

Area of violation: Used Oil - Generators Date violation determined: 10/18/2004 Date achieved compliance: 10/21/2004 Violation lead agency: State Enforcement action: Not reported Enforcement action date: 10/18/2004 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Not reported Paid penalty amount: Regulation violated: UOG:62-710.850(6)(a) :Previous cita Area of violation: State Statute or Regulation Date violation determined: 10/18/2004 10/18/2004 Date achieved compliance: Violation lead agency: State Enforcement action: Not reported Enforcement action date: 10/18/2004 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: GOR:62-737.400(5)FAC Area of violation: State Statute or Regulation Date violation determined: 10/18/2004 Date achieved compliance: 10/21/2004 Violation lead agency: State Enforcement action: Not reported Enforcement action date: 10/18/2004 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: GPT:262.34(a)(2) Area of violation: Generators - Pre-transport Date violation determined: 08/08/2000 Date achieved compliance: 01/11/2001 Violation lead agency: State DEP MEETING Enforcement action: Enforcement action date: 01/11/2001 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Regulation violated: GMR:262.20(a) Area of violation: Generators - Manifest

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported
Regulation violated:	GOR:62.730.150(5)
Area of violation:	State Statute or Regulation
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	UOG:62.710.850(6) :Previous citatio State Statute or Regulation 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GOR:265.174
Area of violation:	TSD IS-Container Use and Management
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated:	GOR:265.173(a)
Area of violation:	TSD IS-Container Use and Management
Date violation determined:	08/08/2000

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.737.400(6)(b) State Statute or Regulation 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001 Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.737.400(6)(b) State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.52(d) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance:	GOR:265.16(d)(2) TSD IS-General Facility Standards 08/08/2000 01/11/2001

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Violation lead agency:	State
Enforcement action:	DEP MEETING
Enforcement action date:	11/06/2000
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(ii) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GPT:262.34(c)(1)(i)
Area of violation:	Generators - Pre-transport
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(a)(3) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GPT:262.34(a)(2)
Area of violation:	Generators - Pre-transport
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	DEP MEETING 11/06/2000 Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.730.160(7) State Statute or Regulation 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.11 Generators - General 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001 Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.730.150(5) State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action:	GOR:62.730.150(5) State Statute or Regulation 08/08/2000 01/11/2001 State DEP WARNING LETTER

Database(s)

EDR ID Number EPA ID Number

## **GSE HOLDINGS INC (Continued)**

Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	09/26/2000 Not reported Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	UOG:62.710.850(6) :Previous citatio State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	UOS:279.22(c)(1) Used Oil - Generators 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	DCH:265 Subpart J TSD IS-General 08/08/2000 08/08/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date:	GOR:265.52(e) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001

Database(s)

EDR ID Number EPA ID Number

## **GSE HOLDINGS INC (Continued)**

HOLDINGS INC (Continued)	
Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(3) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(3) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(2) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status:	GOR:265.16(d)(1) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported

Map ID Direction Distance Elevation Site MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.730.160(7) State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.11 Generators - General 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.11 Generators - General 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date:	UOG:62.710.850(6) :Previous citatio State Statute or Regulation 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001 Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GLB:268.7(a)(2) LDR - General 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GLB:268.7(a)(2)
Area of violation:	LDR - General
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	DCH:265 Subpart J TSD IS-General 08/08/2000 08/08/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GOR:265.174
Area of violation:	TSD IS-Container Use and Management
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP MEETING
Enforcement action date:	01/11/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State

Database(s)

EDR ID Number EPA ID Number

## **GSE HOLDINGS INC (Continued)**

Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
r ala ponary amount	
Regulation violated:	GOR:265.173(a)
Area of violation:	TSD IS-Container Use and Management
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP WARNING LETTER
Enforcement action date:	09/26/2000
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
-	
Regulation violated:	GOR:265.31 :Previous citation: 265.
Area of violation:	TSD IS-Landfill Standards
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency: Enforcement action:	State DEP WARNING LETTER
Enforcement action date:	09/26/2000
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	GOR:265.31 :Previous citation: 265.
Area of violation:	TSD IS-Landfill Standards
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date: Enforcement lead agency:	Not reported State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
r dia penany amount.	2000
Regulation violated:	GOR:265.16(d)(2)
Area of violation:	TSD IS-General Facility Standards
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

	•
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(1) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(i) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GPT:262.34(a)(3)
Area of violation:	Generators - Pre-transport
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated:	GOR:62.730.160(7)
Area of violation:	State Statute or Regulation
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.12(a) Generators - General 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.12(a) Generators - General 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GLB:268.7(a)(2) LDR - General 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	DCH:265 Subpart J TSD IS-General 08/08/2000 08/08/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported

GOR:62.737.400(6)(b)

Database(s)

EDR ID Number EPA ID Number

## **GSE HOLDINGS INC (Continued)**

Regulation violated:

Area of violation:	State Statute or Regulation
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP WARNING LETTER
Enforcement action date:	09/26/2000
Enf. disposition status:	Not reported
•	•
Enf. disp. status date: Enforcement lead agency:	Not reported State
• •	
Proposed penalty amount:	•
Final penalty amount: Paid penalty amount:	Not reported Not reported
i ald penaity amount.	Not reported
Regulation violated:	GOR:265.52(d)
Area of violation:	TSD IS-Contingency Plan and Emergency Procedures
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP WARNING LETTER
Enforcement action date:	09/26/2000
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	GOR:265.16(d)(3)
Area of violation:	TSD IS-General Facility Standards
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP MEETING
Enforcement action date:	01/11/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	GPT:262.34(c)(1)(ii)
Area of violation:	Generators - Pre-transport
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP MEETING
Enforcement action date:	11/06/2000
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	GPT:262.34(a)(3)
-	

Database(s)

EDR ID Number EPA ID Number

#### **GSE HOLDINGS INC (Continued)**

Area of violation: Generators - Pre-transport Date violation determined: 08/08/2000 Date achieved compliance: 01/11/2001 Violation lead agency: State Enforcement action: DEP MEETING Enforcement action date: 01/11/2001 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Not reported Final penalty amount: Not reported Paid penalty amount: Regulation violated: GGR:262.12(a) Area of violation: Generators - General Date violation determined: 08/08/2000 01/11/2001 Date achieved compliance: Violation lead agency: State Enforcement action: DEP CONSENT ORDER Enforcement action date: 05/22/2001 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 50600 Paid penalty amount: 2500 Regulation violated: UOS:279.22(c)(1) Area of violation: Used Oil - Generators Date violation determined: 08/08/2000 Date achieved compliance: 01/11/2001 Violation lead agency: State Enforcement action: DEP MEETING Enforcement action date: 01/11/2001 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported DCH:265 Subpart J Regulation violated: Area of violation: **TSD IS-General** Date violation determined: 08/08/2000 Date achieved compliance: 08/08/2001 Violation lead agency: State DEP CONSENT ORDER Enforcement action: Enforcement action date: 05/22/2001 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 50600 Paid penalty amount: 2500 Regulation violated: GOR:265.174 Area of violation: **TSD IS-Container Use and Management** 

Database(s)

EDR ID Number EPA ID Number

1001960243

# GSE HOLDINGS INC (Continued)

	/
Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.174 TSD IS-Container Use and Management 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.52(d) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(2) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined:	GOR:265.16(d)(1) TSD IS-General Facility Standards 08/08/2000

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(ii) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(i) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated:	GPT:262.34(a)(2)
Area of violation:	Generators - Pre-transport
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated:	GMR:262.20(a)
Area of violation:	Generators - Manifest
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GMR:262.20(a) Generators - Manifest 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001 Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	UOS:279.22(c)(1) Used Oil - Generators 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GLB:268.7(a)(2) LDR - General 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency:	GOR:265.173(a) TSD IS-Container Use and Management 08/08/2000 01/11/2001 State

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	DEP CONSENT ORDER 05/22/2001 Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.52(e) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.16(d)(1) TSD IS-General Facility Standards 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(i) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action:	GPT:262.34(a)(3) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP WARNING LETTER

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	09/26/2000 Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(a)(2) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GMR:262.20(a) Generators - Manifest 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.11 Generators - General 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date:	GOR:62.730.150(5) State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001

Database(s)

EDR ID Number EPA ID Number

## **GSE HOLDINGS INC (Continued)**

E HOLDINGS INC (Continued)	
Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	UOG:62.710.850(6) :Previous citatio State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.173(a) TSD IS-Container Use and Management 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:62.737.400(6)(b) State Statute or Regulation 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status:	GOR:265.52(e) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported

Database(s)

EDR ID Number EPA ID Number

#### GSE HOLDINGS INC (Continued)

Date achieved compliance:

Violation lead agency:

Enforcement action: Enforcement action date:

Enf. disposition status:

Enf. disp. status date:

01/11/2001

11/06/2000

Not reported

Not reported

DEP MEETING

State

Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported State Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.52(e) TSD IS-Contingency Plan and Emergency Procedures 08/08/2000 01/11/2001 State DEP WARNING LETTER 09/26/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GOR:265.31 :Previous citation: 265. TSD IS-Landfill Standards 08/08/2000 01/11/2001 State DEP MEETING 11/06/2000 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GPT:262.34(c)(1)(ii) Generators - Pre-transport 08/08/2000 01/11/2001 State DEP CONSENT ORDER 05/22/2001 Not reported Not reported State Not reported 50600 2500
Regulation violated: Area of violation: Date violation determined: Date achieved compliance:	GOR:62.730.160(7) State Statute or Regulation 08/08/2000 01/11/2001

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	GGR:262.12(a) Generators - General 08/08/2000 01/11/2001 State DEP MEETING 01/11/2001 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Regulation violated:	UOS:279.22(c)(1)
Area of violation:	Used Oil - Generators
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated:	GOR:265.52(d)
Area of violation:	TSD IS-Contingency Plan and Emergency Procedures
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP CONSENT ORDER
Enforcement action date:	05/22/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	50600
Paid penalty amount:	2500
Regulation violated:	GOR:265.31 :Previous citation: 265.
Area of violation:	TSD IS-Landfill Standards
Date violation determined:	08/08/2000
Date achieved compliance:	01/11/2001
Violation lead agency:	State
Enforcement action:	DEP MEETING
Enforcement action date:	01/11/2001
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State

Not reported

Database(s)

EDR ID Number EPA ID Number

#### **GSE HOLDINGS INC (Continued)**

Proposed penalty amount:

Not reported Final penalty amount: Paid penalty amount: Not reported Regulation violated: GOR:265.16(d)(3) **TSD IS-General Facility Standards** Area of violation: Date violation determined: 08/08/2000 Date achieved compliance: 01/11/2001 Violation lead agency: State Enforcement action: DEP CONSENT ORDER 05/22/2001 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Final penalty amount: 50600 Paid penalty amount: 2500 **Evaluation Action Summary:** Evaluation date: 02/18/2009 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: State Statute or Regulation Date achieved compliance: 04/23/2009 Evaluation lead agency: State Evaluation date: 02/18/2009 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Universal Waste - Small Quantity Handlers Date achieved compliance: 04/23/2009 Evaluation lead agency: State Evaluation date: 10/25/2007 Evaluation: NOT A SIGNIFICANT NON-COMPLIER Not reported Area of violation: Date achieved compliance: Not reported Evaluation lead agency: State Evaluation date: 09/13/2007 COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation: Area of violation: Permit Condition or Requirement Date achieved compliance: 09/13/2007 Evaluation lead agency: State Evaluation date: 09/13/2007 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: Generators - General Date achieved compliance: 10/24/2007 Evaluation lead agency: State Evaluation date: 09/13/2007 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE Area of violation: TSD IS-Contingency Plan and Emergency Procedures Date achieved compliance: 09/18/2007 Evaluation lead agency: State

 Evaluation date:
 09/13/2007

 Evaluation:
 COMPLIANCE EVALUATION INSPECTION ON-SITE

Database(s)

EDR ID Number EPA ID Number

# GSE HOLDINGS INC (Continued)

HOLDINGS INC (Continued)			
Area of violation:	Generators - Pre-transport		
Date achieved compliance:	09/13/2007		
Evaluation lead agency:	State		
Evaluation date:	09/13/2007		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	TSD IS-General Facility Standards		
Date achieved compliance:	09/18/2007		
Evaluation lead agency:	State		
Evaluation date:	10/18/2004		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	Used Oil - Generators		
Date achieved compliance:	10/21/2004		
Evaluation lead agency:	State		
Evaluation date:	10/18/2004		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	State Statute or Regulation		
Date achieved compliance:	10/21/2004		
Evaluation lead agency:	State		
Evaluation date:	10/18/2004		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	State Statute or Regulation		
Date achieved compliance:	10/18/2004		
Evaluation lead agency:	State		
Evaluation date:	02/01/2002		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	Not reported		
Date achieved compliance:	Not reported		
Evaluation lead agency:	State		
Evaluation date:	08/08/2000		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	TSD IS-General Facility Standards		
Date achieved compliance:	01/11/2001		
Evaluation lead agency:	State		
Evaluation date:	08/08/2000		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	Used Oil - Generators		
Date achieved compliance:	01/11/2001		
Evaluation lead agency:	State		
Evaluation date:	08/08/2000		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	TSD IS-Landfill Standards		
Date achieved compliance:	01/11/2001		
Evaluation lead agency:	State		
Evaluation date:	08/08/2000		
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE		
Area of violation:	TSD IS-Contingency Plan and Emergency Procedures		
Date achieved compliance:	01/11/2001		
Evaluation lead agency:	State		

Database(s)

EDR ID Number EPA ID Number

1001960243

#### GSE HOLDINGS INC (Continued)

Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	, 08/08/2000 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General 01/11/2001 State
Evaluation date:	08/08/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD IS-General
Date achieved compliance:	08/08/2001
Evaluation lead agency:	State
Evaluation date:	08/08/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	State Statute or Regulation
Date achieved compliance:	01/11/2001
Evaluation lead agency:	State
Evaluation date:	08/08/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	01/11/2001
Evaluation lead agency:	State
Evaluation date:	08/08/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD IS-Container Use and Management
Date achieved compliance:	01/11/2001
Evaluation lead agency:	State
Evaluation date:	08/08/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	01/11/2001
Evaluation lead agency:	State
Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency: FINDS:	08/08/2000 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - Manifest 01/11/2001 State

Registry ID: 110005970315

Environmental Interest/Information System

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

Database(s)

EDR ID Number EPA ID Number

#### **GSE HOLDINGS INC (Continued)**

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

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.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

5 North 1/8-1/4 0.213 mi. 1127 ft.	12165 US 41 N FINDS   PALMETTO, FL 34221		
Relative: Higher Actual: 4 ft.	RCRA-SQG: Date form received by agency Facility name: Facility address: EPA ID: Mailing address: Contact: Contact country: Contact country: Contact telephone: Contact telephone: Contact email: EPA Region: Land type: Classification: Description:	y: 08/09/1989 AJAX PAVING INDUSTRIES INC - FLORIDA 12165 US HIGHWAY 41 N PALMETTO, FL 342217709 FLD982165730 RT A BOX 79-A PUNTA GORDA, FL 33955 0 RUSS OSTRANDER RT A BOX 79-A PUNTA GORDA, FL 33955 0 US 8135434544 Not reported 04 Other land type Small Small Quantity Generator Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg hazardous waste at any time; or generates 100 kg or less of hazardous	of s
	Owner/Operator Summary: Owner/operator name: Owner/operator address: Owner/operator country: Owner/operator telephone: Legal status:	OSTRANDER RUSS ROUTE A BOX 79-A PUNTA GORDA, FL 33955 US Not reported Private	

Database(s)

EDR ID Number EPA ID Number

	71 -	
Owner/Op start d Owner/Op end da		11/13/1997 Not reported
owner op end de		
Handler Activities Su	ummary:	
U.S. importer of h	nazardous was	ste: No
Mixed waste (haz	. and radioact	ive): No
Recycler of hazar	rdous waste:	No
Transporter of hazardous waste: Treater, storer or disposer of HW:		: No
		W: No
Underground inje	ction activity:	No
On-site burner ex	emption:	No
Furnace exemption	on:	No
Used oil fuel burn	ner:	No
Used oil processo	or:	No
User oil refiner:		No
Used oil fuel mar		
Used oil Specifica		
Used oil transfer		No
Used oil transpor		No
Off-site waste rec	eiver:	Commercial status unknown
Violation Status:	I	No violations found
Evaluation Action St	ummary:	
Evaluation date:		04/19/1988
Evaluation:	(	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	I	Not reported
Date achieved co	mpliance: I	Not reported
	•	Not reported State
Date achieved co	•	•
Date achieved co Evaluation lead a	•	State
Date achieved co Evaluation lead a FINDS: Registry ID:	gency:	433795
Date achieved co Evaluation lead a FINDS:	gency: 1100074 terest/Informat	State 433795 tion System
Date achieved co Evaluation lead a FINDS: Registry ID:	gency: 1100074 terest/Informat AFS (Aeromo	State 433795 tion System etric Information Retrieval System (AIRS) Facility
Date achieved co Evaluation lead a FINDS: Registry ID:	gency: 110007 terest/Informat AFS (Aeromo Subsystem)	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aeromo Subsystem) National Emi	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for
Date achieved co Evaluation lead a FINDS: Registry ID:	gency: 110007 terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D information c	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is
Date achieved co Evaluation lead a FINDS: Registry ID:	gency: 1100074 terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D information c used to track	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is a emissions and compliance data from industrial plants.
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D information c used to track AFS data are	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is a emissions and compliance data from industrial plants. a utilized by states to prepare State Implementation Plans
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D information c used to track AFS data are to comply wit	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is a emissions and compliance data from industrial plants. e utilized by states to prepare State Implementation Plans th regulatory programs and by EPA as an input for the
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aeroma Subsystem) i National Emi Aerometric D information c used to track AFS data are to comply wit estimation of redesign to s	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is e emissions and compliance data from industrial plants. e utilized by states to prepare State Implementation Plans th regulatory programs and by EPA as an input for the total national emissions. AFS is undergoing a major support facility operating permits required under Title V
Date achieved co Evaluation lead a FINDS: Registry ID:	gency: 110007 terest/Informat AFS (Aeroma Subsystem) i National Emi Aerometric D information c used to track AFS data are to comply wit estimation of	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is e emissions and compliance data from industrial plants. e utilized by states to prepare State Implementation Plans th regulatory programs and by EPA as an input for the total national emissions. AFS is undergoing a major support facility operating permits required under Title V
Date achieved co Evaluation lead a FINDS: Registry ID:	terest/Informat AFS (Aerome Subsystem) i National Emi Aerometric D information c used to track AFS data are to comply wit estimation of redesign to s of the Clean The NEI (Nat	State 433795 tion System etric Information Retrieval System (AIRS) Facility replaces the former Compliance Data System (CDS), the ssion Data System (NEDS), and the Storage and Retrieval Data (SAROAD). AIRS is the national repository for concerning airborne pollution in the United States. AFS is e emissions and compliance data from industrial plants. e utilized by states to prepare State Implementation Plans th regulatory programs and by EPA as an input for the total national emissions. AFS is undergoing a major support facility operating permits required under Title V

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

Database(s)

EDR ID Number EPA ID Number

1000438990

## AJAX PAVING INDUSTRIES INC - FLORIDA (Continued)

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.

Database(s)

EDR ID Number EPA ID Number

# COMMERCIAL CARRIER CORP (Continued)

	ontinueu)
Disch Cleanup Status Date: Cleanup Work Status: Information Source: Other Source Description: Eligibility Indicator: Site Manager: Site Mgr End Date: Tank Office:	02/04/2002 COMBINED D - DISCHARGE NOTIFICATION Not reported I - I Not reported Not reported
Discharge Date: PCT Discharge Combined: Cleanup Required: Discharge Cleanup Status: Disch Cleanup Status Date: Cleanup Work Status: Information Source: Other Source Description: Eligibility Indicator: Site Manager: Site Mgr End Date:	12/01/1988 Not reported N - NO CLEANUP REQUIRED NREQ - CLEANUP NOT REQUIRED 05/29/2001 COMPLETED E - EDI Not reported I - I Not reported Not reported Not reported
Tank Office:	-
Petroleum Cleanup Program Eligik	-
Facility ID: Discharge Date: Pct Discharge Combined With: Cleanup Required: Discharge Cleanup Status: Disch Cleanup Status Date: Cleanup Work Status: Information Source: Other Source Description: Application Received Date: Cleanup Program: Eligibility Status: Elig Status Date: Letter Of Intent Date: Redetermined: Inspection Date: Site Manager: Site Manager: Site Mgr End Date: Tank Office: Deductible Amount: Deductible Paid To Date: Co-Pay Amount: Co-Pay Paid To Date:	Not reported Not reported
Cap Amount: Contaminated Media:	Not reported
Discharge Date: Pct Discharge Combined With: Cleanup Required: Discharge Cleanup Status: Disch Cleanup Status Date: Cleanup Work Status: Information Source: Other Source Description: Elig Indicator: Site Manager:	Not reported Not reported

#### U001360522

Database(s)

EDR ID Number EPA ID Number

# COMMERCIAL CARRIER CORP (Continued)

	-	
	Site Mgr End Date:	Not reported
	Tank Office:	Not reported
	Contaminated Drinking Wells:	Not reported
	Contaminated Monitoring Well:	Not reported
	Contaminated Soil:	Not reported
	Contaminated Surface Water:	Not reported
	Contaminated Ground Water:	Not reported
	Pollutant:	Not reported
	Pollutant Other Description:	Not reported
	Gallons Discharged:	Not reported
Та	ask Information:	
	District:	SWD
	Facility ID:	8624126
	Facility Status:	OPEN
	Facility Type:	C - Fuel user/Non-retail -
	County:	MANATEE
	County ID:	41
	Cleanup Eligibility Status:	1
	Source Effective Date:	Not reported
	Discharge Date:	10-09-1996
	Cleanup Required:	C - COMBINED CLEANUP REQUIRED
	Discharge Cleanup Status:	DNR - DISCHARGE NOTIFICATION RECEIVED
	Disch Cleanup Status Date:	02-04-2002
	SRC Action Type:	-
	SRC Submit Date:	Not reported
	SRC Review Date:	Not reported
	SRC Completion Status:	-
	SRC Issue Date:	Not reported
	SRC Comment:	Not reported
	Cleanup Work Status:	COMBINED
	Site Mgr:	Not reported
	Site Mgr End Date:	Not reported
	Tank Office:	-
	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 Da	telot reported
	SR Alternate Procedure Status:	Not reported
	SR Alternate Procedure Status	Datereported
	SR Alternate Procedure Comme	
	SA Task ID:	Not reported
	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

### U001360522

Database(s)

EDR ID Number EPA ID Number

#### **COMMERCIAL CARRIER CORP** (Continued)

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: Not reported RA Cleanup Responsible: RA Funding Eligibility Type: RA Years to Complete: Not reported Not reported RA Actual Cost: District: SWD Facility ID: 8624126 Facility Status: OPEN Facility Type: C - Fuel user/Non-retail -County: MANATEE County ID: 41 Cleanup Eligibility Status: Т Source Effective Date: Not reported Discharge Date: 12-01-1988 **Cleanup Required:** N - NO CLEANUP REQUIRED Discharge Cleanup Status: **NREQ - CLEANUP NOT REQUIRED** Disch Cleanup Status Date: 05-29-2001 SRC Action Type: SRC Submit Date: Not reported SRC Review Date: Not reported SRC Completion Status: SRC Issue Date: Not reported SRC Comment: Not reported COMPLETED Cleanup Work Status: Site Mgr: Not reported Site Mgr End Date: Not reported Tank Office: SR Task ID: 50832 SR Cleanup Responsible: ST - STATE 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 Not reported SR Soil Tonnage Removed: SR Soil Treatment: Not reported SR Other Treatment: Not reported SR Alternate Proc Received Date to reported SR Alternate Procedure Status: Not reported SR Alternate Procedure Status Datereported SR Alternate Procedure Commentist reported SA Task ID: 50833 SA Cleanup Responsible: ST - STATE SA Funding Eligibility Type: SA Actual Cost: Not reported SA Completion Date: Not reported SA Payment Date: Not reported RAP Task ID: 50834

Database(s)

EDR ID Number EPA ID Number

## U001360522

## COMMERCIAL CARRIER CORP (Continued)

RAP Cleanup Responsible ID:	ST - STATE
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:	50835
RA Cleanup Responsible:	ST - STATE
RA Funding Eligibility Type:	-
RA Years to Complete:	Not reported
RA Actual Cost:	Not reported

## UST:

UST: Facility ID: Facility Phone: Facility Status: Facility Type: Type Description: DEP Contrctr Own: Lat/Long (dms): Positioning Method: Region:	OPEN Fuel U	729-3841
Owner: Owner Id: Owner Name: Owner Address: Owner Address 2: Owner City,St,Zip: Owner Contact: Owner Phone:		4498 CCC TRANSPORTATION PO DRAWER 67 ATTN: LUKE CAIN AUBURNDALE, FL 33823 LUKE CAIN (863) 967-1101
Tank Id: Tank Location: Substance: Content Description: Vessel Indicator: Gallons: Install Date: Status: Status Date:	Vehicu Vehicu TANK 12000 01-JUI Remov	
Construction: Construction Category Construction Descripti		Not reported Not reported
Monitoring: Monitoring Description	1:	Not reported
Piping: Piping Category: Piping Description:		Not reported Not reported
Tank Id:	2	

l ank ld:	2
Tank Location:	UNDERGROUND

Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL CARRIER CORP (Continued)

OWIMERCIAL CARRIER C	JURF (	continued)
Substance: Content Description: Vessel Indicator: Gallons: Install Date: Status: Status Date:	Vehicu TANK 12000 01-JUI Remov	L-1983
Construction: Construction Category Construction Description		Not reported Not reported
Monitoring: Monitoring Description	:	Not reported
Piping: Piping Category: Piping Description:		Not reported Not reported
Tank Id: Tank Location: Substance: Content Description: Vessel Indicator: Gallons: Install Date: Status: Status Date:	Vehicu Vehicu TANK 12000 01-JUI Remov	L-1983
Construction: Construction Category Construction Description	r: on:	Not reported Not reported
Monitoring: Monitoring Description	:	Not reported
Piping: Piping Category: Piping Description:		Not reported Not reported
Tank Id: Tank Location: Substance: Content Description: Vessel Indicator: Gallons: Install Date: Status: Status Date: Construction:	Vehicu Vehicu TANK 12000 01-JUI Remov	L-1983
Construction Category Construction Description		Not reported Not reported

Database(s)

EDR ID Number EPA ID Number

Monitoring: Monitoring Descripti	on: Not reported
Piping: Piping Category: Piping Description:	Not reported Not reported
Tank Id: Tank Location: Substance: Content Description Vessel Indicator: Gallons: Install Date: Status: Status: Status Date:	5 UNDERGROUND Waste oil TANK 2000 01-JUL-1983 Removed 19-NOV-1996
Construction: Construction Catego Construction Descri	
Monitoring: Monitoring Descripti	on: Not reported
Piping: Piping Category: Piping Description:	Not reported Not reported
Tank Id:	

COMMERCIAL CARRIER CORP (Continued)

i di int i di	•	
Tank Location:	UNDE	RGROUND
Substance:	New/lu	ıbe oil
Content Description:	New/L	ube Oil
Vessel Indicator:	TANK	
Gallons:	4000	
Install Date:	01-JUI	1983
Status:	Remov	/ed
Status Date:	19-NO	V-1996
Construction: Construction Category Construction Description		Not reported Not reported
Monitoring: Monitoring Description	:	Not reported
Piping: Piping Category: Piping Description:		Not reported Not reported

## AST:

451:	
Facility ID:	8624126
Facility Phone:	(941) 729-3841

Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL CARRIER CORP (Continued)

DEP Contrctr Own: No Lat/Long (dms):		ser/Non-retail 27 27 34 / 82 32 26	
Positioning Method: Region:		AGPS STATE	
Owner: Owner Id: Owner Name: Owner Address: Owner Address 2: Owner City,St,Zip: Owner Contact: Owner Phone:		4498 CCC TRANSPORTATION PO DRAWER 67 ATTN: LUKE CAIN AUBURNDALE, FL 33823 LUKE CAIN (863) 967-1101	
Tank Id: Gallons: Tank Location: Substance: Content Description: Install Date: Status: Status Date:	Waste Waste 01-OC Temp		
Construction: Construction Category Construction Descripti	r: on:	Primary Construction Steel	
Construction Category Construction Descripti		Overfill/Spill Level gauges/alarms	
Construction Category Construction Descripti		Secondary Containment Double wall	
Construction Category Construction Descripti		Miscellaneous Attributes Compartmented	
Construction Category Construction Descripti		Overfill/Spill Tight fill	
Construction Category Construction Descripti		Overfill/Spill Spill containment bucket	
Monitoring: Monitoring Description	:	Visual inspection of ASTs	
Monitoring Description	:	Monitor dbl wall tank space	
Piping: Piping Category: Piping Description:		Primary Construction Steel/galvanized metal	
Piping Category: Piping Description:		Miscellaneous Attributes Abv, no soil contact	

Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL CARRIER CORP (Continued)

Tank Id: Gallons: Tank Location: Substance: Content Description: Install Date: Status: Status Date:	Vehicu Vehicu 01-OC Temp	EGROUND ular diesel ular Diesel CT-1996 out of service out of service
Construction: Construction Category Construction Description		Primary Construction Steel
Construction Category Construction Description		Overfill/Spill Level gauges/alarms
Construction Category Construction Description		Overfill/Spill Ball check valve
Construction Category Construction Description		Secondary Containment Double wall
Construction Category Construction Description		Miscellaneous Attributes Compartmented
Construction Category Construction Description		Overfill/Spill Spill containment bucket
Construction Category Construction Description		Overfill/Spill Flow shut-Off
Construction Category Construction Description		Overfill/Spill Tight fill
Monitoring: Monitoring Description	1:	Monitor dbl wall tank space
Monitoring Description	1:	Mechanical line leak detector
Monitoring Description	1:	Monitor dbl wall pipe space
Monitoring Description	1:	Visual inspect pipe sumps
Monitoring Description	1	Visual inspect dispenser liners
Piping: Piping Category: Piping Description:		Miscellaneous Attributes Dispenser liners
Piping Category: Piping Description:		Primary Construction Fiberglass
Piping Category: Piping Description:		Secondary Containment Double wall
Piping Category: Piping Description:		Miscellaneous Attributes Pressurized piping system

Database(s)

EDR ID Number EPA ID Number

#### **COMMERCIAL CARRIER CORP** (Continued)

Type Description:

Effective Date: Expire Date:

Onwer Name: Owner Address:

Owner Address2:

Owner City, St, Zip:

Finaincial Responsibility:

Insurance Company:

DEP CO:

Owner ID:

FINANCIAL ASSURANCE 3: Region: 3 Facility ID: 8624126 Facility Phone: (941) 729-3841 Facility Status: OPEN Facility Type: С Type Description: Fuel user/Non-retail DEP CO: Ν Finaincial Responsibility: INSURANCE LIBERTY SURPLUS INSURANCE CORP Insurance Company: Effective Date: 11-JAN-2010 Expire Date: 11-JAN-2011 Owner ID: 4498 CCC TRANSPORTATION Onwer Name: Owner Address: PO DRAWER 67 Owner Address2: ATTN: LUKE CAIN Owner City, St, Zip: AUBURNDALE, FL 33823 Contact: LUKE CAIN **Resp Party Phone:** (863) 967-1101 Region: ٦ Facility ID: 8624126 Facility Phone: (941) 729-3841 Facility Status: OPEN Facility Type: С Type Description: Fuel user/Non-retail DEP CO: Ν Finaincial Responsibility: INSURANCE ZURICH-AMERICAN Insurance Company: Effective Date: 11-JAN-2009 Expire Date: 11-JAN-2010 Owner ID: 4498 CCC TRANSPORTATION Onwer Name: Owner Address: PO DRAWER 67 Owner Address2: ATTN: LUKE CAIN Owner City,St,Zip: AUBURNDALE, FL 33823 Contact: LUKE CAIN Resp Party Phone: (863) 967-1101 FINANCIAL ASSURANCE 3: Region: 3 Facility ID: 8624126 Facility Phone: (941) 729-3841 Facility Status: OPEN Facility Type: С

Fuel user/Non-retail

CCC TRANSPORTATION

AUBURNDALE, FL 33823

LIBERTY SURPLUS INSURANCE CORP

INSURANCE

11-JAN-2010

11-JAN-2011 4498

PO DRAWER 67

ATTN: LUKE CAIN

Ν

TC2906880.2s	Page	54
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Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL CARRIER CORP (Continued)

OWIWERCIAL CARRIER COR	r (Continued)
Contact:	LUKE CAIN
Resp Party Phone:	(863) 967-1101
reop r arty r none.	
Desien	2
Region:	3
Facility ID:	8624126
Facility Phone:	(941) 729-3841
Facility Status:	OPEN
Facility Type:	С
Type Description:	Fuel user/Non-retail
DEP CO:	N
Finaincial Responsibility:	INSURANCE
Insurance Company:	ZURICH-AMERICAN
Effective Date:	11-JAN-2009
Expire Date:	11-JAN-2010
Owner ID:	4498
Onwer Name:	CCC TRANSPORTATION
Owner Address:	
	PO DRAWER 67
Owner Address2:	ATTN: LUKE CAIN
Owner City,St,Zip:	AUBURNDALE, FL 33823
Contact:	LUKE CAIN
Resp Party Phone:	(863) 967-1101
FINANCIAL ASSURANCE 3:	
	2
Region:	3
Facility ID:	8624126
Facility Phone:	(941) 729-3841
Facility Status:	OPEN
Facility Type:	С
Type Description:	Fuel user/Non-retail
DEP CO:	N
Finaincial Responsibility:	
Insurance Company:	LIBERTY SURPLUS INSURANCE CORP
Effective Date:	11-JAN-2010
Expire Date:	11-JAN-2011
Owner ID:	4498
Onwer Name:	CCC TRANSPORTATION
Owner Address:	PO DRAWER 67
Owner Address2:	
Owner City,St,Zip:	AUBURNDALE, FL 33823
Contact:	LUKE CAIN
Resp Party Phone:	(863) 967-1101
Deview	
Region:	3
Facility ID:	8624126
Facility Phone:	(941) 729-3841
Facility Status:	OPEN
Facility Type:	C
Type Description:	Fuel user/Non-retail
, · · ·	
DEP CO:	N
Finaincial Responsibility:	INSURANCE
Insurance Company:	ZURICH-AMERICAN
Effective Date:	11-JAN-2009
Expire Date:	11-JAN-2010
Owner ID:	4498
Onwer Name:	CCC TRANSPORTATION
Owner Address:	PO DRAWER 67
Owner Address2:	ATTN: LUKE CAIN

Database(s)

EDR ID Number EPA ID Number

## COMMERCIAL CARRIER CORP (Continued)

Owner City,St,Zip: Contact: Resp Party Phone: AUBURNDALE, FL 33823 LUKE CAIN (863) 967-1101

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANATEE COUNTY	S109688951	FDOT- PARRISH PIT SITE DEBRIS STAG	US 301 / ERIE RD.		SWF/LF
MANATEE COUNTY	S109688950	FDOT- SR 64 PIT SITE DEBRIS STAGIN	SR 64 EAST OF I-75		SWF/LF
MANATEE COUNTY	2010935280	FORT MANATEE BERTH 10	FORT MANATEE BERTH 10		ERNS
MANATEE COUNTY	S110334903	MANATEE SOUTHWEST RECLAIMED ASR	5101 65TH STREET WEST		UIC
MANATEE COUNTY	S110334768	LAKE MANATEE ASR	17915 WATERLINE ROAD		UIC
PALMETTO	S108827743		RT 1		DEDB
PALMETTO	A100325594	MANATEE CNTY UTIL LIFT STATION #N1	2508 28TH AVE	34221	AST
PALMETTO	2005610045	BERTH 9 PORT MANATEE	BERTH 9	34221	ERNS
PALMETTO	A100010295	REEDER RANCH & DAIRY	BUCKEYE RD		AST
PALMETTO	1012160689	PORT MANATEE WATER LINE INSTAL	N DOCK ST	34221	FINDS
PALMETTO	S107933369	MANATEE CNTY-FUEL-LIFT-#N1-B	JACKSON RD & 73RD ST	34221	FINANCIAL ASSURANCE
PALMETTO	1009599548	PORT MANATEE TERMINAL	MANATEE PORT AUTHORITY CORD	34221	FINDS
PALMETTO	A100010285	MANATEE SCRAP PROCESSING	MANATEE HILLSBOROUGH CNTY RD	34221	AST
PALMETTO	1011544786	PORT OF MANATEE	MANATEE PORT AUTHORITY CORD	34221	ICIS
PALMETTO	S107797921	PORT MANATEE OIL STORAGE FACILITY	PORT MANATEE	34221	AIRS
PALMETTO	S106901346	MANATEE SCRAP/ J&F SCRAP	PORT MANATEE		VCP
PALMETTO	U004145970	MANATEE CNTY PORT MANATEE SPILL 05	300 REGAL CRUISE WAY	34221	UST
PALMETTO	U004145328	MANATEE CNTY PORT MANATEE SPILL 10	300 REGAL CRUISE WAY	34221	UST
PALMETTO	1011566994	MANATEE COUNTY PORT AUTH	300 REGAL CRUISEWAY	34221	ICIS
PALMETTO	S109332573	FORRISTALL DEVELOPMENT WPF	1312 16TH ST	34221	SWF/LF, FINANCIAL ASSURANCE
PALMETTO	S109354186	TECO PORT MANATEE SITE	NE T33S &	34221	VCP
PALMETTO	S107804780	MANATEE COUNTY PORT AUTHORITY	300 TAMPA BAY WAY		NPDES
PALMETTO	1011423298	MANATEE COUNTY PORT AUTHORITY	300 TAMPA BAY WAY	34221	FINDS

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: 07/02/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 82 Source: EPA Telephone: N/A Last EDR Contact: 10/13/2010 Next Scheduled EDR Contact: 01/24/2011 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

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.

EPA Region 6

EPA Region 7

EPA Region 8

**EPA Region 9** 

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

Date of Government Version: 07/02/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 82

Source: EPA Telephone: N/A Last EDR Contact: 10/13/2010 Next Scheduled EDR Contact: 01/24/2011 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 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/16/2010 Next Scheduled EDR Contact: 11/29/2010 Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 07/02/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 82 Source: EPA Telephone: N/A Last EDR Contact: 10/13/2010 Next Scheduled EDR Contact: 01/24/2011 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 Date Data Arrived at EDR: 02/09/2010 Date Made Active in Reports: 04/12/2010 Number of Days to Update: 62 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 10/01/2010 Next Scheduled EDR Contact: 01/10/2011 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 EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 01/15/2010 Date Made Active in Reports: 02/10/2010 Number of Days to Update: 26 Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 10/13/2010 Next Scheduled EDR Contact: 01/24/2011 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 Date Data Arrived at EDR: 09/02/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 19 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 10/01/2010 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.

Date of Government Version: 05/25/2010 Date Data Arrived at EDR: 06/02/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 124 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: 10/07/2010 Next Scheduled EDR Contact: 01/17/2011 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: 10/07/2010 Next Scheduled EDR Contact: 01/17/2011 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: 10/07/2010 Next Scheduled EDR Contact: 01/17/2011 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: 10/07/2010 Next Scheduled EDR Contact: 01/17/2011 Data Release Frequency: Varies

#### 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 Date Data Arrived at EDR: 01/20/2010 Date Made Active in Reports: 04/12/2010 Number of Days to Update: 82 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 09/13/2010 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 Date Data Arrived at EDR: 07/09/2010 Date Made Active in Reports: 08/17/2010 Number of Days to Update: 39 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 10/06/2010 Next Scheduled EDR Contact: 01/17/2011 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: 06/23/2010 Date Data Arrived at EDR: 09/02/2010 Date Made Active in Reports: 10/07/2010 Number of Days to Update: 35 Source: Department of Environmental Protection Telephone: 850-488-0190 Last EDR Contact: 09/02/2010 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.

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: 10/26/2010 Next Scheduled EDR Contact: 02/07/2011 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: 09/01/2010 Date Data Arrived at EDR: 09/17/2010	Source: Department of Environmental Protection Telephone: 850-245-8839
Date Made Active in Reports: 10/07/2010	Last EDR Contact: 09/17/2010
Number of Days to Update: 20	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: 08/30/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2010	Telephone: 415-972-3372
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

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 Date Data Arrived at EDR: 05/27/2010 Date Made Active in Reports: 08/09/2010 Number of Days to Update: 74 Source: EPA Region 8 Telephone: 303-312-6271 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: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-8677
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 35	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: 08/05/2010	Source: EPA Region 10
Date Data Arrived at EDR: 08/06/2010	Telephone: 206-553-2857
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 59	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	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 LUST R6: Leaking Underground Storage Tanks on Indian Land	
LUSTs on Indian land in New Mexico and Oklahoma.	

Date of Government Version: 08/05/2010 Date Data Arrived at EDR: 08/06/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 59 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

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

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

## 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: 09/01/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/17/2010	Telephone: 850-245-8839
Date Made Active in Reports: 10/08/2010	Last EDR Contact: 09/17/2010
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/22/2010
	Data Release Frequency: Quarterly
AST: STI02 - Facility/Owner/Tank Report	

Date of Government Version: 09/01/2010Source: Department of Environmental ProtectionDate Data Arrived at EDR: 09/17/2010Telephone: 850-245-8839Date Made Active in Reports: 10/08/2010Last EDR Contact: 09/17/2010Number of Days to Update: 21Next Scheduled EDR Contact: 11/22/2010Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

Registered Aboveground Storage Tanks.

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 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: 08/05/2010	Source: EPA Region 10
Date Data Arrived at EDR: 08/06/2010	Telephone: 206-553-2857
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Quarterly

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

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

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 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

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: 08/30/2010 Date Data Arrived at EDR: 08/30/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 35 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 08/02/2010 Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

### 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 Date Data Arrived at EDR: 02/11/2010 Date Made Active in Reports: 04/12/2010 Number of Days to Update: 60 Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 08/02/2010 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: 08/03/2010	Source: EPA Region 6
Date Data Arrived at EDR: 08/04/2010	Telephone: 214-665-7591
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 08/02/2010
Number of Days to Update: 61	Next Scheduled EDR Contact: 11/15/2010
	Data Release Frequency: Semi-Annually

## 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: 08/27/2010 Date Data Arrived at EDR: 08/30/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 35 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 08/02/2010 Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Semi-Annually

## 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

FF TANKS: Federal Facilities Listing

A listing of federal facilities with storage tanks.

Date of Government Version: 07/09/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/12/2010	Telephone: 850-245-8250
Date Made Active in Reports: 07/30/2010	Last EDR Contact: 10/18/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Quarterly

## 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: 10/13/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/14/2010	Telephone: 850-245-8927
Date Made Active in Reports: 10/20/2010	Last EDR Contact: 10/12/2010
Number of Days to Update: 6	Next Scheduled EDR Contact: 01/24/2011
	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: 10/13/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/14/2010	Telephone: 850-245-8927
Date Made Active in Reports: 10/20/2010	Last EDR Contact: 10/12/2011
Number of Days to Update: 6	Next Scheduled EDR Contact: 01/24/2011
	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	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/04/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Varies

## VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 08/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/01/2010	Telephone: 850-245-8705
Date Made Active in Reports: 10/07/2010	Last EDR Contact: 08/30/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 12/13/2010
	Data Release Frequency: Varies

## INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 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 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 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 Acti 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: 10/11/2010 Date Data Arrived at EDR: 10/13/2010 Date Made Active in Reports: 10/20/2010 Number of Days to Update: 7 Source: Department of Environmental Protection Telephone: 850-245-8927 Last EDR Contact: 10/13/2010 Next Scheduled EDR Contact: 01/24/2011 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 Date Data Arrived at EDR: 06/25/2010 Date Made Active in Reports: 08/17/2010 Number of Days to Update: 53 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 09/29/2010 Next Scheduled EDR Contact: 01/10/2011 Data Release Frequency: Semi-Annually

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137 Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/18/2010 Next Scheduled EDR Contact: 01/10/2011 Data Release Frequency: Varies

#### ODI: Open Dump Inventory

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

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

#### 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 Date Data Arrived at EDR: 06/18/2010 Date Made Active in Reports: 08/17/2010 Number of Days to Update: 60 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 09/17/2010 Next Scheduled EDR Contact: 12/20/2010 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 Date Data Arrived at EDR: 05/09/1994 Date Made Active in Reports: 08/04/1994 Number of Days to Update: 87 Source: Department of Environmental Protection Telephone: 850-245-8705 Last EDR Contact: 03/24/1994 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.

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	Source: U.S
Date Data Arrived at EDR: 04/07/2010	Telephone:
Date Made Active in Reports: 05/27/2010	Last EDR C
Number of Days to Update: 50	Next Sched
	Data Dalaas

Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 10/07/2010 Next Scheduled EDR Contact: 01/17/2011 Data Release Frequency: Annually

## SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 08/09/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/10/2010	Telephone: 850-488-2974
Date Made Active in Reports: 08/27/2010	Last EDR Contact: 10/18/2010
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/31/2011
	Data Release Frequency: Semi-Annually

#### 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: 10/07/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Varies

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010	Source: Department of Transporation, 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 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62 Source: USGS Telephone: 703-692-8801 Last EDR Contact: 10/28/2010 Next Scheduled EDR Contact: 01/31/2011 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
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 09/14/2010 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: 10/04/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/17/2011
	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 Date Data Arrived at EDR: 06/16/2010 Date Made Active in Reports: 08/17/2010 Number of Days to Update: 62 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 09/15/2010 Next Scheduled EDR Contact: 12/27/2010 Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 12/14/2009 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 10/04/2010 Number of Days to Update: 5	Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 09/01/2010 Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Varies
MINES: Mines Master Index File Contains all mine identification numbers issue violation information.	ed for mines active or opened since 1971. The data also includes
Date of Government Version: 05/07/2010 Date Data Arrived at EDR: 06/09/2010 Date Made Active in Reports: 08/30/2010 Number of Days to Update: 82	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 09/09/2010 Next Scheduled EDR Contact: 12/20/2010 Data Release Frequency: Semi-Annually
TRIS: Toxic Chemical Release Inventory System Toxic Release Inventory System. TRIS identii Iand in reportable quantities under SARA Title	fies facilities which release toxic chemicals to the air, water and III Section 313.
Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/13/2010 Date Made Active in Reports: 02/18/2010 Number of Days to Update: 36	Source: EPA Telephone: 202-566-0250 Last EDR Contact: 09/01/2010 Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Annually
	es manufacturers and importers of chemical substances included on the acludes data on the production volume of these substances by plant
Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006 Number of Days to Update: 46	Source: EPA Telephone: 202-260-5521 Last EDR Contact: 10/01/2010 Next Scheduled EDR Contact: 01/10/2011 Data Release Frequency: Every 4 Years
FTTS tracks administrative cases and pestici	ederal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) de enforcement actions and compliance activities related to FIFRA, I Community Right-to-Know Act). To maintain currency, EDR contacts the
Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25	Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667 Last EDR Contact: 08/30/2010 Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Quarterly
FTTS INSP: FIFRA/ TSCA Tracking System - FIFF A listing of FIFRA/TSCA Tracking System (FT	RA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) (TS) inspections and enforcements.
Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25	Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/30/2010 Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	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 Date Data Arrived at EDR: 01/06/2010 Date Made Active in Reports: 02/10/2010 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 08/16/2010 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 Date Data Arrived at EDR: 04/29/2010 Date Made Active in Reports: 05/17/2010 Number of Days to Update: 18 Source: Environmental Protection Agency Telephone: 202-564-5088 Last EDR Contact: 09/27/2010 Next Scheduled EDR Contact: 01/10/2011 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

#### 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 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 08/09/2010 Number of Days to Update: 26 Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 10/14/2010 Next Scheduled EDR Contact: 01/24/2011 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 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010 Number of Days to Update: 41 Source: EPA Telephone: (404) 562-9900 Last EDR Contact: 09/15/2010 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: 04/17/1995SourceDate Data Arrived at EDR: 07/03/1995TelepDate Made Active in Reports: 08/07/1995Last INumber of Days to Update: 35Next

Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

## 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: EPA/NTIS
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
Number of Days to Opdate. 76	Data Release Frequency: Biennially

waste below the lowermost USDW.	ed to inject hazardous waste, nonhazardous waste, or municipal
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 permitted dry cleaner facilities.	e Department of Environmental Protection, provides information abo
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
	at has been detected in drinking water wells. The amount found stated in Chapter 62-550 or 520. It is a potential threat to public heal
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: 10/12/2010 Next Scheduled EDR Contact: 01/10/2011 Data Release Frequency: Varies
WASTEWATER: Wastewater Facility Regulation D 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 perm	its.
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
TIER 2: Tier 2 Facility Listing A listing of facilities which store or manufactu	re hazardous materials that submit a chemical inventory report.
Date of Government Version: 09/28/2009 Date Data Arrived at EDR: 10/08/2009 Date Made Active in Reports: 10/27/2009 Number of Days to Update: 19	Source: Department of Environmental Protection Telephone: 850-413-9970 Last EDR Contact: 09/20/2010 Next Scheduled EDR Contact: 01/03/2011 Data Release Frequency: Varies

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: 10/18/2010 Next Scheduled EDR Contact: 01/31/2011 Data Release Frequency: No Update Planned	
INDIAN RESERV: Indian Reservations This map layer portrays Indian administered la than 640 acres.	ands of the United States that have any area equal to or greater	
Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 34	Source: USGS Telephone: 202-208-3710 Last EDR Contact: 10/28/2010 Next Scheduled EDR Contact: 01/31/2011 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 Date Data Arrived at EDR: 05/13/2010 Date Made Active in Reports: 08/17/2010 Number of Days to Update: 96	Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 10/25/2010 Next Scheduled EDR Contact: 02/07/2011 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	
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	
FINANCIAL ASSURANCE: Financial Assurance Inf A list of hazardous waste facilities required to	5	
Date of Government Version: 08/30/2010 Date Data Arrived at EDR: 09/01/2010 Date Made Active in Reports: 10/07/2010 Number of Days to Update: 36	Source: Department of Environmental Protection Telephone: 850-245-8793 Last EDR Contact: 08/23/2010 Next Scheduled EDR Contact: 11/22/2010 Data Release Frequency: Varies	
COAL ASH DOE: Sleam-Electric Plan Operation Da A listing of power plants that store ash in surfa		
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: 10/28/2010 Next Scheduled EDR Contact: 01/31/2011 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 rating	s.

Date of Government Version: 11/09/2009 Date Data Arrived at EDR: 12/18/2009 Date Made Active in Reports: 02/10/2010 Number of Days to Update: 54

Source: Environmental Protection Agency Telephone: N/A Last EDR Contact: 09/15/2010 Next Scheduled EDR Contact: 12/27/2010 Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/10/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005 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: 10/28/2010 Next Scheduled EDR Contact: 01/31/2011 Data Release Frequency: N/A

#### 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

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

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: 09/09/2010
Date Data Arrived at EDR: 09/10/2010
Date Made Active in Reports: 10/08/2010
Number of Days to Update: 28

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: 09/09/2010Source: Broward County Environmental Protection DepartmentDate Data Arrived at EDR: 09/10/2010Telephone: 954-818-7509Date Made Active in Reports: 10/08/2010Last EDR Contact: 09/09/2010Number of Days to Update: 28Next Scheduled EDR Contact: 12/20/2010Data Release Frequency: Annually

## MIAMI-DADE COUNTY:

### Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 09/08/2010	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 09/09/2010	Telephone: 305-372-6755
Date Made Active in Reports: 10/07/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/20/2010
	Data Release Frequency: Semi-Annually

### Grease Trap Sites

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

Date of Government Version: 09/08/2010	Source: Dade County Dept. of Env. Resources Mgmt.
Date Data Arrived at EDR: 09/09/2010	Telephone: 305-372-6508
Date Made Active in Reports: 10/07/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 28	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: 09/08/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 10/07/2010 Number of Days to Update: 28 Source: DERM Telephone: 305-372-3576 Last EDR Contact: 09/09/2010 Next Scheduled EDR Contact: 12/20/2010 Data Release Frequency: Quarterly

## Maimi 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: 09/08/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 10/07/2010 Number of Days to Update: 28 Source: DERM Telephone: 305-372-3576 Last EDR Contact: 09/09/2010 Next Scheduled EDR Contact: 12/20/2010 Data Release Frequency: Quarterly

#### 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: 09/08/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 10/07/2010	Source: Department of Environmental Resources Management Telephone: 305-372-6700 Last EDR Contact: 09/09/2010
Number of Days to Update: 28	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: 09/08/2010	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 09/09/2010	Telephone: 305-372-6755
Date Made Active in Reports: 10/07/2010	Last EDR Contact: 09/09/2010
Number of Days to Update: 28	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	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 01/13/2009	Telephone: 305-372-6755
Date Made Active in Reports: 02/05/2009	Last EDR Contact: 09/09/2010
Number of Days to Update: 23	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: 09/08/2010 Date Data Arrived at EDR: 09/09/2010 Date Made Active in Reports: 10/08/2010 Number of Days to Update: 29 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.

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: 10/19/2010 Next Scheduled EDR Contact: 01/31/2011 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: 07/28/2010 Date Data Arrived at EDR: 08/11/2010 Date Made Active in Reports: 09/24/2010 Number of Days to Update: 44

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

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

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

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

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

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 09/20/2010 Next Scheduled EDR Contact: 01/03/2011 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.

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' 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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

## TARGET PROPERTY ADDRESS

52-ACRE PARCEL IN MANATEE COUNTY 11805 NORTH US HIGHWAY 41 PALMETTO, FL 34221

## TARGET PROPERTY COORDINATES

Latitude (North):	27.61910 - 27° 37' 8.8"
Longitude (West):	82.5414 - 82° 32' 29.0"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	347902.7
UTM Y (Meters):	3055788.0
Elevation:	4 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	27082-E5 PALMETTO, FL
Most Recent Revision:	1987
North Map:	27082-F5 COCKROACH BAY, FL
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

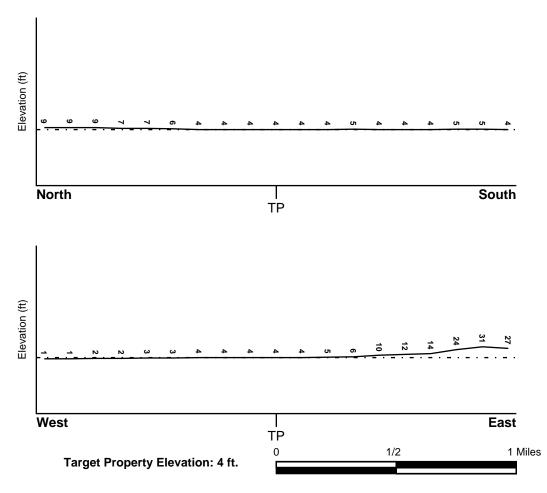
## **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County MANATEE, FL	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1201530181C - FEMA Q3 Flood data
Additional Panels in search area:	1201530018C - FEMA Q3 Flood data 1201530019B - FEMA Q3 Flood data 1201530182C - FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NM/I Qued at Target Preparty	NWI Electronic
NWI Quad at Target Property PALMETTO	Data Coverage YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:	
Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY**

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

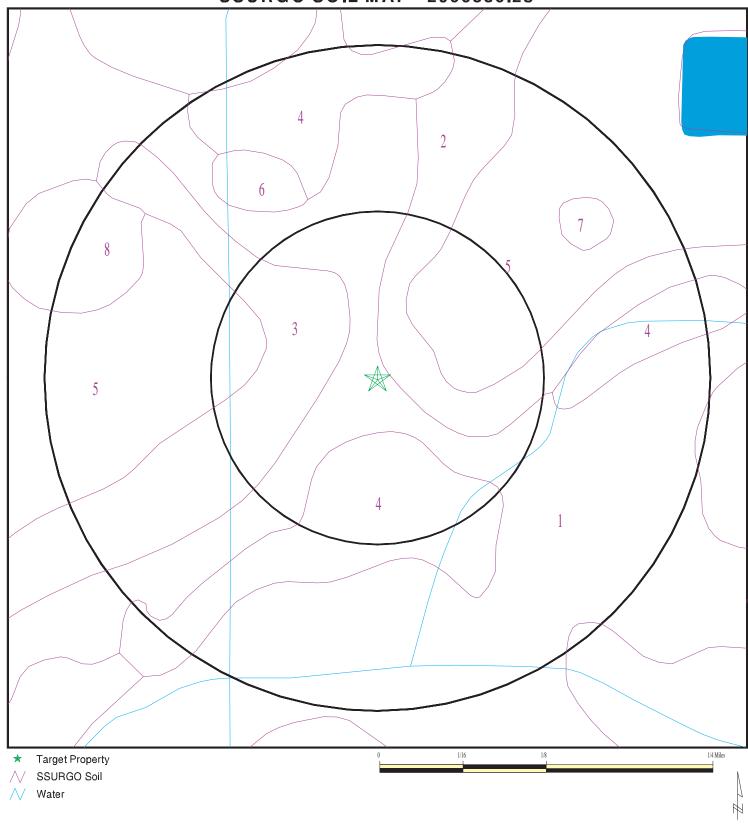
## **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic Category:	Stratified Sequence
System:	Tertiary	
Series:	Miocene	
Code:	Tm (decoded above as Era, System & Series)	

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

SSURGO SOIL MAP - 2906880.2s



	52-Acre Parcel in Manatee County 11805 North US Highway 41
	Palmetto FL 34221
LAT/LONG:	27.6191/82.5414

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1	
Soil Component Name:	Bradenton
Soil Surface Texture:	fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 31 inches

	Boundary			Classification		Saturated hydraulic		
Layer	Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	Not reported	Max: 141 Min: 14	Max: Min:	
2	5 inches	12 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	Not reported	Max: 141 Min: 14	Max: Min:	
3	12 inches	46 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Fine Sand.	Not reported	Max: 141 Min: 14	Max: Min:	
4	46 inches	77 inches	bedrock	Granular materials (35 pct. or less passing No. 200), Fine Sand.	Not reported	Max: 141 Min: 14	Max: Min:	

## Soil Map ID: 2

Soil Component Name:	Wabasso
Soil Surface Texture:	fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 31 inches

	Soil Layer Information								
	Boundary			Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	20 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4		
2	20 inches	31 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4		
3	31 inches	37 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4		
4	37 inches	64 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4		
5	64 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4		

Soil	Мар	ID: 3
	map	

Soil Component Name:	Wulfert
Soil Surface Texture:	muck
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Very poorly drained
Hydric Status: All hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 8 inches

Layer	Boundary			Classification		Saturated hydraulic	
	Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec
1	0 inches	11 inches	muck	Not reported	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:
2	11 inches	35 inches	muck	Not reported	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:
3	35 inches	59 inches	fine sand	Not reported	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 4	
Soil Component Name:	Chobee
Soil Surface Texture:	loamy fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 8 inches

	Soil Layer Information								
	Boundary			Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	7 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 1.4	Max: 8.4 Min: 7.4		
2	7 inches	51 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 1.4	Max: 8.4 Min: 7.4		
3	51 inches	79 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 1.4	Max: 8.4 Min: 7.4		

Soil Map ID: 5	
Soil Component Name:	EauGallie
Soil Surface Texture:	fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 31 inches

	1		Son Layer	r Information			
	Βοι	Indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reactior (pH)
1	0 inches	27 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.8 Min: 4.5
2	27 inches	42 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.8 Min: 4.5
3	42 inches	50 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.8 Min: 4.5
4	50 inches	64 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.8 Min: 4.5

Soil Map ID: 6	
Soil Component Name:	Floridana
Soil Surface Texture:	fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Very poorly drained
Hydric Status: All hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 8 inches

	Soil Layer Information						
	Bou	Indary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
2	14 inches	31 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
3	31 inches	64 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 7	
Soil Component Name:	Delray
Soil Surface Texture:	fine sand
Hydrologic Group:	Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
Soil Drainage Class:	Very poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 8 inches

	Soil Layer Information						
	Βοι	Indary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.6
2	14 inches	55 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.6
3	55 inches	79 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 42 Min: 4	Max: 7.8 Min: 6.6

Soil Map ID: 8	
Soil Component Name:	Floridana
Soil Surface Texture:	fine sand
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Very poorly drained
Hydric Status: All hydric	
Corrosion Potential - Uncoated Steel:	Moderate
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

			Soil Layer	Information			
	Βοι	indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	18 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
2	18 inches	35 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
3	35 inches	62 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5

## LOCAL / REGIONAL WATER AGENCY RECORDS

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

## WELL SEARCH DISTANCE INFORMATION

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

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4 8	USGS2291441 USGS2291435	1/4 - 1/2 Mile NNE 1/4 - 1/2 Mile East

## FEDERAL USGS WELL INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
	USGS2291444	1/4 - 1/2 Mile NE
C18	USGS2291442	1/2 - 1 Mile ENE
D19	USGS2291437	1/2 - 1 Mile ENE
22	USGS2291459	1/2 - 1 Mile NE
D23	USGS2291436	1/2 - 1 Mile ENE
F27	USGS2291261	1/2 - 1 Mile North
D30	USGS2291438	1/2 - 1 Mile ENE
F32	USGS2291262	1/2 - 1 Mile North
F33	USGS2291264	1/2 - 1 Mile North
F34	USGS2291267	1/2 - 1 Mile North
137	USGS2291422	1/2 - 1 Mile South
J38	USGS2291263	1/2 - 1 Mile NNE
39	USGS2291270	1/2 - 1 Mile North
J42	USGS2291266	1/2 - 1 Mile NNE
143	USGS2291416	1/2 - 1 Mile South
J47	USGS2291269	1/2 - 1 Mile NNE
N53	USGS2291423	1/2 - 1 Mile SSE
O54	USGS2291440	1/2 - 1 Mile ENE
P55	USGS2291476	1/2 - 1 Mile NE
P57	USGS2291473	1/2 - 1 Mile NE
P58	USGS2291474	1/2 - 1 Mile NE
P59	USGS2291475	1/2 - 1 Mile NE
O62	USGS2291456	1/2 - 1 Mile ENE
64	USGS2291285	1/2 - 1 Mile NNE
O67	USGS2291454	1/2 - 1 Mile ENE
O68	USGS2291453	1/2 - 1 Mile ENE
O69	USGS2291455	1/2 - 1 Mile ENE
73	USGS2291297	1/2 - 1 Mile North
74	USGS2291292	1/2 - 1 Mile NNE
Q75	USGS2291265	1/2 - 1 Mile NE
Q76	USGS2291268	1/2 - 1 Mile NE
77	USGS2291472	1/2 - 1 Mile ENE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No PWS System Found		

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

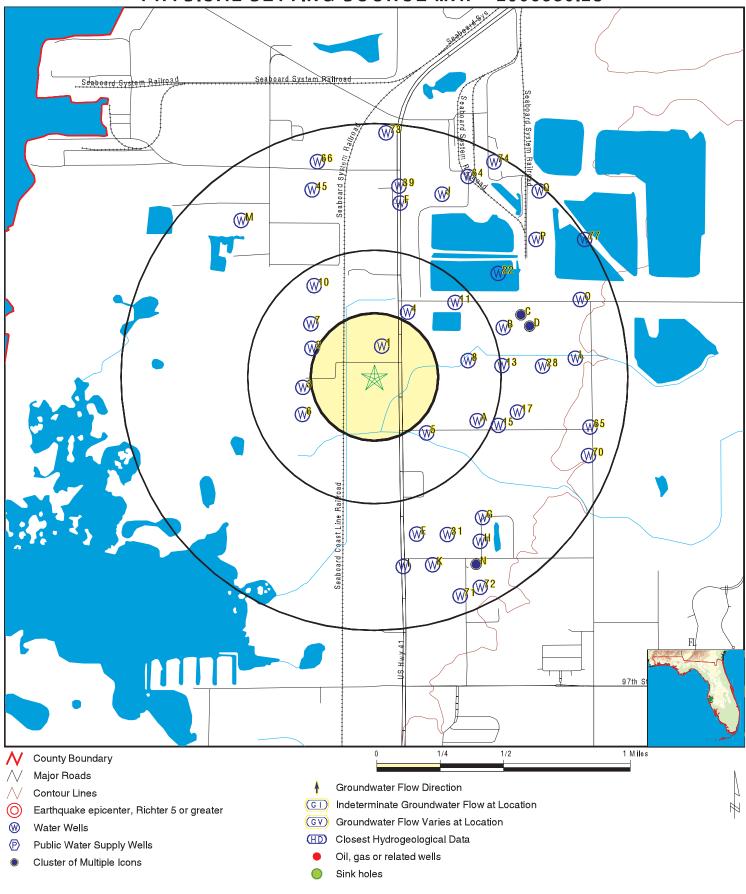
## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	FLSW40000009325	0 - 1/8 Mile NNE
2	FLSW4000009321	1/4 - 1/2 Mile WNW
3	FLSW4000009293	1/4 - 1/2 Mile West
5	FLSA50000020331	1/4 - 1/2 Mile SE
6	FLSW40000009274	1/4 - 1/2 Mile WSW

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
7	FLSW40000009347	1/4 - 1/2 Mile NW
A9	FLSA50000020334	1/4 - 1/2 Mile ESE
10	FLSW4000009371	1/4 - 1/2 Mile NNW
A12	FLSA50000020340	1/4 - 1/2 Mile ESE
13	FLSW4000009306	1/2 - 1 Mile East
B14	FLSW4000009346	1/2 - 1 Mile ENE
15	FLSA50000020333	1/2 - 1 Mile ESE
B16	FLSW4000009342	1/2 - 1 Mile ENE
17	FLSA50000020347	1/2 - 1 Mile ESE
D20	FLSW4000009338	1/2 - 1 Mile ENE
E21	FLSA50000020259	1/2 - 1 Mile SSE
C24	FLSW4000009352	1/2 - 1 Mile ENE
C25	FLDGW2000002300	1/2 - 1 Mile ENE
E26	FLSW4000009183	1/2 - 1 Mile SSE
28	FLSW4000009305	1/2 - 1 Mile East
G29	FLSA50000020275	1/2 - 1 Mile SE
31	FLSW4000009186	1/2 - 1 Mile SSE
G35	FLSA50000020268	1/2 - 1 Mile SE
H36	FLSA50000020253	1/2 - 1 Mile SSE
K40	FLSA50000020224	1/2 - 1 Mile SSE
H41	FLSA50000020254	1/2 - 1 Mile SE
H44	FLSA50000020241	1/2 - 1 Mile SSE
45	FLSW4000009457	1/2 - 1 Mile NNW
K46	FLSA50000020222	1/2 - 1 Mile SSE
L48	FLSW4000009313	1/2 - 1 Mile East
L49	FLSA50000020494	1/2 - 1 Mile East
H50	FLSA50000020243	1/2 - 1 Mile SE
M51	FLSW4000009436	1/2 - 1 Mile NW
M52	FLSW4000009428	1/2 - 1 Mile NW
N56	FLSA50000020236	1/2 - 1 Mile SSE
N60	FLSA50000020226	1/2 - 1 Mile SSE
N61	FLSA50000020220	1/2 - 1 Mile SSE
N63	FLSA50000020212	1/2 - 1 Mile SSE
65	FLSW4000009263	1/2 - 1 Mile ESE
66	FLSW4000009478	1/2 - 1 Mile NNW
70	FLSW4000009245	1/2 - 1 Mile ESE
71	FLSA50000020195	1/2 - 1 Mile SSE
72	FLSA50000020204	1/2 - 1 Mile SSE

# **PHYSICAL SETTING SOURCE MAP - 2906880.2s**



Palmetto FL 34221	CLIENT: Golder Associates, Inc. CONTACT: Paola Pringle INQUIRY #: 2906880.2s DATE: October 28, 2010 12:48 pm
	Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

Map ID Direction				
Distance Elevation			Database	EDR ID Number
1 NNE 0 - 1/8 Mile Higher			FL WELLS	FLSW4000009325
Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:	Not Reported Withdrawal of Groundwater 18200 0 117100 85 8 508	Did status: Well use:	Existing Irrigation	
Latitude: Utme: Utmn: Section id: Township i: Range id: County: Permittee:	27 37 15.11 347954.878433 3056152.724386 7 33 18 MANATEE PATRON HOLDINGS LLC	Longitude:	82 32 27.33	
Permittee: Permit iss: Permit pre: Line2 addr: State fips: Phone area:	AGRICULTURAL Not Reported FL 727	Permit cla: Line1 addr: City name: Zip cd: Phone nbr:	SWUCA Automated 33 6TH ST S STE 3 ST PETERSBURG 33773 8219010	
2 WNW 1/4 - 1/2 Mile Higher			FL WELLS	FLSW4000009321
Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:	Not Reported Withdrawal of Groundwater 91700 0 182900 0 8 500	Did status: Well use:	Existing Irrigation	
Latitude: Utme: Utmn: Section id: Township i: Range id: County: Permittee:	27 37 14.65 347510.618623 3056144.114168 7 33 18 MANATEE PORT MANATEE LAND LLC	Longitude:	82 32 43.53	
Permit iss: Permit pre: Line2 addr: State fips:	10/27/2009 AGRICULTURAL Not Reported FL	Permit cla: Line1 addr: City name: Zip cd:	Letter Modification 101 SANSBURYS V WEST PALM BEAC 33411	

Phone area:	Not Reported	Phone nbr:	Not Reported	
3 West 1/4 - 1/2 Mile Higher			FL WELLS FLSW400000	)9293
Well const:	Not Reported	Did status:	Existing	
Did type:	Withdrawal of Groundwater	Well use:	Irrigation	
Did daily:	63200		5	
Did dail 1:	0			
Did dail 2:	116200			
Casing dep:	0			
Casing dia:	8			
Well depth:	500			
Latitude:	27 37 6.6	Longitude:	82 32 45.61	
Utme:	347450.500644			
Utmn:	3055897.08387			
Section id:	7			
Township i:	33			
Range id:	18			
County:				
Permittee:	PORT MANATEE LAND LLC	Democification	Lating Marshift and an	
Permit iss:	10/27/2009	Permit cla:	Letter Modification 101 SANSBURYS WAY	
Permit pre:	AGRICULTURAL	Line1 addr:	WEST PALM BEACH	
Line2 addr: State fips:	Not Reported FL	City name: Zip cd:	33411	
Phone area:	Not Reported	Phone nbr:	Not Reported	
4 NNE			FED USGS USGS229144 <sup>2</sup>	1
1/4 - 1/2 Mile Higher				
Agency cd:	USGS	Site no:	273721082322201	
Site name:	33S18E07411 FL			
Latitude:	273721	EDR Site id:	USGS2291441	
Longitude:	0823222	Dec lat:	27.62281161	
Dec lon:	-82.53926305	Coor meth:	Μ	
Coor accr:	Т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S7 T33S R18E	
Location map:	PALMETTO	Map scale:	24000	
Altitude:	Not Reported			
Altitude method:	Interpolated from topographic m	ар		
Altitude accuracy:	5.0			
Altitude datum:	National Geodetic Vertical Datur			
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.		
Topographic: Site type:	Not Reported Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y	Mean greenwich time onset.	231	
Type of ground water site:	Single well, other than collector	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	Not Reported			
Well depth:	Not Reported	Hole depth:	Not Reported	
Source of depth data:	Not Reported	•		
Project number:	459600200			
Real time data flag:	0	Daily flow data begin date:	0000-00-00	
Daily flow data end date:	0000-00-00	Daily flow data count:	0	
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00	
			TC0000000 00 Dags A 40	

TC2906880.2s Page A-18

Peak flow data count: 0 Water quality data end date:1966-05-10 Ground water data begin date: 0000-00-00 Ground water data count: 0

Water quality data begin date: 1966-05-10 Water quality data count: Ground water data end date: 0000-00-00

FL WELLS

FLSA50000020331

Ground-water levels, Number of Measurements: 0

#### 5 SE 1/4 - 1/2 Mile Higher

Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

AAI3503 ACTIVE -82.53804 27.61589 0 0 0 Not Reported Not Reported Not Reported 0 WS1984 0 07/17/07 ANDREW Not Reported Not Reported MANATEE Not Reported Not Reported Not Reported Not Reported 617992 617992 410010901 POTABLE Not Reported Not Reported Not Reported 0 0 FLSA50000020331

#### Well type: 43 Casing mat: Not Reported Not Reported Permit num: Name: Not Reported Last name: Not Reported Phone ext: Not Reported Loc method: DGPS Insp fname: Not Reported Insp chd: Not Reported Property i: Not Reported 2405 CHAPMAN RD Address: Predir: Not Reported Street: 2405 CHAPMAN RD Postdir: Not Reported PALMETTO City: UNFILTERED Action: Res type: Not Reported Software: Not Reported Agency: Not Reported **FL WELLS** FLSW4000009274

6 wsw 1/4 - 1/2 Mile Higher

Well const:	Not Reported	Did status:	Existing
Did type:	Withdrawal of Groundwater	Well use:	Irrigation
Did daily:	63200		
Did dail 1:	0		
Did dail 2:	116200		
Casing dep:	0		
Casing dia:	8		
Well depth:	500		
Latitude:	27 37 1.02	Longitude:	82 32 45.71
Utme:	347445.610717		

Utmn:	3055725.390335		
Section id:	7		
Township i:	33		
Range id:	18		
County:	MANATEE		
Permittee:	PORT MANATEE LAND I	LLC	
Permit iss:	10/27/2009	Permit cla:	Letter Modification
Permit pre:	AGRICULTURAL	Line1 addr:	101 SANSBURYS WAY
Line2 addr:	Not Reported	City name:	WEST PALM BEACH
State fips:	FL	Zip cd:	33411
Phone area:	Not Reported	Phone nbr:	Not Reported

7 NW 1/4 - 1/2 Mile Higher

#### FL WELLS FLSW4000009347

-			
Well const:	Not Reported	Did status:	Existing
Did type:	Withdrawal of Groundwater	Well use:	Irrigation
Did daily:	91700		
Did dail 1:	0		
Did dail 2:	182900		
Casing dep:	205		
Casing dia:	8		
Well depth:	550		
Latitude:	27 37 19.72	Longitude:	82 32 43.76
Utme:	347506.265526		
Utmn:	3056300.225366		
Section id:	7		
Township i:	33		
Range id:	18		
County:	MANATEE		
Permittee:	PORT MANATEE LAND LLC		
Permit iss:	10/27/2009	Permit cla:	Letter Modification
Permit pre:	AGRICULTURAL	Line1 addr:	101 SANSBURYS WAY
Line2 addr:	Not Reported	City name:	WEST PALM BEACH
State fips:	FL	Zip cd:	33411
Phone area:	Not Reported	Phone nbr:	Not Reported

8 East 1/4 - 1/2 Mile Higher

> USGS Agency cd: 1WT11 FL Site name: Latitude: 273711 Longitude: 0823208 -82.53537409 Dec lon: Т Coor accr: Dec latlong datum: NAD83 State: 12 Country: US PALMETTO Location map:

Site no:

EDR Site id: Dec lat: Coor meth: Latlong datum: District: County: Land net: Map scale:

#### 273711082320801

FED USGS

USGS2291435

USGS2291435 27.62003398 M NAD27 124 081 S7 T33S R18E 24000

Altitude: Altitude method: Altitude accuracy: Altitude datum: Hydrologic: Topographic:	Not Reported Interpolated from topographic ma 5.0 National Geodetic Vertical Datum Tampa Bay. Florida. Area = 894 Not Reported	n of 1929	
Site type:	Ground-water other than Spring		Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	NONARTESIAN SAND AQUIFEI	२	
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	Not Reported	Water quality data count:	Not Reported
Ground water data begin da	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Not Reported

# A9 ESE 1/4 - 1/2 Mile Higher

Fluv Sta Lon Latit Wel Len Diar San First Pho Lg p Datu Hae Gps Proj Insp Req Cou Nun Pref Suff Zipo Loc Gps Ws Por Othe Streetside: Parcel id:

#### FLSA50000020334 FL WELLS

uwid:	AAI3506	Well type:	43
atus:	ACTIVE	Casing mat:	Not Reported
ngitude:	-82.53533		
titude:	27.61645		
ell depth:	0		
ngth:	0		
ameter:	0	Permit num:	Not Reported
anit seal:	Not Reported	Name:	Not Reported
rst name:	Not Reported	Last name:	Not Reported
none:	Not Reported	Phone ext:	Not Reported
pws:	0		
atum:	WS1984		
ae:	0		
os date:	07/17/07	Loc method:	DGPS
oject id:	ANDREW	Insp fname:	Not Reported
sp Iname:	Not Reported	Insp chd:	Not Reported
eq numb:	Not Reported	Property i:	Not Reported
ounty:	MANATEE	Address:	2804 CHAPMAN RD.
umber :	Not Reported	Predir:	Not Reported
efix:	Not Reported	Street:	2804 CHAPMAN RD.
ıffix:	Not Reported	Postdir:	Not Reported
code:	Not Reported	City:	PALMETTO
c id:	617986		
os id:	617986		
srp id:	410010601	Action:	UNFILTERED
ort stat:	POTABLE	Res type:	Not Reported
her id:	Not Reported	Software:	Not Reported
reetside:	Not Reported	Agency:	Not Reported
and the			

Pws design: Pws verify: Site id:

0 0

FLSA50000020334

#### 10 NNW 1/4 - 1/2 Mile Higher

FL WELLS FLSW4000009371

Higher			
Well const:	Not Reported	Did status:	Existing
Did type:	Withdrawal of Groundwater	Well use:	Irrigation
Did daily:	91700		inigation
Did dail 1:	0		
Did dail 2:	182900		
Casing dep:	0		
Casing dia:	8		
Well depth:	500		
Latitude:	27 37 27.58	Longitude:	82 32 43.01
Utme:	347529.850316		
Utmn:	3056541.864529		
Section id:	7		
Township i:	33		
Range id:	18		
County:	MANATEE		
Permittee:	PORT MANATEE LAND LLC	Denvilente	Latter Marshift and an
Permit iss:	10/27/2009	Permit cla:	Letter Modification
Permit pre:	AGRICULTURAL	Line1 addr:	101 SANSBURYS WAY
Line2 addr: State fips:	Not Reported FL	City name: Zip cd:	WEST PALM BEACH 33411
Phone area:	Not Reported	Phone nbr:	Not Reported
Thone area.	Not Reported	Thone hor.	Not Reported
11 NF			
NE 1/4 - 1/2 Mile			FED USGS USGS2291444
Higher			
Agency cd:	USGS	Site no:	273723082321101
Site name:	HOLLAND WELL NEAR PALME	TTO FL	
Latitude:	273723	EDR Site id:	USGS2291444
Longitude:	0823211	Dec lat:	27.62336716
Dec lon:	-82.53620744	Coor meth:	Μ
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S7 T33S R18E
Location map:	PALMETTO	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	ар	
Altitude accuracy:	5.0	(	
Altitude datum:	National Geodetic Vertical Datum		
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
l opographic:	Not Reported	Data construction:	Not Departed
Site type: Date inventoried:	Ground-water other than Spring Not Reported	Date construction: Mean greenwich time offset:	Not Reported EST
Local standard time flag:	Y	Mean greenwich time onset.	201
Type of ground water site:	Single well, other than collector c	r Ranney type	
Aquifer Type:	Not Reported	n ranney type	
Aquifer:	LIMESTONE AQUIFER		
Well depth:	284	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:		Daily flow data bagin data:	0000-00-00
5	0	Daily now data begin date.	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data begin date: Daily flow data count:	
Peak flow data begin date:	0000-00-00		0_ 0_ 0000-00-00 0000-00-00 0000-00-00

Well type:

Name:

Insp chd:

Address:

Predir:

Street:

City:

Postdir:

Action:

Res type:

Software:

Agency:

Property i:

Peak flow data count: 0 Water quality data end date:1967-09-08 Ground water data begin date: 0000-00-00 Ground water data count: 0

Water quality data begin date: 1966-05-10 Water quality data count: 3 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

#### A12 ESE 1/4 - 1/2 Mile Higher

Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

AAI3507 ACTIVE -82.53424 27.61673 0 0 0 Not Reported Not Reported Not Reported 0 WS1984 0 07/17/07 ANDREW Not Reported Not Reported MANATEE Not Reported Not Reported Not Reported Not Reported 617984 617984 410010501 POTABLE Not Reported Not Reported Not Reported 0 0 FLSA5000020340

Casing mat: Not Reported Not Reported Permit num: Not Reported Last name: Not Reported Phone ext: Not Reported Loc method: DGPS Insp fname:

43

Not Reported Not Reported Not Reported 2904 CHAPMAN RD. Not Reported 2904 CHAPMAN RD. Not Reported MANATEE

FL WELLS

FLSA50000020340

UNFILTERED Not Reported Not Reported Not Reported

**FL WELLS** 

FLSW4000009306

13 East 1/2 - 1 Mile Higher

0			
Well const:	Not Reported	Did status:	Capped
Did type:	Withdrawal of Groundwater	Well use:	Irrigation
Did daily:	0		
Did dail 1:	0		
Did dail 2:	0		
Casing dep:	88		
Casing dia:	8		
Well depth:	600		
Latitude:	27 37 11.1	Longitude:	82 31 59.5
Utme:	348716.2361		

Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre:	3056019.824 7 33 18 MANATEE PORT MANATEE INDUSTRIA 12/15/2008 AGRICULTURAL	Permit cla: Line1 addr:	Renewal 253 14TH ST NW	
Line2 addr: State fips:	Not Reported FL	City name: Zip cd:	LARGO 337702227	
Phone area:	Not Reported	Phone nbr:	Not Reported	
B14 ENE 1/2 - 1 Mile Higher			FL WELLS	FLSW4000009346
Well const:	775548	Did status:	Plugged	
Did type:	Withdrawal of Groundwater	Well use:	PLUGGED	
Did daily:	0		TEGGGED	
Did dail 1:	0			
Did dail 1:	0			
Casing dep:	68			
Casing dep.	8			
Well depth:	o 425			
Latitude:	423 27 37 19.35	Longitudo	82 32 1.5	
Utme:		Longitude:	82 32 1.5	
	348664.56243			
Utmn:	3056274.402355			
Section id:	7			
Township i:	33			
Range id:	18			
County:	MANATEE			
Permittee:	PORT MANATEE INDUSTRIA	-	-	
Permit iss:	12/15/2008	Permit cla:	Renewal	
Permit pre:	AGRICULTURAL	Line1 addr:	253 14TH ST NW	
Line2 addr:	Not Reported	City name:	LARGO	
State fips:	FL	Zip cd:	337702227	
Phone area:	Not Reported	Phone nbr:	Not Reported	

15 ESE 1/2 - 1 Mile Higher

Fluwid:	AAI3504	Well type:	NO
Status:	ACTIVE	Casing mat:	Not Reported
Longitude:	-82.53342	-	
Latitude:	27.61632		
Well depth:	0		
Length:	0		
Diameter:	0	Permit num:	Not Reported
Sanit seal:	Not Reported	Name:	Not Reported
First name:	Not Reported	Last name:	Not Reported

FL WELLS

FLSA50000020333

Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	WS1984		
Hae:	0		
Gps date:	07/17/07	Loc method:	DGPS
Project id:	ANDREW	Insp fname:	Not Reported
Insp Iname:	Not Reported	Insp chd:	Not Reported
Req numb:	Not Reported	Property i:	Not Reported
County:	MANATEE	Address:	3030 CHAPMAN RD.
Number :	Not Reported	Predir:	Not Reported
Prefix:	Not Reported	Street:	3030 CHAPMAN RD.
Suffix:	Not Reported	Postdir:	Not Reported
Zipcode:	Not Reported	City:	PALMETTO
Loc id:	617990	Only!	I ALMETTO
Gps id:	617990		
Wsrp id:	410010801	Action:	UNFILTERED
Port stat:	POTABLE	Res type:	Not Reported
Other id:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Agency.	Not Reported
Pws design:	0		
Pws verify:	0		
Site id:	FLSA50000020333		
B16 ENE			FL WELLS FLSW4000009342
B16 ENE 1/2 - 1 Mile Higher			FL WELLS FLSW4000009342
ENE 1/2 - 1 Mile Higher Well const:	661269	Did status:	Capped
ENE 1/2 - 1 Mile Higher Well const: Did type:	Monitor	Did status: Well use:	
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily:	Monitor 0		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1:	Monitor 0 0		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2:	Monitor 0 0 0		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep:	Monitor 0 0 0 900		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia:	Monitor 0 0 900 12		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:	Monitor 0 0 900 12 927	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude:	Monitor 0 0 900 12 927 27 37 18.51		Capped
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn: Section id:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn: Section id: Township i:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18	Well use:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE	Well use: Longitude:	Capped Not Reported
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE PORT MANATEE INDUS	Well use: Longitude:	Capped Not Reported 82 31 56.89
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE PORT MANATEE INDUS 12/15/2008	Well use: Longitude: STRIAL PARK LLC Permit cla:	Capped Not Reported 82 31 56.89 Renewal
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE PORT MANATEE INDUS 12/15/2008 AGRICULTURAL	Well use: Longitude: STRIAL PARK LLC Permit cla: Line1 addr:	Capped Not Reported 82 31 56.89 Renewal 253 14TH ST NW
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE PORT MANATEE INDUS 12/15/2008 AGRICULTURAL Not Reported	Well use: Longitude: STRIAL PARK LLC Permit cla: Line1 addr: City name:	Capped Not Reported 82 31 56.89 Renewal 253 14TH ST NW LARGO
ENE 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre:	Monitor 0 0 900 12 927 27 37 18.51 348790.611773 3056246.982819 7 33 18 MANATEE PORT MANATEE INDUS 12/15/2008 AGRICULTURAL	Well use: Longitude: STRIAL PARK LLC Permit cla: Line1 addr:	Capped Not Reported 82 31 56.89 Renewal 253 14TH ST NW

17 ESE 1/2 - 1 Mile Higher

FL WELLS FLSA5000020347

Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

AAI3505 ACTIVE -82.5322 27.61708 0 0 4 Not Reported Not Reported Not Reported 0 WS1984 0 07/17/07 ANDREW Not Reported Not Reported MANATEE Not Reported Not Reported Not Reported Not Reported 617988 617988 410010701 POTABLE Not Reported Not Reported Not Reported 0 0

Casing mat:

Well type:

Permit num: Name: Last name: Phone ext:

Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City: Action:

Res type: Software: Agency:

DGPS Not Reported Not Reported Not Reported 3490 CHAPMAN RD. Not Reported 3490 CHAPMAN RD. Not Reported PALMETTO

43

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

UNFILTERED Not Reported Not Reported Not Reported

> FED USGS USGS2291442

C18 ENE 1/2 - 1 Mile Higher

> Agency cd: USGS Site no: Site name: 33S18E07 73723101 FL Latitude: 273722 EDR Site id: 0823158 Dec lat: Longitude: Dec lon: -82.53259625 Coor meth: т Latlong datum: Coor accr: Dec latlong datum: NAD83 District: County: State: 12 US Land net: Country: Location map: PALMETTO Map scale: Altitude: 30.00 Interpolated from topographic map Altitude method: Altitude accuracy: 5.0 Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Ground-water other than Spring Date construction:

> > Not Reported

FLSA50000020347

Site type: Date inventoried: 273722082315801

USGS2291442 27.62308942 Μ NAD27 124 081 S7 T33S R18E 24000

Not Reported EST

Mean greenwich time offset:

Local standard time flag: Type of ground water site:	Y Single well, other than collector	or Ranney type		
Aquifer Type:	ot Reported			
Aquifer:	HAWTHORN FORMATION			
Well depth:	98	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	0	Daily flow data begin date:	0000-00-00	
Daily flow data end date:	0000-00-00	Daily flow data count:	0	
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00	
Peak flow data count:	0	Water quality data begin date:	1966-05-10	
Water quality data end date	e:1967-09-08	Water quality data count:	3	
Ground water data begin da	ate: 0000-00-00	Ground water data end date:	0000-00-00	
Ground water data count:	0			

Ground-water levels, Number of Measurements: 0

#### D19 ENE 1/2 - 1 Mile Higher

11	gner					
	Agency cd: Site name:	USGS FP&L WELL 1 AT PINEY POINT	Site no:	273718082315501		
				110000001107		
	Latitude:	273718	EDR Site id:	USGS2291437		
	Longitude:	0823155	Dec lat:	27.62197836		
	Dec lon:	-82.5317629	Coor meth:	M		
	Coor accr:	T	Latlong datum:	NAD27		
	Dec latlong datum:	NAD83	District:	124		
	State:	12	County:	081		
	Country:	US	Land net:	NESE S7 T33S R18E		
	Location map:	PALMETTO	Map scale:	24000		
	Altitude:	11				
	Altitude method:	Interpolated from topographic ma	p			
	Altitude accuracy:	5.0				
	Altitude datum:	National Geodetic Vertical Datum				
	Hydrologic:	Tampa Bay. Florida. Area = 894 s	sq.mi.			
	Topographic:	Not Reported				
	Site type:	Ground-water other than Spring	Date construction:	Not Reported		
	Date inventoried:	Not Reported	Mean greenwich time offset:	EST		
	Local standard time flag:	Y	_			
	Type of ground water site:	<b>o</b>	gle well, other than collector or Ranney type			
	Aquifer Type:	Not Reported				
	Aquifer:	FLORIDAN AQUIFER				
	Well depth:	950	Hole depth:	Not Reported		
	Source of depth data:	Not Reported				
	Project number:	459600200				
	Real time data flag:	1	Daily flow data begin date:	0000-00-00		
	Daily flow data end date:	0000-00-00	Daily flow data count:	0		
	Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00		
	Peak flow data count:	0	Water quality data begin date:			
	Water quality data end date		Water quality data count:	45		
	Ground water data begin da		Ground water data end date:	2005-01-31		
	Ground water data count:	62				

FED USGS

USGS2291437

	Feet below	Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealeve
2005-01-31		15.83	2004-12-06		15.53
2004-10-12		19.21	2004-09-22		19.58
2004-07-29		17.42	2004-06-28		13.41
2004-05-28		7.33	2004-05-17		9.86
2004-05-04		11.36	2004-04-13		11.40
2004-04-09		10.31	2004-03-29		13.08
2004-02-12		15.98	2004-02-04		16.81
2004-02-04		16.80	2003-12-10		13.01
2003-12-09		12.94	2003-12-08		13.21
2003-10-08		18.69	2003-09-15		20.18
2003-08-12		20.11	2003-06-11		14.31
2003-05-19		11.22	2003-05-08		13.53
2003-03-27		17.88	2003-01-30		15.79
2002-12-05		16.68	2002-10-08		16.66
2002-09-17		19.12	2002-08-21		17.54
2002-07-19		15.58	2002-05-16		0.28
2002-05-14		1.31	2002-05-08		2.19
2002-03-25		8.92	2002-01-15		12.42
2002-01-07		12.33	2001-12-05		8.52
2001-10-25		13.79	1999-09-13		19.10
1999-05-12		2.68	1998-09-16		13.08
1998-05-15		5.95	1997-05-13		11.90
1996-09-09		12.08	1996-05-20		8.81
1995-05-22		-3.93	1994-05-25		4.90
1993-05-18		7.02	1992-05-13		2.81
1991-05-14		8.00	1990-09-11		12.53
1990-05-14		0.46	1989-05-15		-2.03
1987-05-18		8.94	1986-05-12		2.88
1985-05-13		0.35	1984-09-11		12.90
1984-05-15		2.30	1983-05-19		5.49
1982-05-11		7.23	1981-05-19		-2.17

## Ground-water levels, Number of Measurements: 62

#### D20 ENE 1/2 - 1 Mile Higher

#### FL WELLS FLSW4000009338

Well const: 661268 Existing Did status: Did type: Withdrawal of Groundwater Well use: Irrigation Did daily: 56500 Did dail 1: 0 Did dail 2: 112700 Casing dep: 47 Casing dia: 8 Well depth: 601 Latitude: 27 37 17.65 Longitude: 82 31 53.25 Utme: 348890.0641 Utmn: 3056219.2787 Section id: 8 Township i: 33 Range id: 18 MANATEE County: PORT MANATEE INDUSTRIAL PARK LLC Permittee: Permit iss: 12/15/2008 Permit cla: Renewal Permit pre: AGRICULTURAL Line1 addr: 253 14TH ST NW Line2 addr: Not Reported City name: LARGO State fips: FL Zip cd: 337702227

Phone area:	Not Reported	Phone nbr:	Not Reported
21 SE /2 - 1 Mile igher			FL WELLS FLSA500002025
Fluwid:	AAL3759	Well type:	43
Status:	ACTIVE	Casing mat:	GALVANIZED
Longitude:	-82.53888	each g man	
Latitude:	27.61017		
Well depth:	0		
Length:	0		
Diameter:	12	Permit num:	Not Reported
Comments:	No permission to sample		Not Reported
Sanit seal:	Yes	Name:	Not Reported
First name:	Not Reported	Last name:	RESIDENT
Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0	Thome ext.	Nor Reported
Datum:	Not Reported		
Hae:	4.63		
Gps date:	11/12/08	Loc method:	DGPS
Project id:	SUPER	Insp fname:	Terri
Insp Iname:	Stripling	Insp chd:	MANATEE
Req numb:	47150	Property i:	Not Reported
County:	MANATEE	Address:	10608 U S HIGHWAY 41 N
Number :	10608	Predir:	Not Reported
Prefix:	Not Reported	Street:	U S HIGHWAY 41
Suffix:	Not Reported	Postdir:	N
Zipcode:	34221	City:	PALMETTO
Loc id:	975546	Ony:	i , Line i i o
Gps id:	975546		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	OWNER
Other id:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported		2011
Pws design:	0		
Pws verify:	Ő		
Site id:	FLSA50000020259		
Sile iu.	FL3A30000020239		

22 NE 1/2 - 1 Mile Lower

> Agency cd: USGS Site no: 273729082320101 S2COOL FL Site name: Latitude: 273729 EDR Site id: USGS2291459 Longitude: 0823201 Dec lat: 27.62503377 Dec lon: -82.5334296 Coor meth: Μ Coor accr: Т Latlong datum: NAD27 NAD83 District: Dec latlong datum: 124 County: 081 State: 12 S7 T33S R18E Country: US Land net: Location map: PALMETTO Map scale: 24000

FED USGS

USGS2291459

Altitude:	Not Reported					
Altitude method:	Interpolated from topographic ma	ар				
Altitude accuracy:	5.0					
Altitude datum:	National Geodetic Vertical Datum	n of 1929				
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.				
Topographic:	Not Reported					
Site type:	Ground-water other than Spring	Date construction:	Not Reported			
Date inventoried:	Not Reported	Mean greenwich time offset:	EST			
Local standard time flag:	Y					
Type of ground water site:	Single well, other than collector of	or Ranney type				
Aquifer Type:	Not Reported					
Aquifer:	Not Reported					
Well depth:	Not Reported	Hole depth:	Not Reported			
Source of depth data:	Not Reported					
Project number:	459600200					
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported			
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported			
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported			
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported			
Water quality data end date:Not Reported Water quality data count: Not Rep						
Ground water data begin d	ate: Not Reported	Ground water data end date:	Not Reported			
Ground water data count:	Not Reported					

Ground-water levels, Number of Measurements: 0

#### D23 ENE 1/2 - 1 Mile Higher

#### Agency cd: USGS Site no: 273718082315401 WILLIS WELL AT PINEY POINT FL Site name: EDR Site id: USGS2291436 Latitude: 273718 Longitude: 0823154 Dec lat: 27.62197836 Dec lon: -82.53148512 Coor meth: Μ NAD27 Coor accr: S Latlong datum: 124 Dec latlong datum: NAD83 District: State: 12 County: 081 NESE S7 T33S R18E Country: US Land net: Location map: PALMETTO Map scale: 24000 Altitude: 11.00 Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Flat surface Site type: Ground-water other than Spring Date construction: Not Reported Not Reported Mean greenwich time offset: Date inventoried: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported FLORIDAN AQUIFER Aquifer: Well depth: 602 Hole depth: Not Reported Source of depth data: owner Project number: 459600200 Real time data flag: 0 Daily flow data begin date: 0000-00-00 Daily flow data count: 0000-00-00 Daily flow data end date: 0 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

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USGS2291436

FED USGS

Peak flow data count: 0 Water quality data end date:1980-05-15 Ground water data begin date: 1976-05-10 Ground water data count: 5		Water quality data begin dat Water quality data count: Ground water data end date					
Ground-wate	er levels, Num Feet below Surface	ber of Measurements: 5 Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel	
				 1979-05-16 1977-05-11		13.23 1.21	
C24 ENE 1/2 - 1 Mile Higher						FL WELLS	FLSW40000009352
Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:		775549 Withdrawal of Groundwater 0 0 0 0 12 0	Did sta Well us			gged JGGED	
Latitude: Utme: Utmn: Section id: Township i: Range id: County:		27 37 21.42 348864.1841 3056335.6233 7 33 18 MANATEE	Longitu	ude:	82 \$	31 54.25	
Permittee:		PORT MANATEE INDUSTRIA	L PARK L	LC			
Permit iss:		12/15/2008	Permit		Rer	newal	
Permit pre:		AGRICULTURAL	Line1 a	addr:	253	14TH ST NW	
Line2 addr:		Not Reported	City na	ime:	LAF	RGO	
State fips: Phone area:		FL Not Reported	Zip cd: Phone			702227 Reported	
C25 ENE 1/2 - 1 Mile Higher						FL WELLS	FLDGW2000002300
-		0					
Area:		0	Dene	via 2 id:	230	0	
Perimeter:		0	Depgw			-	
Pk station:			Station	1 10:	273	718082315501	
Station na:		FL POWER & LIGHT WEL					
Station al:		Not Reported	-		<b>-</b>	7400000	
Storet ide:		273718082315501	Dep we			718082315501	
Florida un:		Not Reported	Proper			ida Power & Lig	
Owner:		Not Reported	Owner			West US Highw	/ay 301 Blvd.
Owner city:		Bradantan	()wpor	ctot.			

Owner stat:

Owner city:

Bradenton

FI

Owner zip: Contact ag: Contact ad: Contact ci: Contact st: Notificati: Longitude: Location m: Locational: Latdeg: Latmin: Latsec: Longdeg: Longmin: Longsec: County cod: Water mang: Ecosystem : Tmdl basin: Hydrologic: Hydrologi1: Water reso: Subaquifer: Bottom of : Well litho: Well hydro: Surface wa: Well statu: Well type: Well const: Well total: Well finis: Well scre1: Well scre3: Well casi1: Well casi2: Well measu: Well lead : Data sourc: Sampled ba: Sampled hr: Sampled st: Comments: Fk random : Create use: Lat dd: Lat ss: Long mm: Cmcd coord: Gqmc gis q: Gis alby: Map source: Ppc point : Collector :

Not Reported Owner tele: Not Reported Not Reported Contact na: Not Reported Not Reported Bradenton Not Reported Contact zi: FΙ Contact te: Not Reported 0 Latitude: 273718 823155 DIGITAL MAP INTERPOLATION NAD27 27 37 19.118 82 31 54.3334 41 County nam: MANATEE SOUTHWEST DISTRICT - TAMPA SOUTHWEST FLORIDA WMD Dep distri: **GREATER TAMPA BAY** Reporting : SWFWMD-B TAMPA BAY 03100206 TAMPA BAY Waterbody : AQUIFER CONFINED AQUIFER Waterbody1: FLORIDAN AQUIFER SYSTEM FLORIDAN AQUIFER Top of aqu: Not Reported Not Reported Well geolo: Ν Not Reported Well drill: Ν Ν Confined: Not Reported Well dril1: Not Reported NON-FLOWING, NO PUMP GROUND WATER LEVEL OBSERVATION WELL UNKNOWN NONE Well lift : 950 Well casin: 104 OPEN HOLE Well scree: 104 Not Reported 950 Well scre2: Not Reported STEEL 12 Land surfa: 11.00 21.15 Well water: А Not Reported 23317 Well grid : SWFSTNS SWFWMD Agency mai: L Sampled vi: Ν Ν Sampled tv: Ν Not Reported Sampled wg: Ν ELIMINATED - HAS AN EXTREMELY LARGE OPEN HOLE INTERVAL;;081017-F NESE S07 T33S R18E Not Reported Create dat: Not Reported Not Reported Last updat: Not Reported 27 Lat mm: 37 18 Long dd: 82 Long ss: 31 55 UNKN Dcd datum : NAD27 Not Reported Gis albx: 544620.9 Not Reported 402711.21 Ooic objec: Not Reported Not Reported Map sourc1: Not Reported Cac1 coord: Not Reported Not Reported Determinat: Not Reported

Collect pa: Verificati: Verifier u: Verifier a: Fips count: Wbid: Newlat: Newlong: Site id: Not Reported Not Reported Not Reported 81 1797B 27.621977 -82.531759 FLDGW2000002300 Collector1: Verify cmc: Verifying : Locationa1: Bis distri: Planning u: Not Reported Not Reported Not Reported SWD COASTAL LOWER TAMPA BAY TRIBUT

#### E26 SSE 1/2 - 1 Mile

Higher

FL WELLS FLSW4000009183

Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr: State fips: Phone area:

Not Reported	Did status:	Existing
Withdrawal of Groundwater	Well use:	Irrigation
32300 0		
43000		
0		
4		
500		
27 36 36.04	Longitude:	82 32 18.54
348180.864717		
3054947.321864		
18		
33		
18		
MANATEE		
MARVIS R SNELL	Demoit etc.	
01/01/2003	Permit cla:	SWUCA Automated Update
AGRICULTURAL	Line1 addr:	10608 US HWY 41 N PALMETTO
Not Reported FL	City name: Zin od:	342218605
F∟ 941	Zip cd: Phone nbr:	7223846
		1220040

#### F27 North 1/2 - 1 Mile Higher

#### Agency cd: USGS Site no: 273742082322501 Site name: BORDEN CHEMICAL US 41 FL USGS2291261 Latitude: 273742 EDR Site id: Longitude: 0823225 Dec lat: 27.62864469 -82.5400964 Dec lon: Coor meth: Μ Coor accr: Т Latlong datum: NAD27 Dec latlong datum: NAD83 124 District: State: 12 County: 081 S7 T33S R18E Country: US Land net: Location map: COCKROACH BAY Map scale: 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Date inventoried: Not Reported Mean greenwich time offset: EST

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FED USGS

USGS2291261

Local standard time flag:	Y					
Type of ground water site:	Single well, other than collector of	Single well, other than collector or Ranney type				
Aquifer Type:	Not Reported					
Aquifer:	Not Reported					
Well depth:	Not Reported	Hole depth:	Not Reported			
Source of depth data:	Not Reported					
Project number:	459600200					
Real time data flag:	0	Daily flow data begin date:	0000-00-00			
Daily flow data end date:	0000-00-00	Daily flow data count:	0			
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00			
Peak flow data count:	0	Water quality data begin date:	1976-06-09			
Water quality data end date	e:1976-06-09	Water quality data count:	1			
Ground water data begin da	ate: 0000-00-00	Ground water data end date:	0000-00-00			
Ground water data count:	0					
Ground water data count:	0					

Ground-water levels, Number of Measurements: 0

28 East 1/2 - 1 Mile Higher			FL WELLS	FLSW4000009305
Well const:	Not Reported	Did status:	Capped	
Did type:	Withdrawal of Groundwater	Well use:	To Be Plugged	
Did daily:	0			
Did dail 1:	0			
Did dail 2:	0			
Casing dep:	0			
Casing dia:	4			
Well depth:	0			
Latitude:	27 37 11	Longitude:	82 31 50.1	
Utme:	348973.8774	0		
Utmn:	3056013.5517			
Section id:	8			
Township i:	33			
Range id:	18			
County:	MANATEE			
Permittee:	PORT MANATEE INDUSTRIA	L PARK LLC		
Permit iss:	12/15/2008	Permit cla:	Renewal	
Permit pre:	AGRICULTURAL	Line1 addr:	253 14TH ST NW	
Line2 addr:	Not Reported	City name:	LARGO	
State fips:	FL	Zip cd:	337702227	
Phone area:	Not Reported	Phone nbr:	Not Reported	
G29 SE 1/2 - 1 Mile Higher			FL WELLS	FLSA50000020275
Fluwid:	AAL3756	Well type:	43	
Status:	ACTIVE	Casing mat:	PVC	
Longitude:	-82.53484			
Latitude:	27.61136			
Well depth:	0			
Length:	0			
Diameter:	4	Permit num:	Not Reported	
Comments:	No permission to sample			
Sanit seal:	Yes	Name:	Not Reported	
First name:	Not Reported	Last name:	COLLINS	
	·····			

Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

Not Reported 0 Not Reported 7.78 11/12/08 SUPER Stripling 47150 MANATEE 3002 Not Reported ST 34221 975552 975552 Not Reported POTABLE Not Reported No Not Reported 0 0 FLSA50000020275

# Phone ext:

Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City:

Action: Res type: Software: Agency:

DGPS Terri MANATEE Not Reported 3002 107TH ST E Not Reported 107TH Е PALMETTO

Not Reported

Not Reported OWNER Well\_Solo\_v2 DOH

#### D30 ENE 1/2 - 1 Mile Higher

Latitude:

Dec lon:

State:

Country:

Altitude:

Site type:

Aquifer:

Peak flow data begin date: 0000-00-00

USGS Agency cd: Site no: FLORIDA POWER AND LIGHT WELL AT PINEY POINT FL Site name: 273720 EDR Site id: Longitude: 0823152 Dec lat: -82.53092955 Coor meth: Μ NAD27 Coor accr: Т Latlong datum: Dec latlong datum: NAD83 District: 124 12 County: 081 US Land net: Location map: PALMETTO Map scale: 24000 Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Ground-water other than Spring Date construction: Not Reported Date inventoried: Not Reported Mean greenwich time offset: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported FLORIDAN AQUIFER Well depth: 926 Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: 0 Daily flow data begin date: 0000-00-00 0000-00-00 Daily flow data end date: Daily flow data count: Ω

Peak flow data end date:

FED USGS USGS2291438

273720082315201 USGS2291438 27.62253389 S8 T33S R18E

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0000-00-00

Peak flow data count: 0 Water quality data end date:1986-05-23 Ground water data begin date: 0000-00-00 Ground water data count: 0 Water quality data begin date:1986-05-23Water quality data count:1Ground water data end date:0000-00-00

FL WELLS

FLSW4000009186

Ground-water levels, Number of Measurements: 0

#### 31 SSE 1/2 - 1 Mile Higher

/2 - 1 Mile ligher			
Well const:	Not Reported	Did status:	Existing
Did type:	Withdrawal of Groundwater	Well use:	Irrigation
Did daily:	32300		
Did dail 1:	0		
Did dail 2:	47000		
Casing dep:	0		
Casing dia:	8		
Well depth:	600		
Latitude:	27 36 36.24	Longitude:	82 32 12.14
Utme:	348356.398386		
Utmn:	3054951.294234		
Section id:	18		
Township i:	33		
Range id:	18		
County:	MANATEE		
Permittee:	MARVIS R SNELL		
Permit iss:	01/01/2003	Permit cla:	SWUCA Automated Update
Permit pre:	AGRICULTURAL	Line1 addr:	10608 US HWY 41 N
Line2 addr:	Not Reported	City name:	PALMETTO
State fips:	FL	Zip cd:	342218605
Phone area:	941	Phone nbr:	7223846

#### F32 North 1/2 - 1 Mile Higher

#### FED USGS USGS2291262

11	gner			
	Agency cd:	USGS	Site no:	273743082322301
	Site name:	24ART6 FL		
	Latitude:	273743	EDR Site id:	USGS2291262
	Longitude:	0823223	Dec lat:	27.62892246
	Dec lon:	-82.53954083	Coor meth:	Μ
	Coor accr:	Т	Latlong datum:	NAD27
	Dec latlong datum:	NAD83	District:	124
	State:	12	County:	081
	Country:	US	Land net:	S7 T33S R18E
	Location map:	COCKROACH BAY	Map scale:	24000
	Altitude:	Not Reported		
	Altitude method:	Interpolated from topographic ma	ap	
	Altitude accuracy:	5.0		
	Altitude datum:	National Geodetic Vertical Datum	n of 1929	
	Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
	Topographic:	Not Reported		
	Site type:	Ground-water other than Spring	Date construction:	Not Reported
	Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Υ		
Type of ground water site:	Single well, other than collector	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	e:Not Reported	Water quality data count:	Not Reported
Ground water data begin date: Not Reported		Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

#### F33 North 1/2 - 1 Mile Higher

9			
Agency cd:	USGS	Site no:	273744082322501
Site name:	37 32 10 FL		
Latitude:	273744	EDR Site id:	USGS2291264
Longitude:	0823225	Dec lat:	27.62920022
Dec lon:	-82.5400964	Coor meth:	M
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S7 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	8.90		
Altitude method:	Interpolated from topographic ma	ip	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datum	of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894 s	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector o	r Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	TAMPA LIMESTONE		
Well depth:	404	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1954-01-22
Water quality data end date		Water quality data count:	1
Ground water data begin da	ate: 0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

FED USGS

USGS2291264

Map ID				
Direction Distance				
Elevation			Database	EDR ID Number
F34				
North 1/2 - 1 Mile			FED USGS	USGS2291267
Higher				
Agency cd:	USGS	Site no:	273745082322201	
Site name:	2728 FL			
Latitude:	273745	EDR Site id:	USGS2291267	
Longitude:	0823222	Dec lat:	27.62947799	
Dec lon:	-82.53926305	Coor meth:	Μ	
Coor accr:	Т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S7 T33S R18E	
Location map:	COCKROACH BAY	Map scale:	24000	
Altitude:	Not Reported			
Altitude method:	Interpolated from topographic ma	ар		
Altitude accuracy:	5.0			
Altitude datum:	National Geodetic Vertical Datum			
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.		
Topographic:	Not Reported	<b>-</b>		
Site type:	Ground-water other than Spring		Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y Circle well, ether there endle store			
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported Not Reported			
Aquifer: Well depth:	Not Reported	Hole depth:	Not Reported	
Source of depth data:	Not Reported		Not Reported	
Project number:	459600200			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:	•	Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:		
Water quality data end date	•	Water quality data count:	Not Reported	
Ground water data begin d	•	Ground water data end date:	Not Reported	
Ground water data count:	Not Reported			
Ground-water levels, Numb	per of Measurements: 0			
G35 SE			FL WELLS	FLSA50000020268
S⊑ 1/2 - 1 Mile			FL WELLS	FL3A30000020206
Higher				
Fluwid:	AAH1232	Well type:	43	
Status:	ACTIVE	Casing mat:	PVC	
Longitude:	-82.53404	Casing mat.		
Latitude:	27.61072			
Well depth:	0			
Length:	0			
Diameter:	2	Permit num:	Not Reported	
	lo permission to sample			
Sanit seal:	Yes	Name:	leslie thompson	
First name:	Not Reported	Last name:	Not Reported	

Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

Not Reported 0 WS1984 6.87 02/20/03 SUPER Not Reported Not Reported Manatee Not Reported Not Reported Not Reported 34221 324404 324404 Not Reported POTABLE Not Reported Not Reported Not Reported 0 0 FLSA5000020268

AAL3757

ACTIVE

-82.53497

27.60996

Not Reported

Not Reported

Not Reported 10.53

11/12/08

SUPER

Stripling

MANATEE

Not Reported

Not Reported

Not Reported

Not Reported

POTABLE

47150

10615

AVE

34221

975550

975550

No

0

0

4 Yes

0

## Phone ext:

Loc method:

Insp fname:

Insp chd:

Property i:

Address:

Predir:

Street:

Postdir:

Action:

Res type:

Software:

Agency:

City:

Not Reported

DGPS Not Reported Not Reported Not Reported 10796 30th ave east Not Reported 10796 30th ave east Not Reported Palmetto

Not Reported Not Reported Not Reported Not Reported

H36 SSE 1/2 - 1 Mile Higher

> Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id:

Well type: Casing mat:

Permit num: Name: Last name: Phone ext:

Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City:

Action: Res type: Software: Agency: 43 GALVANIZED

Not Reported Not Reported WILLIS Not Reported

DGPS Terri MANATEE Not Reported 10615 30TH AVE E Not Reported 30TH E PALMETTO

Not Reported OWNER Well\_Solo\_v2 DOH

rtod

FLSA50000020253

**FL WELLS** 

Pws design: Pws verify: Site id:

0 0 FLSA5000020253

l37 South 1/2 - 1 Mile Higher			FED USGS	USGS2291422
Agency cd:	USGS	Site no:	273629082322401	
Site name:	REEDER US 41 FL	Sile no.	273029002322401	
Latitude:	273629	EDR Site id:	USGS2291422	
Longitude:	0823224	Dec lat:	27.60836779	
Dec lon:	-82.53981864	Coor meth:	M	
Coor accr:	T	Latlong datum:	NAD27	
	NAD83	District:	124	
Dec latlong datum: State:	12		081	
	US	County: Land net:		
Country:			S18 T33S R18E	
Location map:	PALMETTO	Map scale:	24000	
Altitude:	Not Reported			
Altitude method:	Interpolated from topographic map			
Altitude accuracy:	5.0	( 1000		
Altitude datum:	National Geodetic Vertical Datum			
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.		
Topographic:	Not Reported			
Site type:	Ground-water other than Spring		Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y			
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	Not Reported			
Well depth:	Not Reported	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	0	Daily flow data begin date:	0000-00-00	
Daily flow data end date:	0000-00-00	Daily flow data count:	0	
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00	
Peak flow data count:	0	Water quality data begin date:	1976-06-09	
Water quality data end date	:1976-06-09	Water quality data count:	1	
Ground water data begin da		Ground water data end date:	0000-00-00	
Ground water data count:				

Ground-water levels, Number of Measurements: 0

J38 NNE 1/2 - 1 Mile Higher

FED USGS USGS2291263

Agency cd:	USGS	Site no:	273744082321301
Site name:	25 WT8 FL	Site no.	210144002021001
Latitude:	273744	EDR Site id:	USGS2291263
Longitude:	0823213	Dec lat:	27.62920024
Dec lon:	-82.536763	Coor meth:	M
Coor accr:	Т	Latlong datum:	NAD27
Dec lationg datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S7 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	ар	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datun	n of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	NONARTESIAN SAND AQUIFE	R	
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end dat	•	Water quality data count:	Not Reported
Ground water data begin d	•	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

#### 39 North 1/2 - 1 Mile Higher

#### FED USGS USGS2291270

-			
Agency cd:	USGS	Site no:	273747082322401
Site name:	35S18E07 73723201211 FL		
Latitude:	273747	EDR Site id:	USGS2291270
Longitude:	0823224	Dec lat:	27.63003352
Dec lon:	-82.53981861	Coor meth:	Μ
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S7 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	ар	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datun	n of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag: Type of ground water site: Aquifer Type: Aquifer:	Y Single well, other than collector Not Reported FLORIDAN AQUIFER	or Ranney type	
Well depth:	587	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1966-05-10
Water quality data end date	e:1966-05-10	Water quality data count:	1
Ground water data begin d	ate: 0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

K40 SSE 1/2 - 1 Mile Higher			FL WELLS FLSA50000020224
Fluwid: Status: Longitude: Latitude: Well depth:	AAL3750 ACTIVE -82.53786 27.60841 0	Well type: Casing mat:	43 PVC
Length: Diameter: Sanit seal: First name: Phone: Lg pws:	0 6 Yes Not Reported Not Reported 0	Permit num: Name: Last name: Phone ext:	Not Reported SOUTHEAST SCREEN AND EQUIPMENT Not Reported Not Reported
Ly pws. Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id:	Not Reported 3.74 11/12/08 SUPER Stripling 47150 MANATEE 10308 Not Reported Not Reported 34221 975558	Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City:	DGPS Terri MANATEE Not Reported 10308 U S HIGHWAY 41 N Not Reported U S HIGHWAY 41 N PALMETTO
Loc Id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:	975558 975558 Not Reported POTABLE Not Reported No Not Reported 0 0 FLSA500000202224	Action: Res type: Software: Agency:	Not Reported OWNER Well_Solo_v2 DOH

Map ID				
Direction Distance Elevation			Database	EDR ID Number
H41 SE 1/2 - 1 Mile Higher			FL WELLS	FLSA50000020254
Fluwid:	AAL3755	Well type:	43	
Status:	ACTIVE	Casing mat:	PVC	
Longitude:	-82.5342	-		
Latitude:	27.60997			
Well depth:	0			
Length:	0			
Diameter:	4	Permit num:	Not Reported	
Comments:	No permission to sample			
Sanit seal:	Yes	Name:	Not Reported	
First name:	Not Reported	Last name:	BEYNON	
Phone:	Not Reported	Phone ext:	Not Reported	
Lg pws:	0			
Datum:	Not Reported			
Hae:	10.73			
Gps date:	11/12/08	Loc method:	DGPS	
Project id:	SUPER	Insp fname:	Terri	
Insp Iname:	Stripling	Insp chd:	MANATEE	
Req numb:	47150	Property i:	Not Reported	
County:	MANATEE	Address:	10614 30TH AVE E	
Number :	10614	Predir:	Not Reported	
Prefix:	Not Reported	Street:	30TH	
Suffix:	AVE	Postdir:	E	
Zipcode:	34221	City:	PALMETTO	
Loc id:	975554			
Gps id:	975554			
Wsrp id:	Not Reported	Action:	Not Reported	
Port stat:	POTABLE	Res type:	OWNER	
Other id:	Not Reported	Software:	Well_Solo_v2	
Streetside:	Yes	Agency:	DOH	
Parcel id:	Not Reported			
Pws design:	0			
Pws verify:	0			
Site id:	FLSA50000020254			
J42 NNE 1/2 - 1 Mile			FED USGS	USGS2291266
Higher		0		
Agency cd:	USGS	Site no:	273745082321301	
Site name:	2627 FL			
Latitude:	273745	EDR Site id:	USGS2291266	
Longitude:	0823213	Dec lat:	27.629478	
Dec lon:	-82.53676299	Coor meth:	M	
Coor accr:	T	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
Stata	10	County:	0.91	

NAD83 12 US COCKROACH BAY

State:

Country:

Location map:

District: County: Land net: Map scale:

124 081 S7 T33S R18E 24000

Altitude:	Not Reported			
Altitude method:	Interpolated from topographic map			
Altitude accuracy:	5.0			
Altitude datum:	National Geodetic Vertical Datum			
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.		
Topographic:	Not Reported			
Site type:	Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y			
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	NONARTESIAN SAND AQUIFEI	२		
Well depth:	Not Reported	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported	
Water quality data end date	Not Reported	Water quality data count:	Not Reported	
Ground water data begin da	ate: Not Reported	Ground water data end date:	Not Reported	
Ground water data count:	Not Reported			

Ground-water levels, Number of Measurements: 0

#### 143 South 1/2 - 1 Mile Higher

#### USGS2291416 FED USGS Agency cd: USGS Site no: 273628082322201 Site name: 36 32 2 FL 273628 EDR Site id: USGS2291416 Latitude: Longitude: 0823222 27.60809003 Dec lat: Dec lon: -82.53926307 Coor meth: Μ NAD27 Coor accr: Т Latlong datum: 124 Dec latlong datum: NAD83 District: State: 12 County: 081 S18 T33S R18E Country: US Land net: Location map: PALMETTO Map scale: 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Not Reported Mean greenwich time offset: Date inventoried: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported LIMESTONE AQUIFER Aquifer: Well depth: 330 Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: 0 Daily flow data begin date: 0000-00-00 Daily flow data count: 0000-00-00 Daily flow data end date: 0 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data count: 0 Water quality data end date:1955-03-09 Ground water data begin date: 0000-00-00 Ground water data count: 0

Water quality data begin date: 1955-03-09 Water quality data count: 1 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

#### H44 SSE 1/2 - 1 Mile Higher

Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

45 NNW

1/2 - 1 Mile Higher

Well const:

Did type:

Did daily:

Did dail 1:

Did dail 2:

Casing dep:

Casing dia:

Well depth:

Latitude:

Utme:

AAL3758 ACTIVE -82.53526 27.60929 0 0 4 Yes Not Reported Not Reported 0 Not Reported 7.66 11/12/08 SUPER Stripling 47150 MANATEE 10505 Not Reported AVE 34221 975548 975548 Not Reported POTABLE Not Reported No Not Reported 0 0 FLSA50000020241

Not Reported

41100

188800

27 37 47.35

347525.12693

0

0

8

500

Permit num: Name: Last name: Phone ext: Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City: Action: Res type: Software:

Longitude:

Well type:

Casing mat:

FLSA50000020241

FL WELLS

43

GALVANIZED

Not Reported

Not Reported PIERCE Not Reported DGPS Terri MANATEE Not Reported 10505 30TH AVE E Not Reported 30TH F PALMETTO Not Reported OWNER Well\_Solo\_v2 Agency: DOH **FL WELLS** FLSW4000009457 Did status: Existing Withdrawal of Groundwater Well use: Irrigation

82 32 43.46

Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr: State fips: Phone area:	3057150.453049 7 33 18 MANATEE PORT MANATEE LAND 1 10/27/2009 AGRICULTURAL Not Reported FL Not Reported	LLC Permit cla: Line1 addr: City name: Zip cd: Phone nbr:	Letter Modification 101 SANSBURYS WEST PALM BEAC 33411 Not Reported	
K46 SSE 1/2 - 1 Mile Higher			FL WELLS	FLSA50000020222
Fluwid: Status: Longitude: Latitude: Well depth:	AAH1233 ACTIVE -82.53745 27.60826 0	Well type: Casing mat:	43 PVC	
Length: Diameter: Sanit seal: First name: Phone:	0 2 Yes Not Reported Not Reported	Permit num: Name: Last name: Phone ext:	Not Reported Dave Page Not Reported Not Reported	
Lg pws: Datum: Hae: Gps date: Project id:	0 WS1984 6.54 02/27/03 SUPER	Loc method: Insp fname:	DGPS Not Reported	
Insp Iname: Req numb: County: Number : Prefix: Suffix:	Not Reported Not Reported Manatee Not Reported Not Reported Not Reported	Insp chd: Property i: Address: Predir: Street: Postdir:	Not Reported Not Reported 2705 105th st east Not Reported 2705 105th st east Not Reported	
Zipcode: Loc id: Gps id: Wsrp id: Port stat:	34221 324406 324406 Not Reported POTABLE	City: Action: Res type:	Not Reported Not Reported Not Reported	
Other id: Streetside: Parcel id:	Not Reported Not Reported Not Reported	Software: Agency:	Not Reported Not Reported	

J47 NNE 1/2 - 1 Mile Higher

Parcel id: Pws design:

Pws verify:

Site id:

0

0

FLSA50000020222

FED USGS USGS2291269

	11000	0.4	0707 (700000 (00)
Agency cd:	USGS	Site no:	273747082321601
Site name:	29 WT9 FL		1100000000000
Latitude:	273747	EDR Site id:	USGS2291269
Longitude:	0823216	Dec lat:	27.63003353
Dec lon:	-82.53759634	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S7 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	p	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datum		
Hydrologic:	Tampa Bay. Florida. Area = 894 s	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector o	r Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	NONARTESIAN SAND AQUIFER	8	
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	Not Reported	Water quality data count:	Not Reported
Ground water data begin da	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

L48 East 1/2 - 1 Mile Higher			FL WELLS	FLSW4000009313
Well const:	Not Reported	Did status:	Proposed	
Did type:	Withdrawal of Groundwater	Well use:	Irrigation	
Did daily:	4300			
Did dail 1:	0			
Did dail 2:	9200			
Casing dep:	120			
Casing dia:	5			
Well depth:	320			
Latitude:	27 37 12.52	Longitude:	82 31 42.54	
Utme:	349181.6961			
Utmn:	3056057.765			
Section id:	8			
Township i:	33			
Range id:	18			
County:	MANATEE			
Permittee:	PORT MANATEE INDUSTRIA	L PARK LLC		
Permit iss:	12/15/2008	Permit cla:	Renewal	
Permit pre:	AGRICULTURAL	Line1 addr:	253 14TH ST NW	
Line2 addr:	Not Reported	City name:	LARGO	
State fips:	FL	Zip cd:	337702227	

Phone area:	Not Reported	Phone nbr:	Not Reported
L49 East 1/2 - 1 Mile Higher			FL WELLS FLSA5000020494
Fluwid:	AAI3502	Well type:	43
Status: Longitude: Latitude: Well depth:	ACTIVE -82.52846 27.6202 800	Casing mat:	45 Not Reported
Length:	0		
Diameter:	6	Permit num:	Not Reported
Sanit seal: First name:	Not Reported Not Reported	Name: Last name:	Not Reported Not Reported
Phone: Lg pws: Datum:	Not Reported 0 WS1984	Phone ext:	Not Reported
Hae:	0	I an and the st	
Gps date: Project id: Insp Iname:	07/17/07 ANDREW Not Reported	Loc method: Insp fname: Insp chd:	DGPS Not Reported Not Reported
Reg numb:	Not Reported	Property i:	Not Reported
County:	MANATEE	Address:	11951 BUD RHODEN RD.
Number :	Not Reported	Predir:	Not Reported
Prefix:	Not Reported	Street:	11951 BUD RHODEN RD.
Suffix:	Not Reported	Postdir:	Not Reported
Zipcode:	Not Reported	City:	PALMETTO
Loc id:	617994		
Gps id:	617994		
Wsrp id:	410011001	Action:	UNFILTERED
Port stat:	POTABLE	Res type:	Not Reported
Other id:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported		
Pws design: Pws verify:	0 0		
Site id:	FLSA50000020494		
H50 SE 1/2 - 1 Mile			FL WELLS FLSA5000020243
Higher			
Fluwid:	AAH1231	Well type:	43
Status:	ACTIVE	Casing mat:	PVC
Longitude:	-82.53395	outing mut.	
Latitude:	27.60948		
Well depth:	0		
Length:	0		
Diameter:	4	Permit num:	Not Reported
Sanit seal:	Yes	Name:	judy moree
	Not Reported		Not Reported

Phone:	Not Reported	Phone ext:	Not Reported
Lg pws:	0		
Datum:	WS1984		
Hae:	6.82		
Gps date:	02/20/03	Loc method:	DGPS
Project id:	SUPER	Insp fname:	Not Reported
Insp Iname:	Not Reported	Insp chd:	Not Reported
Req numb:	Not Reported	Property i:	Not Reported
County:	Manatee	Address:	10606 30th ave e
Number :	Not Reported	Predir:	Not Reported
Prefix:	Not Reported	Street:	10606 30th ave e
Suffix:	Not Reported	Postdir:	Not Reported
Zipcode:	34221	City:	Palmetto
Loc id:	324402		
Gps id:	324402		
Wsrp id:	Not Reported	Action:	Not Reported
Port stat:	POTABLE	Res type:	Not Reported
Other id:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported		
Pws design:	0		
Pws verify:	0		
Site id:	FLSA5000020243		
M51			
N91 NW 1/2 - 1 Mile Higher			FL WELLS FLSW4000009436
NW 1/2 - 1 Mile Higher	Not Poported	Did status:	
NW 1/2 - 1 Mile Higher Well const:	Not Reported	Did status:	Existing
NW 1/2 - 1 Mile Higher Well const: Did type:	Withdrawal of Groundwater	Did status: Well use:	
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily:	Withdrawal of Groundwater 41100		Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1:	Withdrawal of Groundwater 41100 0		Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2:	Withdrawal of Groundwater 41100 0 188800		Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep:	Withdrawal of Groundwater 41100 0 188800 64		Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia:	Withdrawal of Groundwater 41100 0 188800		Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep:	Withdrawal of Groundwater 41100 0 188800 64 8	Well use:	Existing
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:	Withdrawal of Groundwater 41100 0 188800 64 8 527		Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn: Section id:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utmn: Section id: Township i:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17 MANATEE	Well use:	Existing Irrigation
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17 MANATEE PORT MANATEE LAND LLC	Well use: Longitude:	Existing Irrigation 82 32 58.18
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17 MANATEE PORT MANATEE LAND LLC 10/27/2009	Well use: Longitude: Permit cla: Line1 addr: City name:	Existing Irrigation 82 32 58.18 Letter Modification
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr: State fips:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17 MANATEE PORT MANATEE LAND LLC 10/27/2009 AGRICULTURAL Not Reported FL	Well use: Longitude: Permit cla: Line1 addr: City name: Zip cd:	Existing Irrigation 82 32 58.18 Letter Modification 101 SANSBURYS WAY WEST PALM BEACH 33411
NW 1/2 - 1 Mile Higher Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dep: Casing dia: Well depth: Latitude: Utme: Utme: Utme: Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr:	Withdrawal of Groundwater 41100 0 188800 64 8 527 27 37 42.13 347119.631853 3056994.858945 12 33 17 MANATEE PORT MANATEE LAND LLC 10/27/2009 AGRICULTURAL Not Reported	Well use: Longitude: Permit cla: Line1 addr: City name:	Existing Irrigation 82 32 58.18 Letter Modification 101 SANSBURYS WAY WEST PALM BEACH

M52 NW 1/2 - 1 Mile Higher

FL WELLS FLSW4000009428

Well const:	Not Reported	Did status:	Existing	
Did type:	Withdrawal of Groundwater	Well use:	Irrigation	
Did daily:	41100		0	
Did dail 1:	0			
Did dail 2:	188800			
Casing dep:	0			
Casing dia:	8			
Well depth:	500			
Latitude:	27 37 39.95	Longitude:	82 33 1.63	
Utme:	347024.222843			
Utmn:	3056928.954606			
Section id:	12			
Township i:	33			
Range id:	17			
County:	MANATEE			
Permittee:	PORT MANATEE LAND LLC			
Permit iss:	10/27/2009	Permit cla:	Letter Modification	
Permit pre:	AGRICULTURAL	Line1 addr:	101 SANSBURYS W	ΔV
Line2 addr:	Not Reported	City name:	WEST PALM BEACH	
	FL		33411	
State fips:		Zip cd:		
Phone area:	Not Reported	Phone nbr:	Not Reported	
N53 SSE			FED USGS	
33E 1/2 - 1 Mile			FED 0303	USGS2291423
Higher				
A	11222	0.14	07000000000704	
Agency cd:		Site no:	273630082320701	
Site name:	GRIEKE NURSERY NEAR RUB			
Latitude:	273630	EDR Site id:	USGS2291423	
Longitude:	0823207	Dec lat:	27.60864559	
Dec Ion:	-82.53509632	Coor meth:	M	
Coor accr:	Т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S18 T33S R18E	
Location map:	PALMETTO	Map scale:	24000	
Altitude:	Not Reported	•		
Altitude method:	Interpolated from topographic ma	a		
Altitude accuracy:	5.0	-F		
Altitude datum:	National Geodetic Vertical Datum	of 1929		
Hydrologic:	Tampa Bay. Florida. Area = 894			
Topographic:	Not Reported	Sq.m.		
	•	Data construction:	Not Doported	
Site type:	Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y	-		
Type of ground water site:	Single well, other than collector of	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	FLORIDAN AQUIFER			
Well depth:	350	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	0	Daily flow data begin date:	0000-00-00	
Daily flow data end date:	0000-00-00	Daily flow data count:	0	
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00	
Peak flow data count:	0	Water quality data begin date:		
Water quality data end date		Water quality data count:	1	
Ground water data begin d		Ground water data end date:	0000-00-00	
Ground water data count:			-	

Ground-water levels, Number of Measurements: 0

evation			Database	EDR ID Numbe
4 IE 2 - 1 Mile gher			FED USGS	USGS2291440
Agency cd:	USGS	Site no:	273721082314401	
Site name:	3WT12 FL			
Latitude:	273721	EDR Site id:	USGS2291440	
Longitude:	0823144	Dec lat:	27.62281167	
Dec lon:	-82.52870728	Coor meth:	Μ	
Coor accr:	т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S8 T33S R18E	
Location map:	PALMETTO	Map scale:	24000	
Altitude:	Not Reported	·		
Altitude method:	Interpolated from topographic ma	ap		
Altitude accuracy:	5.0	•		
Altitude datum:	National Geodetic Vertical Datun	n of 1929		
Hydrologic:	Tampa Bay. Florida. Area = 894	sa.mi.		
Topographic:	Not Reported	- 1		
Site type:	Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y	<b>3 1 1 1 1 1</b>	-	
Type of ground water site:	Single well, other than collector of	or Rannev type		
Aquifer Type:	Not Reported			
Aquifer:	NONARTESIAN SAND AQUIFE	२		
Well depth:	Not Reported	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:		Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:		
Water quality data end date		Water quality data count:	Not Reported	
Ground water data begin da		Ground water data end date:	Not Reported	
Ground water data count:				

P55 NE 1/2 - 1 Mile Higher

Agency cd:	USGS	Site no:	273736082315301
Site name:	BORDEN SITE 4S NEAR F	PINEY POINT FL	
Latitude:	273736	EDR Site id:	USGS2291476
Longitude:	0823153	Dec lat:	27.62697814
Dec lon:	-82.53120733	Coor meth:	Μ
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S8 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000

FED USGS

USGS2291476

Altitude: Altitude method: Altitude accuracy: Altitude datum: Hydrologic: Topographic:	Not Reported Interpolated from topographic ma 5.0 National Geodetic Vertical Datum Tampa Bay. Florida. Area = 894 Not Reported	n of 1929	
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	NONARTESIAN SAND AQUIFER	२	
Well depth:	24	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	e:Not Reported	Water quality data count:	Not Reported
Ground water data begin da	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

N56 SSE 1/2 - 1 Mile Higher			FL WELLS FLS	A50000020236
Fluwid:	AAH1250	Well type:	43	
Status:	ACTIVE	Casing mat:	Black Steel	
Longitude:	-82.534			
Latitude:	27.60896			
Well depth:	0			
Length:	0			
Diameter:	4	Permit num:	Not Reported	
Comments:	No permission to sample			
Sanit seal:	Yes	Name:	Tom Yendle	
First name:	Not Reported	Last name:	Not Reported	
Phone:	Not Reported	Phone ext:	Not Reported	
Lg pws:	0			
Datum:	WS1984			
Hae:	5.37			
Gps date:	07/25/03	Loc method:	DGPS	
Project id:	SUPER	Insp fname:	Not Reported	
Insp Iname:	Not Reported	Insp chd:	Not Reported	
Req numb:	Not Reported	Property i:	Not Reported	
County:	Manatee	Address:	10506 30 Ave East	
Number :	Not Reported	Predir:	Not Reported	
Prefix:	Not Reported	Street:	10506 30 Ave East	
Suffix:	Not Reported	Postdir:	Not Reported	
Zipcode:	34221	City:	Palmetto	
Loc id:	324440			
Gps id:	324440			
Wsrp id:	Not Reported	Action:	Not Reported	
Port stat:	POTABLE	Res type:	Not Reported	
Other id:	Not Reported	Software:	Not Reported	
Streetside:	Not Reported	Agency:	Not Reported	
Parcel id:	Not Reported			

Pws design: Pws verify: Site id: 0 0 FLSA5000020236

P57 NE FED USGS USGS2291473 1/2 - 1 Mile Higher Agency cd: USGS Site no: 273736082315201 Site name: 134S FL Latitude: 273736 EDR Site id: USGS2291473 Longitude: 0823152 Dec lat: 27.62697814 -82.53092955 Dec lon: Coor meth: М NAD27 Coor accr: Т Latlong datum: Dec latlong datum: NAD83 District: 124 081 State: 12 County: S8 T33S R18E US Country: Land net: COCKROACH BAY Location map: Map scale: 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Date inventoried: Not Reported Mean greenwich time offset: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported Aquifer: NONARTESIAN SAND AQUIFER Well depth: 24 Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: Not Reported Daily flow data begin date: Not Reported Not Reported Daily flow data end date: Not Reported Daily flow data count: Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data count: Water quality data end date:Not Reported Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

P58 NE 1/2 - 1 Mile Higher

FED USGS USGS2291474

Agency cd:	USGS	Site no:	273736082315202
Site name:	144M FL		
Latitude:	273736	EDR Site id:	USGS2291474
Longitude:	0823152	Dec lat:	27.62697814
Dec lon:	-82.53092955	Coor meth:	Μ
Coor accr:	т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S8 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	ар	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datun	n of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	HAWTHORN FORMATION		
Well depth:	65	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date		Water quality data count:	Not Reported
Ground water data begin d	•	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

#### P59 NE 1/2 - 1 Mile Higher

#### FED USGS USGS2291475

-			
Agency cd:	USGS	Site no:	273736082315203
Site name:	154D FL		
Latitude:	273736	EDR Site id:	USGS2291475
Longitude:	0823152	Dec lat:	27.62697814
Dec lon:	-82.53092955	Coor meth:	Μ
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S8 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic m	ар	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datur	n of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Υ		
Type of ground water site:	Single well, other than collector	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	HAWTHORN FORMATION		
Well depth:	155	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	e:Not Reported	Water quality data count:	Not Reported
Ground water data begin d	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

N60

Parcel id:

Pws design:

Pws verify:

Site id:

#### SSE 1/2 - 1 Mile Higher Well type: Fluwid: AAL3754 ACTIVE Status: Casing mat: -82.53445 Longitude: Latitude: 27.60847 Well depth: 0 Length: 0 Diameter: 2 Permit num: Comments: No permission to sample Sanit seal: Yes Name: First name: Not Reported Last name: Not Reported Phone ext: Phone: Lg pws: 0 Datum: Not Reported Hae: 6.66 11/12/08 Gps date: Loc method: SUPER Project id: Insp fname: Stripling Insp Iname: Insp chd: Req numb: 47150 Property i: County: MANATEE Address: Number: 2903 Predir: Prefix: Not Reported Street: Suffix: Postdir: ST Zipcode: 34221 City: Loc id: 975556 Gps id: 975556 Wsrp id: Not Reported Action: Port stat: POTABLE Res type: Other id: Not Reported Software: Streetside: No Agency:

Not Reported

FLSA50000020226

0

0

FL WELLS FLSA5000020226

43

GALVANIZED

Not Reported

Not Reported

Not Reported

MAXWELL

DGPS

105TH

Е

MANATEE

Not Reported

Not Reported

PALMETTO

Not Reported

Well\_Solo\_v2 DOH

OWNER

2903 105TH ST E

Terri

TC2906880.2s Page A-55

Elevation N61 SSE I/2 - 1 Mile Higher Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Sanit seal:	AAH1230 ACTIVE -82.53526 27.60807 180	Well type: Casing mat:	Database FL WELLS 43 PVC	EDR ID Numbe
SSE I/2 - 1 Mile Higher Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter:	ACTIVE -82.53526 27.60807 180		43	FLSA5000002022
ligher Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter:	ACTIVE -82.53526 27.60807 180			
Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter:	ACTIVE -82.53526 27.60807 180			
Status: Longitude: Latitude: Well depth: Length: Diameter:	ACTIVE -82.53526 27.60807 180			
Longitude: Latitude: Well depth: Length: Diameter:	-82.53526 27.60807 180	Casing mat:	PVC	
Latitude: Well depth: Length: Diameter:	27.60807 180			
Well depth: Length: Diameter:	180			
Length: Diameter:				
Diameter:	0			
	0			
Sanit seal:	2	Permit num:	Not Reported	
	Yes	Name:	amy and louis lazano	)
First name:	Not Reported	Last name:	Not Reported	
Phone:	Not Reported	Phone ext:	Not Reported	
Lg pws:	0			
Datum:	WS1984			
Hae:	7.71			
Gps date:	02/20/03	Loc method:	DGPS	
Project id:	SUPER	Insp fname:	Not Reported	
Insp Iname:	Not Reported	Insp chd:	Not Reported	
Reg numb:	Not Reported	Property i:	Not Reported	
County:	Manatee	Address:	2805 105 st east	
Number :	Not Reported	Predir:	Not Reported	
Prefix:	Not Reported	Street:	2805 105 st east	
Suffix:	Not Reported	Postdir:	Not Reported	
Zipcode:	34221	City:	Palmetto	
Loc id:	324400	2		
Gps id:	324400			
Wsrp id:	Not Reported	Action:	Not Reported	
Port stat:	POTABLE	Res type:	Not Reported	
Other id:	Not Reported	Software:	Not Reported	
Streetside:	Not Reported	Agency:	Not Reported	
Parcel id:	Not Reported			
Pws design:	0			
Pws verify:	0			
Site id:	FLSA50000020220			
62				
NE 2 - 1 Mile igher			FED USGS	USGS2291456
Agency cd:	USGS	Site no:	273725082314301	
Site name:	37 31 3 FL			
Latitude:	273725	EDR Site id:	USGS2291456	

273725 0823143 -82.5284295 T NAD83 12 US PALMETTO

Longitude:

Coor accr: Dec latlong datum:

Dec lon:

State:

Country:

Location map:

- EDR Site id: Dec lat: Coor meth: Latlong datum: District: County: Land net: Map scale:
- USGS2291456 27.62392274 M NAD27 124 081 S8 T33S R18E 24000

Altitude: Altitude method: Altitude accuracy: Altitude datum: Hydrologic: Topographic:	Not Reported Interpolated from topographic ma 5.0 National Geodetic Vertical Datum Tampa Bay. Florida. Area = 894 Not Reported	n of 1929	
Site type:	Ground-water other than Spring		Not Reported
Date inventoried:	Not Reported Y	Mean greenwich time offset:	EST
Local standard time flag: Type of ground water site:	Single well, other than collector c	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	FLORIDAN AQUIFER		
Well depth:	600	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1955-02-04
Water quality data end date	e:1955-02-04	Water quality data count:	1
Ground water data begin da	ate: 0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

N63 SSE 1/2 - 1 Mile Higher			FL WELLS	FLSA50000020212
Fluwid:	AAL3751	Well type:	43	
Status:	ACTIVE	Casing mat:	GALVANIZED	
Longitude:	-82.53546			
Latitude:	27.60768			
Well depth:	0			
Length:	0			
Diameter:	4	Permit num:	Not Reported	
Comments:	DOGS! LOCKED GATE N	o permission to sample		
Sanit seal:	Yes	Name:	Not Reported	
First name:	Not Reported	Last name:	WILLIS	
Phone:	Not Reported	Phone ext:	Not Reported	
Lg pws:	0			
Datum:	Not Reported			
Hae:	3.34			
Gps date:	11/12/08	Loc method:	DGPS	
Project id:	SUPER	Insp fname:	Terri	
Insp Iname:	Stripling	Insp chd:	MANATEE	
Req numb:	47150	Property i:	Not Reported	
County:	MANATEE	Address:	10413 28TH AVE E	
Number :	10413	Predir:	Not Reported	
Prefix:	Not Reported	Street:	28TH	
Suffix:	AVE	Postdir:	E	
Zipcode:	34221	City:	PALMETTO	
Loc id:	975564			
Gps id:	975564			
Wsrp id:	Not Reported	Action:	Not Reported	
Port stat:	POTABLE	Res type:	OWNER	
Other id:	Not Reported	Software:	Well_Solo_v2	
Streetside:	Yes	Agency:	DOH	
Parcel id:	Not Reported			

Pws design: Pws verify: Site id: 0 0 FLSA50000020212

64 NNE FED USGS USGS2291285 1/2 - 1 Mile Higher Agency cd: USGS Site no: 273749082320801 Site name: 33 WT7 FL Latitude: 273749 EDR Site id: USGS2291285 Longitude: 0823208 Dec lat: 27.63058907 -82.53537408 Dec lon: Coor meth: М NAD27 Coor accr: Т Latlong datum: Dec latlong datum: NAD83 District: 124 081 State: 12 County: S7 T33S R18E US Country: Land net: COCKROACH BAY Location map: Map scale: 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Date inventoried: Not Reported Mean greenwich time offset: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported Aquifer: NONARTESIAN SAND AQUIFER Well depth: Not Reported Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: Not Reported Daily flow data begin date: Not Reported Not Reported Daily flow data count: Not Reported Daily flow data end date: Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

65 ESE 1/2 - 1 Mile Higher			FL WELLS	FLSW4000009263
Well const:	778260	Did status:	Capped	
Did type:	Withdrawal of Groundwater	Well use:	To Be Plugged	
Did daily:	0			
Did dail 1:	0			
Did dail 2:	0			
Casing dep:	74			
Casing dia:	6			
Well depth:	350			
Latitude:	27 36 58.4	Longitude:	82 31 39.1	
Utme:	349270.6234	-		

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Utmn: Section id: Township i: Range id: County: Permittee: Permit iss: Permit pre: Line2 addr: State fips:	3055622.0495 8 33 18 MANATEE PORT MANATEE INDUSTRIA 12/15/2008 AGRICULTURAL Not Reported FL	L PARK LLC Permit cla: Line1 addr: City name: Zip cd:	Renewal 253 14TH ST NW LARGO 337702227	
Phone area:	Not Reported	Phone nbr:	Not Reported	
66 NNW 1/2 - 1 Mile Higher			FL WELLS FL	 SW40000009478
Well const: Did type: Did daily: Did dail 1: Did dail 2: Casing dep: Casing dia: Well depth:	Not Reported Withdrawal of Groundwater 0 0 0 209 6 588	Did status: Well use:	Capped Irrigation	
Latitude: Utme: Utmn: Section id: Township i: Range id: County:	27 37 53.17 347560.808088 3057329.148935 6 33 18 MANATEE	Longitude:	82 32 42.24	
Permittee: Permit iss: Permit pre: Line2 addr: State fips:	MANATEE CO PORT AUTHO 01/07/2008 RECREATION/AESTHETIC Not Reported FL	RITY & SHERIFF DEPA Permit cla: Line1 addr: City name: Zip cd:	RTMENT Modification 300 TAMPA BAY WAY PALMETTO 34221	

067 ENE 1/2 - 1 Mile Higher

Agency cd:

Site name: Latitude:

Longitude:

Coor accr:

Dec lon:

State:

Country:

Location map:

Phone area:

USGS 103M FL 273724 0823141 -82.52787393 Т Dec latlong datum: NAD83 12 US PALMETTO

Not Reported

Site no:

Phone nbr:

EDR Site id: Dec lat: Coor meth: Latlong datum: District: County: Land net: Map scale:

#### FED USGS USGS2291454

#### 273724082314102

Not Reported

USGS2291454 27.62364497 Μ NAD27 124 081 S8 T33S R18E 24000

Altitude: Altitude method: Altitude accuracy: Altitude datum:	Not Reported Interpolated from topographic map 5.0 National Geodetic Vertical Datum of 1929			
Hydrologic: Topographic:	Not Reported	Tampa Bay. Florida. Area = 894 sq.mi.		
Site type: Date inventoried: Local standard time flag:	Ground-water other than Spring Not Reported Y	Date construction: Mean greenwich time offset:	Not Reported EST	
Type of ground water site:	Single well, other than collector c	or Ranney type		
Aquifer Type:	Not Reported			
Aquifer:	HAWTHORN FORMATION			
Well depth:	90	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported	
Water quality data end date	e:Not Reported	Water quality data count:	Not Reported	
Ground water data begin d	ate: Not Reported	Ground water data end date:	Not Reported	
Ground water data count:	Not Reported			

Ground-water levels, Number of Measurements: 0

#### **O68** ENE 1/2 - 1 Mile Higher

#### USGS2291453 FED USGS Agency cd: USGS Site no: 273724082314101 Site name: 93S FL EDR Site id: USGS2291453 Latitude: 273724 Longitude: 0823141 Dec lat: 27.62364497 Dec lon: -82.52787393 Coor meth: Μ Coor accr: Т Latlong datum: NAD27 124 Dec latlong datum: NAD83 District: State: 12 County: 081 S8 T33S R18E Country: US Land net: Location map: PALMETTO Map scale: 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Not Reported Mean greenwich time offset: Date inventoried: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported NONARTESIAN SAND AQUIFER Aquifer: Well depth: 21 Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data count: Daily flow data end date: Not Reported Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported

Peak flow data count: Not Reported Water quality data end date:Not Reported Ground water data begin date: Not Reported Ground water data count: Not Reported Water quality data begin date:Not ReportedWater quality data count:Not ReportedGround water data end date:Not Reported

Ground-water levels, Number of Measurements: 0

O69	
ENE	
1/2 - 1	Mile
Highe	r

FED USGS USGS2291455

Agency cd:	USGS	Site no:	273724082314103	
Site name:	113D FL		210124002014100	
Latitude:	273724	EDR Site id:	USGS2291455	
Longitude:	0823141	Dec lat:	27.62364497	
Dec lon:	-82.52787393	Coor meth:	M	
Coor accr:	Т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S8 T33S R18E	
Location map:	PALMETTO	Map scale:	24000	
Altitude:	Not Reported	·		
Altitude method:	Interpolated from topographic ma	ар		
Altitude accuracy:	5.0			
Altitude datum:	National Geodetic Vertical Datun	n of 1929		
Hydrologic:	Tampa Bay. Florida. Area = 894	sq.mi.		
Topographic:	Not Reported			
Site type:	Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	
Local standard time flag:	Y			
Type of ground water site:	Single well, other than collector or Ranney type			
Aquifer Type:	Not Reported			
Aquifer:	HAWTHORN FORMATION			
Well depth:	155	Hole depth:	Not Reported	
Source of depth data:	Not Reported			
Project number:	459600200			
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported	
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported	
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported	
Water quality data end date		Water quality data count:	Not Reported	
Ground water data begin d		Ground water data end date:	Not Reported	
Ground water data count:	Not Reported			

Ground-water levels, Number of Measurements: 0

70 ESE 1/2 - 1 Mile Higher			FL WELLS	FLSW4000009245
Well const:	533058	Did status:	Capped	
Did type:	Withdrawal of Groundwater	Well use:	Irrigation	
Did daily:	52100			
Did dail 1:	0			
Did dail 2:	284000			
Casing dep:	0			
Casing dia:	8			
Well depth:	650			
Latitude:	27 36 52.53	Longitude:	82 31 39.45	
Utme:	349258.795517	-		

Utmn: Section id: Township i: Range id: County: Permitee: Permit iss: Permit pre: Line2 addr: State fips: Phone area: 3055441.516297 17 33 18 MANATEE BLACK DOG GROVES INC 01/01/2003 AGRICULTURAL Not Reported FL Not Reported

Permit cla: Line1 addr: City name: Zip cd: Phone nbr:

SWUCA Automated Update 5004 RIVERVIEW BLVD W BRADENTON 34209 Not Reported

#### FL WELLS FLSA5000020195

71 SSE 1/2 - 1 Mile Higher			FL WELLS
Fluwid: Status: Longitude: Latitude: Well depth:	AAL3753 ACTIVE -82.53588 27.60655 0	Well type: Casing mat:	43 GALVANIZED
Length: Diameter: Sanit seal: First name: Phone: Lg pws: Datum:	0 4 Yes Not Reported Not Reported 0 Not Reported	Permit num: Name: Last name: Phone ext:	Not Reported Not Reported CROTTY Not Reported
Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix:	Not Reported 5.88 11/12/08 SUPER Stripling 47150 MANATEE 10205 Not Reported AVE	Loc method: Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir:	DGPS Terri MANATEE Not Reported 10205 28TH AVE E Not Reported 28TH E
Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:	34221 975560 975560 Not Reported POTABLE Not Reported No Not Reported 0 0 FLSA50000020195	City: Action: Res type: Software: Agency:	PALMETTO Not Reported OWNER Well_Solo_v2 DOH

72 SSE 1/2 - 1 Mile Higher

FL WELLS FLSA50000020204

Fluwid: Status: Longitude: Latitude: Well depth: Length: Diameter: Comments: Sanit seal: First name: Phone: Lg pws: Datum: Hae: Gps date: Project id: Insp Iname: Req numb: County: Number : Prefix: Suffix: Zipcode: Loc id: Gps id: Wsrp id: Port stat: Other id: Streetside: Parcel id: Pws design: Pws verify: Site id:

73 North

1/2 - 1 Mile Higher

AAL3752 ACTIVE -82.53459 27.60704 0 0 4 No permission to sample Yes Not Reported Not Reported 0 Not Reported 13.94 11/12/08 SUPER Stripling 47150 MANATEE 10326 Not Reported AVE 34221 975562 975562 Not Reported POTABLE Not Reported No Not Reported 0 0

FLSA50000020204

Well type: Casing mat: 43 GALVANIZED

Not Reported

Not Reported

Not Reported

CASE

Permit num:

Name: Last name: Phone ext:

Loc method:

Insp fname: Insp chd: Property i: Address: Predir: Street: Postdir: City: Action: Res type: Software:

Agency:

DGPS Terri MANATEE Not Reported 10326 28TH AVE E Not Reported 28TH Е PALMETTO

Not Reported OWNER Well\_Solo\_v2 DOH

> FED USGS USGS2291297

-				
Agency cd:	USGS	Site no:	273758082322701	
Site name:	33S18E06 73723201342 FL			
Latitude:	273758	EDR Site id:	USGS2291297	
Longitude:	0823227	Dec lat:	27.63308893	
Dec lon:	-82.54065196	Coor meth:	Μ	
Coor accr:	Т	Latlong datum:	NAD27	
Dec latlong datum:	NAD83	District:	124	
State:	12	County:	081	
Country:	US	Land net:	S6 T33S R18E	
Location map:	COCKROACH BAY	Map scale:	24000	
Altitude:	Not Reported			
Altitude method:	Interpolated from topographic map			
Altitude accuracy:	5.0			
Altitude datum:	National Geodetic Vertical Datum of 1929			
Hydrologic:	Tampa Bay. Florida. Area = 894 sq.mi.			
Topographic:	Not Reported			
Site type:	Ground-water other than Spring	Date construction:	Not Reported	
Date inventoried:	Not Reported	Mean greenwich time offset:	EST	

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1966-05-10
Water quality data end date	e:1966-05-10	Water quality data count:	2
Ground water data begin da	ate: 0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

# 74 NNE 1/2 - 1 Mile Higher

0			
Agency cd:	USGS	Site no:	273752082320201
Site name:	35 WT6 FL		
Latitude:	273752	EDR Site id:	USGS2291292
Longitude:	0823202	Dec lat:	27.63142238
Dec lon:	-82.53370737	Coor meth:	M
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S6 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic ma	ip	
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datum	of 1929	
Hydrologic:	Tampa Bay. Florida. Area = 894 s	sq.mi.	
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector o	r Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	NONARTESIAN SAND AQUIFER	र	
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	•	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	•
Water quality data end date		Water quality data count:	Not Reported
Ground water data begin da	1	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

FED USGS USGS2291292

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Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	I FL 745 8151 53065176	Site no: EDR Site id: Dec lat: Coor meth: Latlong datum: District: County:	FED USGS 273745082315101 USGS2291265 27.62947804 M NAD27 124	USGS2291265
Site name:S4INLatitude:2737Longitude:0823Dec lon:-82.5Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	I FL 745 3151 53065176 83	EDR Site id: Dec lat: Coor meth: Latlong datum: District: County:	USGS2291265 27.62947804 M NAD27	
Latitude:2737Longitude:0823Dec lon:-82.5Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	745 3151 53065176 83	Dec lat: Coor meth: Latlong datum: District: County:	27.62947804 M NAD27	
Longitude:0823Dec lon:-82.5Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	8151 53065176 83	Dec lat: Coor meth: Latlong datum: District: County:	27.62947804 M NAD27	
Dec Ion:-82.5Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	53065176 83	Coor meth: Latlong datum: District: County:	M NAD27	
Coor accr:TDec latlong datum:NADState:12Country:USLocation map:COCAltitude:Not fAltitude method:Inter	83	Latlong datum: District: County:	NAD27	
Dec lationg datum:NADState:12Country:USLocation map:COCAltitude:Not FAltitude method:Inter		District: County:		
State:12Country:USLocation map:COCAltitude:Not FAltitude method:Inter		County:	124	
Country:USLocation map:COCAltitude:Not FAltitude method:Inter			124	
Location map: COC Altitude: Not F Altitude method: Inter		-	081	
Altitude: Not I Altitude method: Inter		Land net:	S8 T33S R18E	
Altitude method: Inter	INNUAUTIDAT	Map scale:	24000	
	Reported			
	polated from topographic ma	p		
Altitude accuracy: 5.0				
Altitude datum: Natio	onal Geodetic Vertical Datum	of 1929		
Hydrologic: Tam	pa Bay. Florida. Area = 894 s	sq.mi.		
Topographic: Not I	Reported			
Site type: Grou	Ind-water other than Spring	Date construction:	Not Reported	
Date inventoried: Not I	Reported	Mean greenwich time offset:	EST	
Local standard time flag: Y		5		
Type of ground water site: Sing	le well, other than collector o	r Ranney type		
Aquifer Type: Not I	Reported			
Aquifer: Not I	Reported			
Well depth: Not I	Reported	Hole depth:	Not Reported	
Source of depth data: Not I	Reported			
Project number: 4596	600200			
Real time data flag: Not I	Reported	Daily flow data begin date:	Not Reported	
Daily flow data end date: Not I	Reported	Daily flow data count:	Not Reported	
Peak flow data begin date: Not I	Reported	Peak flow data end date:	Not Reported	
Peak flow data count: Not I	Reported	Water quality data begin date:	Not Reported	
Water quality data end date:Not I	Reported	Water quality data count:	Not Reported	
Ground water data begin date: N	ot Reported	Ground water data end date:	Not Reported	
Ground water data count: Not I	Reported			
Ground-water levels, Number of	Measurements: 0			

Agency cd:	USGS	Site no:	273747082315201
Site name:	28PROD FL		
Latitude:	273747	EDR Site id:	USGS2291268
Longitude:	0823152	Dec lat:	27.63003357
Dec lon:	-82.53092954	Coor meth:	Μ
Coor accr:	Т	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	124
State:	12	County:	081
Country:	US	Land net:	S8 T33S R18E
Location map:	COCKROACH BAY	Map scale:	24000

Altitude: Altitude method: Altitude accuracy: Altitude datum: Hydrologic:	Not Reported Interpolated from topographic ma 5.0 National Geodetic Vertical Datum Tampa Bay. Florida. Area = 894	n of 1929	
Topographic:	Not Reported	<b>-</b>	
Site type:	Ground-water other than Spring		Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector of	or Ranney type	
Aquifer Type:	Not Reported		
Aquifer:	HAWTHORN FORMATION		
Well depth:	270	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	459600200		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date	Not Reported	Water quality data count:	Not Reported
Ground water data begin d	ate: Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

#### 77 ENE 1/2 - 1 Mile Higher

#### Agency cd: USGS Site no: 273736082314101 S3 OUT FL Site name: EDR Site id: USGS2291472 Latitude: 273736 Longitude: 0823141 Dec lat: 27.62697816 Dec lon: -82.52787393 Coor meth: Μ NAD27 Coor accr: Т Latlong datum: 124 Dec latlong datum: NAD83 District: 081 State: 12 County: S8 T33S R18E Country: US Land net: Location map: Map scale: COCKROACH BAY 24000 Altitude: Not Reported Altitude method: Interpolated from topographic map Altitude accuracy: 5.0 National Geodetic Vertical Datum of 1929 Altitude datum: Hydrologic: Tampa Bay. Florida. Area = 894 sq.mi. Topographic: Not Reported Site type: Ground-water other than Spring Date construction: Not Reported Not Reported Mean greenwich time offset: Date inventoried: EST Local standard time flag: Υ Type of ground water site: Single well, other than collector or Ranney type Aquifer Type: Not Reported Not Reported Aquifer: Not Reported Well depth: Hole depth: Not Reported Source of depth data: Not Reported Project number: 459600200 Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data count: Not Reported Daily flow data end date: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported

USGS2291472

FED USGS

Peak flow data count:Not ReportedWater quality data end date:Not ReportedGround water data begin date:Not ReportedGround water data count:Not Reported

Water quality data begin date:Not ReportedWater quality data count:Not ReportedGround water data end date:Not Reported

Ground-water levels, Number of Measurements: 0

#### AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip 	Total Buildings	% of sites>4pCi/L	Data Source
34221	28	17.9	Certified Residential Database
34221	51	2.0	Mandatory Non-Residential Database
34221	2	0.0	Mandatory Residential Database

Federal EPA Radon Zone for MANATEE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

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

Federal Area Radon Information for MANATEE COUNTY, FL

Number of sites tested: 83

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.740 pCi/L	95%	5%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 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

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS) Telephone: 800-672-5559

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

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

DEP GWIS - Generalized Water Information System Well Data Source: Department of Environmental Protection Telephone: 850-245-8507 Data collected for the Watersed Monitoring Section of the Department of Environmental Protection.

DOH and DEP Historic Study of Private Wells Source: Department of Environmental Protection Telephone: 850-559-0901 Historic database for private supply wells.

Well Construction Permitting Database Source: Northwest Florida Water Management District Telephone: 850-539-5999

Consumptive Use Permit Well Database Source: St. Johns River Water Management District Telephone: 386-329-4841

Permitted Well Location Database Source: South Florida Water Management District Telephone: 561-682-6877

Super Act Program Well Data

 This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public
 Source: Department of Health
 Telephone: 850-245-4250

Water Well Location Information Source: Suwannee River Water Management District Telephone: 386-796-7211

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

Water Well Permit Database Source: Southwest Water Management District Telephone: 352-796-7211

#### OTHER STATE DATABASE INFORMATION

Florida Sinkholes Source: Department of Environmental Protection, Geological Survey The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

Oil and Gas Permit Database Source: Department of Environmental Protection Telephone: 850-245-3194 Locations of all permitted wells in the state of Florida.

#### RADON

State Database: FL Radon Source: Department of Health Telephone: 850-245-4288 Zip Code Based Radon Data

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

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

#### OTHER

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

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

#### STREET AND ADDRESS INFORMATION

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APPENDIX C HISTORICAL DOCUMENTATION

## **52-Acre Parcel in Manatee County**

11805 North US Highway 41 Palmetto, FL 34221

Inquiry Number: 2906880.3 October 28, 2010

## **Certified Sanborn® Map Report**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

#### **Certified Sanborn® Map Report**

## Site Name: 52-Acre Parcel in Manatee

11805 North US Highway 41 Palmetto, FL 34221

EDR Inquiry # 2906880.3

#### Client Name:

Golder Associates. Inc. 5100 West Lemon Street Tampa, FL 33609

Contact: Paola Pringle



10/28/10

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Golder Associates, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name:	52-Acre Parcel in Manatee County
Address:	11805 North US Highway 41
City, State, Zip:	Palmetto, FL 34221
Cross Street:	
P.O. #	NA
Project:	093-89603
Certification #	40E9-455E-8FEF

#### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification # 40E9-455E-8FEF

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress University Publications of America EDR Private Collection

The Sanborn Library LLC Since 1866™

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#### 52-Acre Parcel in Manatee County

11805 North US Highway 41 Palmetto, FL 34221

Inquiry Number: 2906880.6 November 01, 2010

# **The EDR-City Directory Abstract**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

Findings

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

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### 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location*. Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. You Select Addresses and EDR Selects Addresses. Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. You Select Addresses. Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look

at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit <u>www.edrnet.com/2009enhancements</u>

# **EXECUTIVE SUMMARY**

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u> <u>Sou</u>	<u>irce</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006 Polk'	's City Directory	-	х	х	-
1999 Polk'	's City Directory	-	х	Х	-
1992 Polk'	's City Directory	-	х	Х	-
1986 Polk'	's City Directory	-	Х	Х	-
1981 Polk'	's City Directory	-	х	Х	-
1976 Polk'	's City Directory	-	Х	Х	-
1971 Polk'	's City Directory	-	-	-	-
1966 Polk'	's City Directory	-	-	-	-
1961 Polk'	's City Directory	-	-	-	-
1931 Polk'	's City Directory	-	-	-	-

# **FINDINGS**

### TARGET PROPERTY INFORMATION

### ADDRESS

11805 North US Highway 41 Palmetto, FL 34221

### **FINDINGS DETAIL**

Target Property research detail.

No Addresses Found

# **FINDINGS**

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### North US Highway 41

### North US Highway 41

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory
1999	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory
1992	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory
1986	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory
1981	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory
1976	No address listings 11700 to 11999 North US Highway 41	Polk's City Directory

# **FINDINGS**

### STREET NOT IDENTIFIED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not identified in the research source.

Street Researched	Street Not Identified in Research Source

North US Highway 41

1971, 1966, 1961, 1931

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
11805 North US Highway 41	2006, 1999, 1992, 1986, 1981, 1976

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

#### Address Not Identified in Research Source

North US Highway 41

No Years Found

# **52-Acre Parcel in Manatee County**

11805 North US Highway 41 Palmetto, FL 34221

Inquiry Number: 2906880.4 October 28, 2010

# **EDR Historical Topographic Map Report**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

# **EDR Historical Topographic Map Report**

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

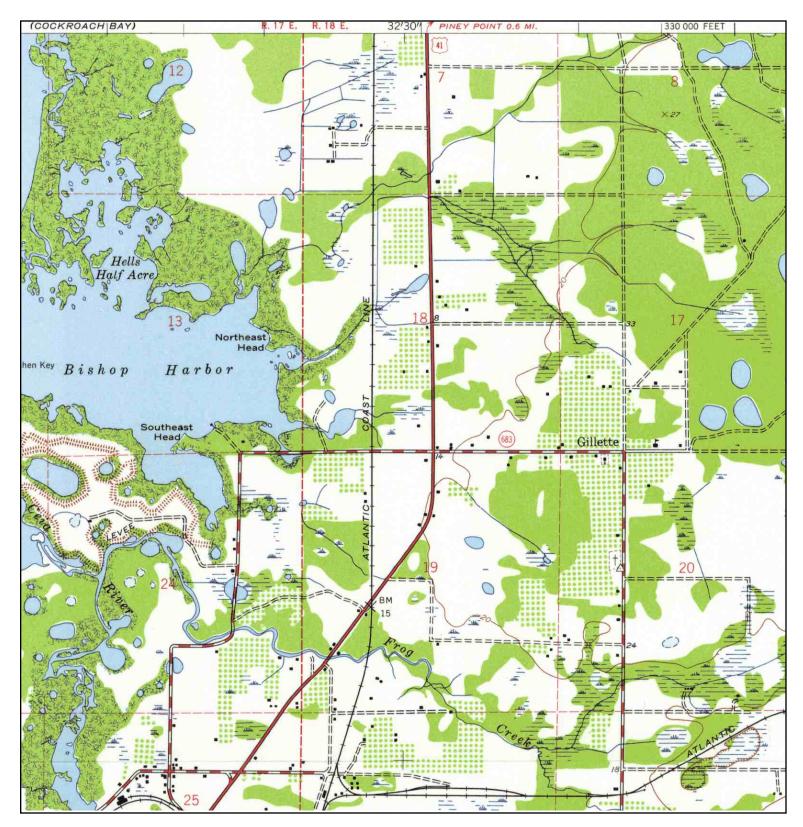
*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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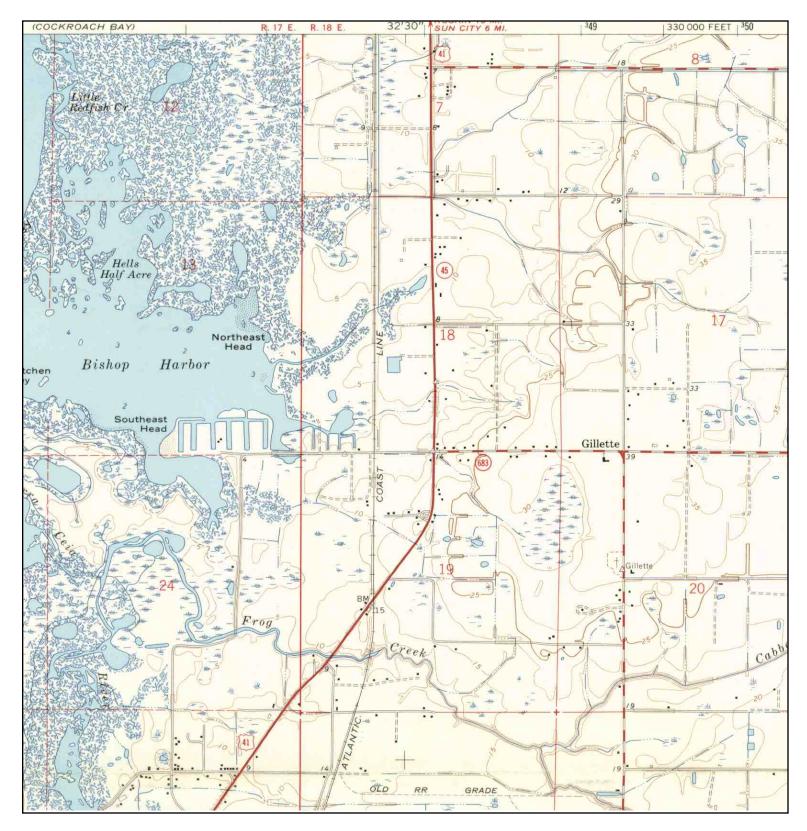
TARGET QUAD NAME: PALMETTO MAP YEAR: 1944

Ν

SERIES: 7.5 SCALE: 1:24000

LAT/LONG:

SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto, FL 34221 LAT/LONG: 27.6191 / -82.5414



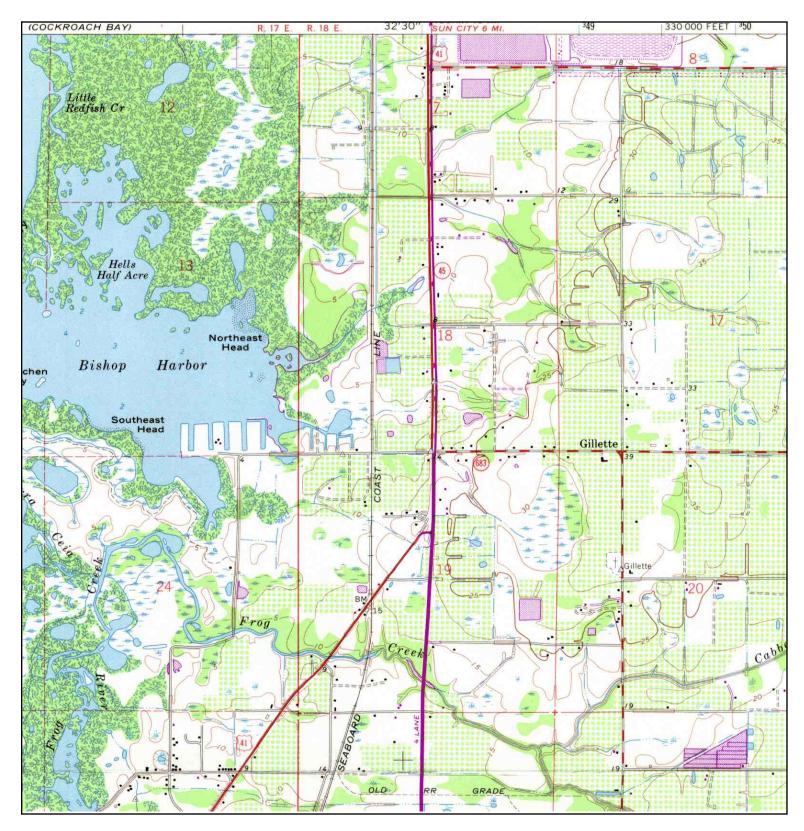
TARGET QUAD NAME: PALMETTO MAP YEAR: 1964 SERIES: 7.5

Ν

SCALE: 1:24000

LAT/LONG:

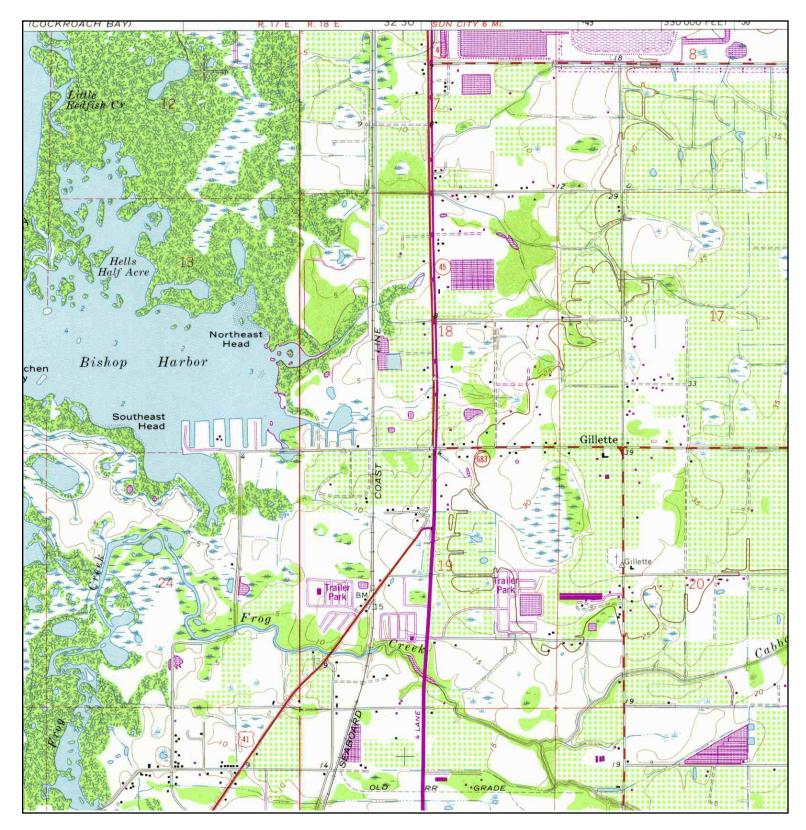
SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto, FL 34221 LAT/LONG: 27.6191 / -82.5414



TARGET QUADNAME:PALMETTOMAP YEAR:1969PHOTOREVISED:1964SERIES:7.5SCALE:1:24000

Ν

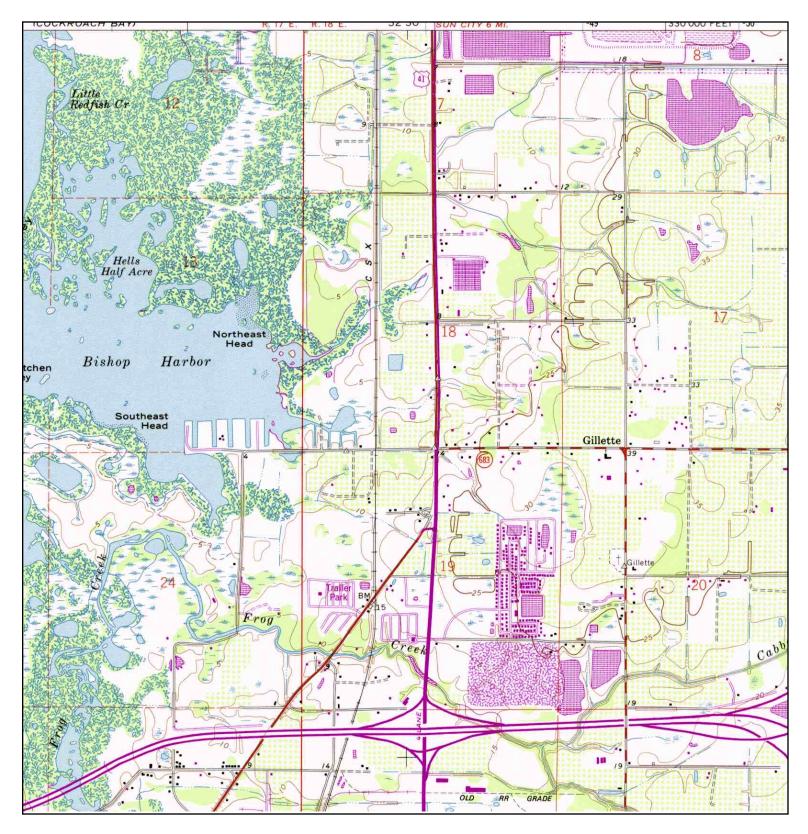
SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto, FL 34221 LAT/LONG: 27.6191 / -82.5414



TARGET QUADNAME:PALMETTOMAP YEAR:1981PHOTOREVISED:1964SERIES:7.5SCALE:1:24000

Ν

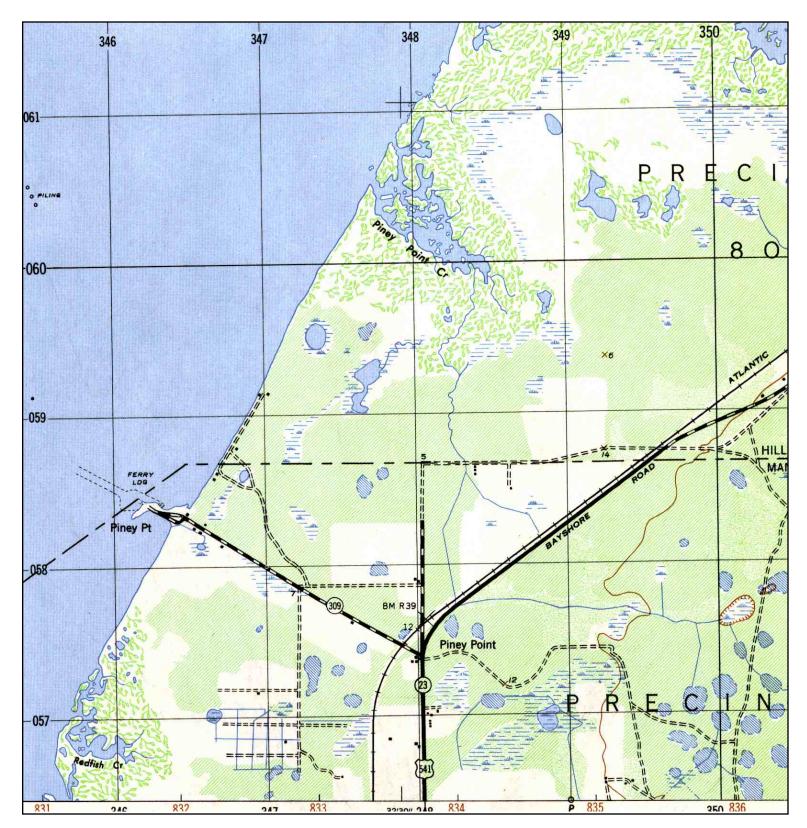
SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto, FL 34221 LAT/LONG: 27.6191 / -82.5414



TARGET QUADNAME:PALMETTOMAP YEAR:1987PHOTOREVISED:1964SERIES:7.5SCALE:1:24000

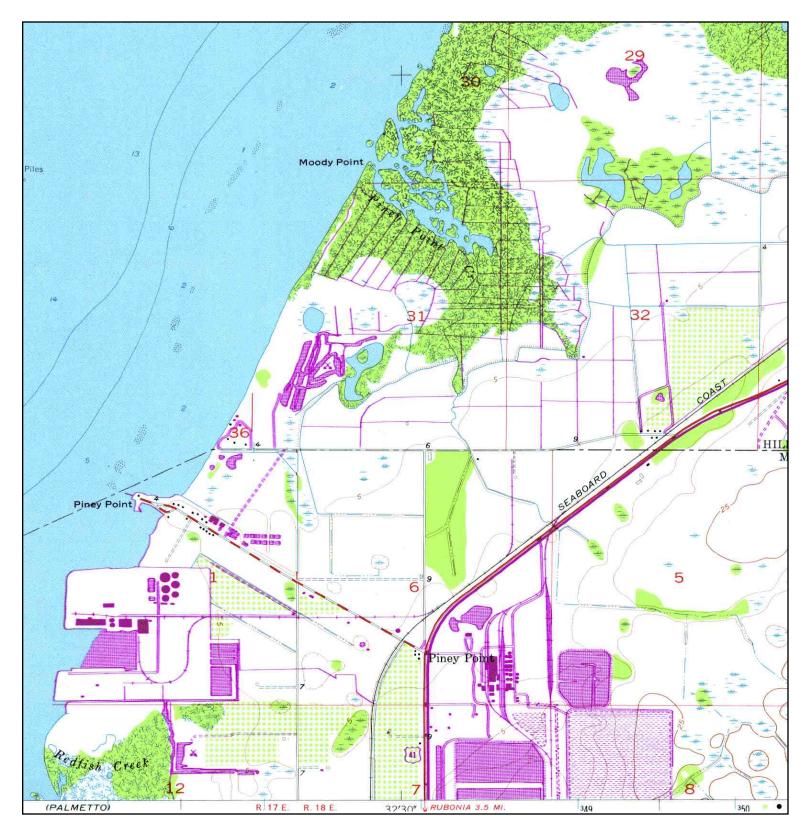
Ν

SITE NAME: 52-Acre Parcel in Manatee County ADDRESS: 11805 North US Highway 41 Palmetto, FL 34221 LAT/LONG: 27.6191 / -82.5414

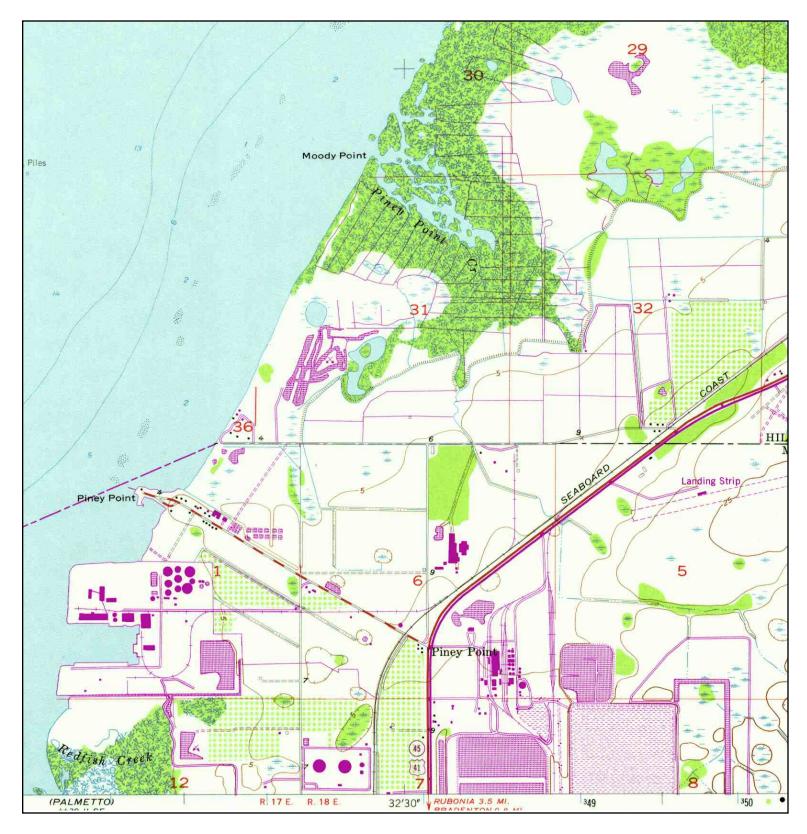


	ADJOINING	QUAD				
	NAME:	COCKROACH BAY	SITE NAME:	52-Acre Parcel in Manatee	CLIENT:	Golder Associates, Inc.
N	MAP YEAR:	1948		County	CONTACT:	Paola Pringle
🖊			ADDRESS:	11805 North US Highway 41	INQUIRY#:	2906880.4
	SERIES:	7.5		Palmetto, FL 34221	RESEARCH	DATE: 10/28/2010
'	SCALE:	1:25000	LAT/LONG:	27.6191 / -82.5414		





N		COCKROACH BAY	SITE NAME:	52-Acre Parcel in Manatee	CLIENT:	Golder Associates, Inc.
	MAP YEAR: PHOTOREV		ADDRESS:	County 11805 North US Highway 41	INQUIRY#:	Paola Pringle 2906880.4
	SERIES:	7.5		Palmetto, FL 34221	RESEARCH	DATE: 10/28/2010
	SCALE:	1:24000	LAT/LONG:	27.6191 / -82.5414		



ADJOINING QUAD NAME: COCKROACH BAY SITE NAME: 52-Acre Parcel in Manatee CLIENT: Golder Associates, Inc. Ν County MAP YEAR: 1981 CONTACT: Paola Pringle PHOTOREVISED:1956 ADDRESS: 11805 North US Highway 41 INQUIRY#: 2906880.4 SERIES: 7.5 Palmetto, FL 34221 **RESEARCH DATE: 10/28/2010** SCALE: LAT/LONG: 27.6191 / -82.5414 1:24000

# **52-Acre Parcel in Manatee County**

11805 North US Highway 41 Palmetto, FL 34221

Inquiry Number: 2906880.5 November 01, 2010

# **The EDR Aerial Photo Decade Package**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

# **EDR Aerial Photo Decade Package**

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

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

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# **Date EDR Searched Historical Sources:**

Aerial Photography November 01, 2010

# **Target Property:**

11805 North US Highway 41 Palmetto, FL 34221

<u>Year</u>	Scale	<u>Details</u>	<u>Source</u>
1940	Aerial Photograph. Scale: 1"=600'	Flight Year: 1940	ASCS
1951	Aerial Photograph. Scale: 1"=600'	Flight Year: 1951	ASCS
1969	Aerial Photograph. Scale: 1"=600'	Flight Year: 1969	FL DOT
1977	Aerial Photograph. Scale: 1"=600'	Flight Year: 1977	FL DOT
1987	Aerial Photograph. Scale: 1"=600'	Flight Year: 1987	FL DOT
1998	Aerial Photograph. Scale: 1"=600'	Flight Year: 1998	FL DOT
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Flight Year: 2006	EDR













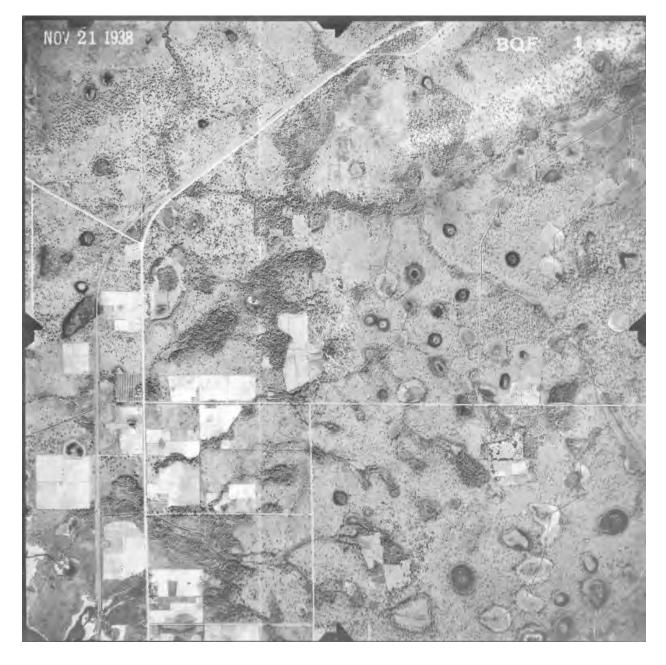




December 2010

Project No. 093-89603

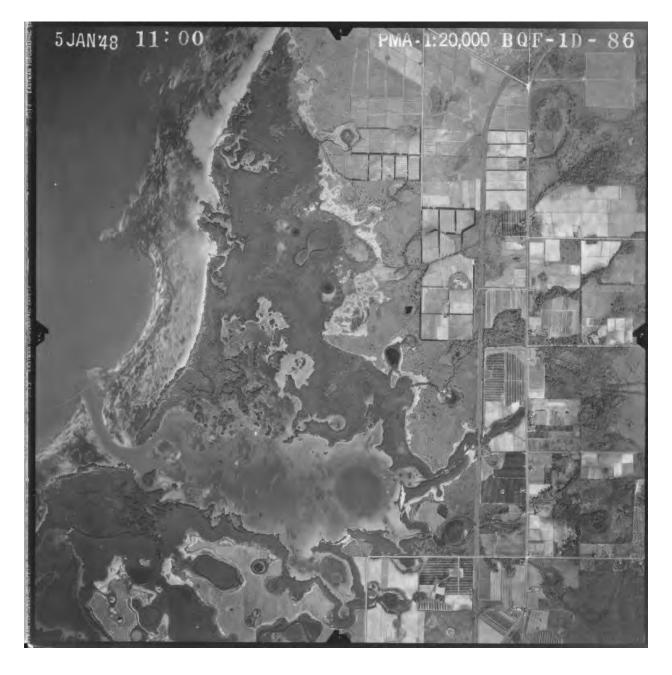
# Year: 1938



December 2010

Project No. 093-89603

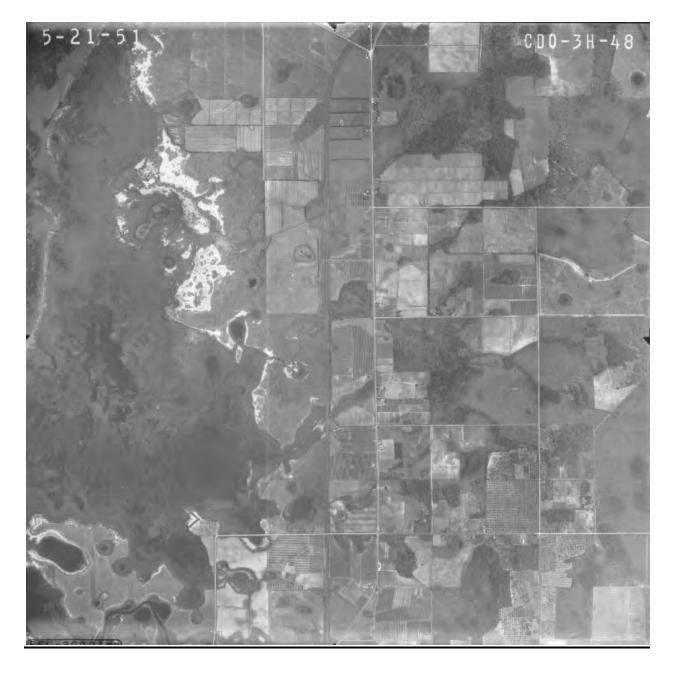
# Year: 1948



December 2010

Project No. 093-89603

# Year: 1951



December 2010

Project No. 093-89603

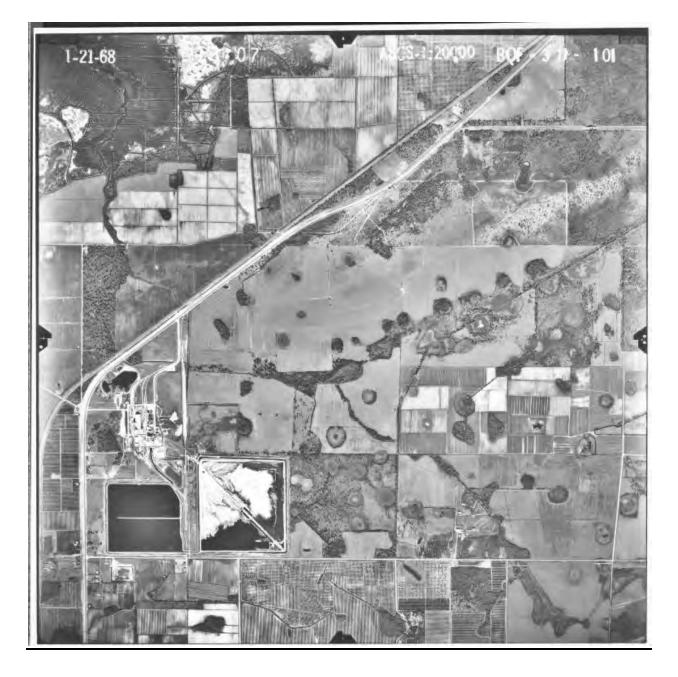
### Year: 1957



December 2010

Project No. 093-89603

# Year: 1968



December 2010

Project No. 093-89603

# Year: 1970



APPENDIX D PHOTOGRAPHS TAKEN DURING THE SUBJECT PROPERTY SITE RECONAISSANCE

### Photographs Taken November 5, 2010 during Site Reconnaissance Activities



Photograph 1: View looking east-northeast – Buckeye Road in foreground – Piney Point Phosphogypsum Stack in Background.



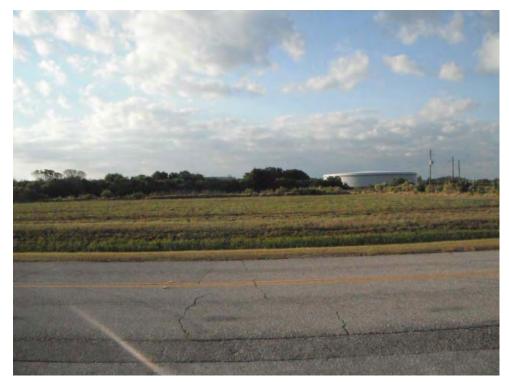
Photograph 2: View looking west-northwest – Buckeye Road in foreground – pond berm in background (presumably associated with the Piney Point remedy).



### ENVIRONMENTAL SITE ASSESSMENT Florida Biomass Energy, LLC 11805 North US Highway 41, Palmetto FL

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Photograph 3: View looking south from Dock Street – note aboveground storage tanks (ASTs) in background.



Photograph 4: View of 20,000-gallon capacity fuel AST located at Commercial Carrier Corp. (CCC).



#### ENVIRONMENTAL SITE ASSESSMENT Florida Biomass Energy, LLC 11805 North US Highway 41, Palmetto FL

December 2010

Project No. 093-89603



Photograph 5: View of northwest corner of the CCC building - note AST (likely the 3,000 gallon waste oil AST listed in Table 1 of this report).



Photograph 6: View looking northwest over the north-central portion of the 12165 US Highway 41 N Parcel (Ajax Paving) – note totes with flammable placard (No. 1993 Flammable Liquids).





Photograph 7: View looking northwest at FPL Buckeye Substation – note transformers.



Photograph 8: View of 2-inch diameter monitor well (found to be broken at land surface).





Photograph 9: Irrigation well.



Photograph 10: View looking east at Oil Pipeline Crossing at ditch approximately 500 feet north of the northwest corner of the site.



#### ENVIRONMENTAL SITE ASSESSMENT Florida Biomass Energy, LLC 11805 North US Highway 41, Palmetto FL

Project No. 093-89603



Photograph 11: View looking south from Oil Pipeline Crossing.



Project No. 093-89603



Photograph 12: Pile of pallets and trash smaller near the northern western property line.



Photograph 13: View of irrigation well materials near west property line.



appendix d - fbenergy photo log.docx

Project No. 093-89603



Photograph 14: View looking east at 30 gallon HDPE drum (note "Diesel" written in yellow and missing bung).



Photograph 15: View looking east at pile of corroded metal debris pile.





Photograph 16: Views of insect trap hanging in tree near southeast corner of the property.



Photograph 17: View looking west at lift station at 11006 US Highway 41 N. Note AST in center left, labeled Hydrogen Peroxide.





Photograph 18: View looking northwest – note lift station Hydrogen Peroxide AST and roll top container on left (11006 US Highway 41 N). Note what appears to be fuel AST on property adjacent to lift station (11008 US Highway 41 N).



Photograph 19: View looking southeast at what appear to be fuel ASTs located at 11008 US Highway 41 N.



#### ENVIRONMENTAL SITE ASSESSMENT Florida Biomass Energy, LLC 11805 North US Highway 41, Palmetto FL

December 2010

Project No. 093-89603



Photographs 20 and 21: view of debris piles located on adjacent property located to the east of the subject property.



# APPENDIX E USER QUESTIONNAIRE

### ASTM International Standard E 1527 – 05

#### User Questionnaire

#### Florida Biomass Energy, LLC Phase I ESA for the approximate 52-acre parcel located at 11805 Nort US Highway 41, in Palmetto, Manatee County, Florida

The ASTM Standard requires the person commissioning a Phase I Environmental Site Assessment (the user) to provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

#### 1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state or local law? If yes, please explain the details. No knowledge

# 2. Activity and land use limitations (AULs) that are in place on the site or have that been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? If yes, please explain the details. No knowledge

#### 3. Specialized knowledge or experience of the user (40 CFR 312.28).

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 property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If yes, please explain the details.

# 4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference have you considered whether the lower purchase price is because contamination is know or believed to be present at the property? If yes, please explain the details.

#### It reflects fair market value

# 5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

a) Do you know the past uses of the property? If yes, please explain the details.

#### Agriculture

b) Do you know of specific chemicals that are present or once were present at the property? If yes, please explain the details.

No knowledge

C) Do you know of spills or other chemical releases that have taken place at the property? If yes, please explain the details.

No knowledge

- d) Do you know of any environmental cleanups that have taken place at the property? If yes, please explain the details.
   No knowledge
- 5. The degree of obviousness or the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *ESA*, based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*? If yes, please explain the details.

User Questionnaire Completed By:\_Richard F Jensen, President, FBenergy

Date: Nov 2 2010

APPENDIX F RESUMES OF ENVIRONMENTAL PROFESSIONALS



# DOUGLAS GRANT, CHMM

### Education

MS Environmental Pollution Control, The Pennsylvania State University, State College, Pennsylvania, 1984

BS Environmental Science, Florida Institute of Technology, Melbourne, Florida, 1978-1982

#### Certifications

Certified Hazardous Materials Manager

Certified Environmental, Health and Safety Manager

Health and Safety for Hazardous Waste Site Activities

Sampling Procedures for Hazardous Waste Sites

# **Golder Associates Inc. – Tampa**

Douglas Grant has 25 years of experience in a wide range of projects including senior project management, hazardous waste permitting and closure, regulatory compliance, transactional audits, and contamination assessments. Doug routinely advises industrial clients and attorneys on regulatory compliance issues and provides environmental litigation support and expert witness testimony. He has considerable experience directing and managing contamination assessments, including RCRA facility assessments and investigations, and has prepared reports of full evaluations of RCRA and CERCLA sites and facilities regulated by consent order. He has been responsible for project management, design, and technical review on more than 200 environmental assessment-related and hazardous materials management projects.

# **Employment History**

#### Golder Associates Inc. – Tampa, Florida

Associate and Senior Consultant (2001 to Present)

Conducts inspections at industrial sites to evaluate regulatory compliance with RCRA, and other federal and state regulations. Routinely advises industrial clients and attorneys on regulatory compliance issues, and provides environmental litigation support and expert witness testimony. Directs contamination assessments, including RCRA Facility Assessments and Investigations. Prepares reports for full evaluations of RCRA and CERCLA sites and facilities regulated by consent order. Performs, manages, or directs Phase I and II Environmental Site Assessments (ESAs) for property or financial transactions. Manages and performs hazardous materials assessments.

#### S.E. McDonough & Associates, Inc. – Tampa, Florida

Senior Project Scientist (2000 to 2001)

Expertise included regulatory compliance at industrial facilities. Extensive experience with contamination assessments, including directing field investigations and preparing reports for RCRA and CERCLA sites, and facilities regulated by consent order. Prepared an air-quality program for a Florida municipality.

## Terra Environmental Services, Inc. – Tampa, Florida

#### Principal (1990 to 2000)

Responsibilities included regulatory compliance for industrial and municipal clients, directing contamination assessments and advising industrial facilities on hazardous waste management issues. Provided litigation support to attorneys and their clients on environmental criminal and civil cases.

## Geraghty & Miller, Inc. - Tampa, Florida

Associate (1984 to 1990) Primary responsibilities included project manage

Primary responsibilities included project management, advising on contamination





Resumé

assessments, and administering the sampling program for the Tampa office. Other duties consisted of preparing cost estimates for various projects, contracts administration, and determining personnel needs and schedules.

# PROJECT EXPERIENCE – CONTAMINATION ASSESSMENTS AND REMEDIATION

<b>Superfund Sites</b> Tampa, Florida	Managed a Superfund site, including coordinating site tasks with client, consultants and client's attorney; directing the preparation of an Ecological Risk Assessment Work Plan; and overseeing the implementation of the RDI Work Plan covering the investigation of impacted media, including soil, groundwater, surface water, and sediment, and a client with soil and groundwater treatability studies. The conceptual remedy is a barrier wall and cap system to contain impacted soil and groundwater, and natural attenuation monitoring for groundwater outside the barrier wall.
Aircraft Parts Manufacturing Facility Florida	Directed the environmental investigation of soil, surface water, sediment, and groundwater at a manufacturing facility in Sarasota, Florida. The approach to impacted groundwater has been natural attenuation monitoring.
<b>Consent Order Sites</b> Florida	Prepared Contamination Assessment Plans and implemented assessments at numerous Consent Order sites throughout Florida. The assessments included Contamination Assessment Reports, Remedial Action Plans, including natural attenuation monitoring, negotiated and approved by various regulating agencies.
Petroleum and Dry Cleaner Sites Florida	Directed and conducted contamination assessments and implemented site remedies at several petroleum facilities and dry cleaner sites throughout central Florida. Remedial actions included natural attenuation monitoring and approvals from various regulating agencies for no further action.
<b>Manufacturing</b> Facilities Florida	Directed and conducted the groundwater assessments in compliance with a RCRA Closure and Post Closure Permit for several central Florida manufacturing facilities.
Multiple Manufacturers Florida	Prepared and implemented RCRA Facility Investigation Work Plans for several sites in Florida.
Multiple Production Facilities Florida	Prepared RCRA operating, closure, and post-closure permit applications and closure plans.
Filter Manufacturer Florida	Represented an industrial manufacturing facility in Florida during the EPA's RCRA Facility Assessment of more than 20 solid waste management units. Managed the risk-based closure of a hazardous waste treatment facility and waste pile in Pasco County, Florida.
Battery Manufacturer Florida	Provided oversight for clean closure of a 600,000 gallon above-ground hazardous waste storage tank, and prepared the Closure Certification Report



	Resumé	DOUGLAS GRANT, CHMM
<b>Battery Manufacturer</b> Florida	Advised a central Florida manufacturing facility gallon hazardous waste surface impoundments	
Superfund Sites Nationwide	Performed oversight investigations of monitor-v sampling techniques by federal contractors at f the country and prepared reports critiquing the recycling, and chemical manufacturing clients.	our Superfund Sites throughout
PROJECT EXPERIE	NCE – ENVIRONMENTAL SITE	ASSESSMENTS
<b>Citrus Grove</b> Picnic, Florida	Conducted Phase I and Phase II Environmental parcel of land in southeastern Hillsborough Con approximately 1,410 acres and operated as a con- structures, surface-water impoundments, and a located throughout the property. Tasks include perimeter, historical and regulatory records rev adjoining property uses. Recognized Environment identified and assessed by sampling soil and g ESA.	unty. The property was citrus grove, with a variety of small agricultural production wells ed a site reconnaissance of the iew, and a visual assessment of nental Conditions (RECs) were
Storage Facility Clearwater, Florida	Conducted a Phase I ESA for a parcel of land v divided into five units. Three units were occupi facilities. Significant quantities of debris were p visual evidence of RECs from oil-stained soil.	ed and leased as storage
Redevelopment Project Jacksonville, Florida	Assisted with a Phase I Environmental Site Ass comprised of 11 separate parcels, which was lo in west-central Jacksonville housing industrial a open storage, or vacant land. Land usage surr predominantly light industrial/commercial and r on historical reviews, it was possible that under heating oil may remain with no visual evidence RECs were identified, including a disposal area metal cuttings mixed with the cutting oil, unlabe Historical use of the parcels suggested the pos	bocated on approximately 10 acres and office facilities, warehouses, rounding the site was esidential developments. Based rground storage tanks (USTs) for of their existence. Numerous a for spent sandblasting abrasive, elled drums, in poor condition.
<b>Refabrication Facility</b> Tampa, Florida	Managed Phase I ESA, Phase II ESA, and a con- industrial property occupied before 1956 and loc River. The Phase I ESA identified RECs and so Phase II confirmed the presence of the RECs. assessment for the property owner and information assessment was used by the property owner to	ocated along the Hillsborough ampling conducted during the Golder performed a limited site ation obtained during the
<b>Warehouse</b> Sarasota, Florida	Conducted a Phase I ESA on two adjoining par approximately two acres. The subject property foot warehouse structures surrounded by pave evidence of an area formerly used for an above former hazardous material and waste storage a	consisted of two 13,000-square- d areas. The Phase I revealed eground storage tank (AST) and a



Ŷ.	Resumé	DOUGLAS GRANT, CHMM
<b>Power Facility</b> Central Florida	Directed a Phase I ESA of a six-acre parcel de facility. The results of the Phase I ESA identifie select neighboring properties were identified as an aluminum processing and chemical facilities evaluate potential impacts from the neighboring	ed no on-site RECs; however, s potential off-site RECs, namely s. Additional assessment to
Prefabricated Building Manufacturer Sarasota, Florida	Managed and performed Phase I and Phase II occupied by a manufacturer of prefabricated by ESA revealed evidence of "Bone Yard" for stor supplies. Waste paint and other unknown cher were discovered among materials being remov RECs included a "Cleaning Area" where equips gallon capacity AST that contained diesel fuel of the tank suggesting possible releases of the fue ESA Subsurface Investigation (Investigation) a presence or absence of selected constituents a	uilding structures. The Phase I age of used equipment and mical containers in poor condition ved from the Bone Yard. Other ment was washed and a 250- where stains were identified below el. Golder conducted a Phase II t the facility to evaluate the
<b>Tree Farm</b> High Springs, Florida	Conducted a site reconnaissance for a Phase I Phase I ESA investigation did not identify any p historical RECs. However, Golder identified for consisting of old automobile tires, scrap metal, bottles, aluminum cans and various other solid	potential on-site or off-site our distinct areas of debris corroded metal containers, plastic
<b>Property Refinancing</b> Sarasota, Florida	Managed and conducted a Phase I ESA of sev approximately 7.5 acres for the land owner refi The parcels were occupied by multiple industria included impacted groundwater and sediment a land surface.	nancing a mortgage on the land. al or warehouse tenants. RECs
Redevelopment of Agricultural Land Florida	Directed two Phase I ESAs for a client evaluati parcels of approximately 3,000 acres and 5,000 central Florida. Each site visits included aerial The parcels were primarily agricultural with limit reviews included the FDEP listing of cattle dipp pesticides.	0 acres in southeast and east- reconnaissance by helicopter. ited building structures. Database

# **PROJECT EXPERIENCE – REGULATORY COMPLIANCE AUDITS**

<b>Processing Facility</b> Florida	Provided litigation support services to attorneys representing a manufacturing facility under investigation by the enforcement sections of the U.S. EPA and the Florida Department of Environmental Protection, and defending against pending lawsuits from over 1,000 plaintiffs.
Motor Repair Company Florida	Developed a regulatory compliance program for a manufacturing company with seven facilities throughout Florida.
Manufacturing/Power Facilities Florida	Conducted numerous regulatory compliance audits at facilities and helped develop regulatory compliance programs.



Х.	Resumé	DOUGLAS GRANT, CHMM
Injection-Molding Facilities Illinois	Managed a comprehensive regulatory c facilities on behalf of a plastic manufacture	
Boat Manufacturing Facility Central Florida		tory compliance with RCRA, EPCRA, and ehensive report describing the inspection
Appliance Manufacturer Illinois	Provided regulatory compliance interpre	etations and support for this manufacturer.
Electric Motor Service Center Orlando, Florida	Conducted a regulatory and environmer purchasing firm.	ntal compliance inspection on behalf of a
Mining Facility Minnesota	Conducted an environmental complianc report.	e inspection, and prepared a compliance
International Client Environmental Compliance Florida	Provided an international client and their administrative guidance regarding allege facility.	•
Orange Juice Processing Plant Florida	Assisted with compliance audits at orang	ge juice facility.
<b>Chemical Facilities</b> Florida and Texas	Directed multi-media compliance audits	of chemical storage facilities.

# **PUBLICATIONS**

**Journal Articles** 

Changes in Federal Hazardous Waste Rule Pending. *Lawyer Magazine, the Hillsborough County Bar Association*, Vo. 14, No. 8 (May 2004)

Grant, Douglas and John A. Schifino. Environmental Management Systems. *Manufacturing Hazardous Materials, Institute of Hazardous Materials Management* (2002), Chapter 32.

Environmental Indicators in the RCRA Corrective Action Program. *Manufacturers Monthly* (January 2002)

Environmental Indicators in the RCRA Corrective Action Program. *Lawyer* (December 2001)

RCRA Cleanup Reforms. *ExpertLaw.com* (October 1999)

Natural Attenuation as a Conditional Site Remedy. *The Florida Specifier* (September 1997)

Summary of the Proposed Hazardous Waste Identification Rule. The Florida



Specifier (February 1996)

Other

"Avoiding Stripes: A Consultant's Role During An Environmental Indictment," First Coast Manufacturers Association, Jacksonville, Florida, November 15, 2007.

"Unveiling the Mystery of Environmental Acronyms and Buzz Words," Environmental Law and Land Use Section of the Hillsborough County Bar Association, Tampa, Florida, October 18, 2007.

"Environmental Compliance Audits: The Good, The Bad, and The Ugly," Bay Area Manufacturers, Largo, Florida, November 9, 2006.

"Pile Work Britches and Rags: The New Contaminated Solvent Wipe Rule," Confidential Manufacturing Client, November 18, 2005 and ACHMM National Conference, Orlando, Florida, September 18, 2006.

"Groundwater Contamination Problems and Solutions," American Ground Water Trust and the U.S. Geological Survey, St. Petersburg, Florida, June 9, 2005.

"Hazardous Waste Generator Personnel Training," Confidential Manufacturing Client, April 2005.

"Hazardous Waste Generation: What Your Clients Need to Know," Hillsborough County Bar Association, Environmental Law & Land Use Section, Tampa, Florida, September 24, 2003.

"Regulatory Compliance Audits," Hillsborough County Bar Association Continuing Education Seminar, Tampa, Florida, October 2002.

"Assessing Groundwater: Contamination Site Hydrogeology," Hillsborough County Bar Association, Environmental Law & Land Use Section, Tampa, Florida, September 2002.

"Environmental Chemistry for Non-Chemists," Hillsborough County Bar Association, Environmental Law & Land Use Section, Tampa, Florida, October 2001.

"Management Strategies for Environmental Compliance," Government Institutes U.S. Environmental Laws & Regulations Compliance Course, Orlando, Florida, March 1999.

"Natural Attenuation as a RCRA Conditional Site Remedy," Florida Remediation Conference, Orlando, Florida, October 1998.

"Environmental Audits for Regulatory Compliance," Florida Environmental Expo, Chairperson, Tampa, Florida, October 1996.



"Insight Into Parameter Selection for Contamination Assessments," Hillsborough County Bar Association, Tampa, Florida, March 1994 and February 1995.

"Risk Assessments: Understanding Their Strengths and Weaknesses," Florida Bar Association Workshop, Tampa, Florida, October 1994.

"Using Risk Assessment as a Remedial Option," Environmental Resource Expo 1994, The University of Florida TREEO Center, Orlando, Florida, May 1994.

"Applications of Quality Assurance Plans," Florida Association of Water Quality Control, Naples, Florida, June 1991.

"Property Transfer Audits," Florida Bar Association Workshop, Tampa, Florida, June 1990.





# Education

MS Management, Polytechnic University, Brooklyn, NY, 2000

BS Environmental Engineering, Polytechnic University, Brooklyn, NY, 1998

#### Languages

Italian – Fluent

# Golder Associates Inc. – Tampa

#### **Project Engineer**

Mrs. Paola Pringle has over nine years of experience in the environmental field, specializing in air permitting and compliance, regulatory analysis, air quality impact analyses, and air dispersion modeling. In addition Mrs. Pringle has performed and managed numerous Phase I Environmental Site Assessments.

# **Employment History**

### Golder Associates, Inc – Tampa, Florida

Project Engineer (2006 to Present)

Responsible for coordinating environmental/engineering project tasks and schedules in order to meet project objectives under general direction of senior staff. Supports work efforts related to environmental compliance projects, proposals, and market development. Coordinates work of junior staff on individual tasks for small and medium-sized projects. Interprets data, performs analyses, draws conclusions, develops recommendations, and prepares reports. Responsible for projects concerning the Clean Air Act such as air permitting, environmental compliance, air modeling, and development of air emission inventories. Conducts and manages Phase I Environmental Site Assessments in accordance to ASTM E 1527-05 standard, and the AAI Rule, 40 CFR Part 312.

## AKRF, Inc – New York, New York

Air Quality Analyst (2000 to 2006)

Responsibilities included performing air quality analyses for state-wide projects, in accordance with New York's State Environmental Quality Review (SEQR) and City Environmental Quality Review (CEQR) guidelines, for the New York City Department of Environmental Protection (DEP), School Construction Authority (SCA), and New York State Department of Transportation (NYSDOT) for Environmental Impact Statements (EIS). Organized, planned and coordinated/delegated responsibilities to team members efficiently. Identified, calculated, and analyzed levels and sources of environmental air pollutants. Maintained information systems and prepared written reports. Created and updated spreadsheet tools used to perform mobile and stationary source analyses. Solved engineering problems, interpreted, and analyzed data. Performed field surveys to assess impacts of existing industrial facilities on potential development sites. Trained new staff with the use of a wide range of industry-standard dispersion models and graphical software.

# NYCDEP, New York City Department of Environmental Protection –

## Queens, New York

Junior Project Manager (1999 to 2000)

Responsibilities included establishing time and cost schedules, assisted in overseeing the contracting process. Performed field surveys and inspections of wastewater treatment facilities and prepared written reports. Coordinated activities between agencies and departments responsible for project completion.



# PROJECT EXPERIENCE – PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

Phase I Environmental Site Assessment Florida	Managed and conducted Phase I ESAs at two separate, primarily agricultural/dairy properties approximately 2,000 acres each, in Brevard and Indian River Counties, Florida. The Phase I ESAs were performed in accordance to ASTM Practice E 1527 05 Phase I Environmental Site Assessment Process (ASTM Standard), and the EPA Rule entitled, "Standards and Practices for All Appropriate Inquiries; Final Rule" (AAI Rule), 40 CFR Part 312. Due to the size of the parcels, site reconnaissance was conducted by air and land. The findings of the site assessments were presented in a detailed report.	
Phase I Environmental Site Assessment Kissimmee, Florida	Managed Phase I ESA at a residential property for real estate transaction. Purpose was to identify recognized environmental conditions (RECs) in connection with the subject property, pursuant to the processes prescribed in the ASTM E 1527 05 standard, and the AAI Rule, 40 CFR Part 312. The findings of the site assessment were presented in a detailed report.	
Phase I Environmental Site Assessment Lutz, Florida	Managed Phase I ESA at a residential property for real estate transaction. Purpose was to identify RECs in connection with the property. The property consisted of approximately 27 acres, of which 8 acres were occupied by a school. The Phase I ESA was performed in accordance with the processes prescribed in the ASTM E 1527 05 standard, and AAI Rule, 40 CFR Part 312. The findings of the site assessment were presented in a detailed report.	
Phase I Environmental Site Assessment Chiefland, Florida	Conducted a Phase I ESA at a substation for a real estate transaction in accordance with the provisions of the ASTM E 1527-05 standard. The findings of the site assessment were presented in a detailed report.	
Phase I Environmental Site Assessment Tampa, Florida	Conducted a Phase I ESA at a residential property in Hillsborough County for a real estate transaction in accordance with the provisions of the ASTM E 1527-05 standard. During the Phase I assessment several recognized environmental conditions of a moderate to high risk were identified. These findings were presented in a detailed report and a Phase II assessment was recommended.	
Phase I Environmental Site Assessment Poinciana, Florida	Conducted a Phase I ESA at a vacant undeveloped parcel of land in Polk County for a real estate transaction in accordance with the provisions of the ASTM E 1527-05 standard. The findings of the site assessment were presented in a detailed report.	
PROJECT EXPERIENCE – PERMITTING AND COMPLIANCE		

#### Annual Operating Reports (AORs) Florida

Prepared State of Florida Annual Operating Reports (AORs) for several power plants, manufacturing facilities, and kraft pulp and paper mills such as: Progress Energy Florida, Orlando Utilities Commission, Wolverine Advanced Materials, Hydro Aluminum of North America, Rayonier Performance Fibers, and Georgia Pacific Corporation. Created emission inventories and calculated emission estimates based on facilities' summary of daily/monthly/annual production/processing rates, fuel usage rates, operating hours, and stack test data. All reports were submitted to the agency using Florida's Department of Environmental Protection (FDEP) Electronic AOR (EAOR) program.



	Resumé	PAOLA PRINGLE
SARA Title III, Section 312, Tier II Chemical Inventory Forms Florida	Prepared SARA Title III, Section 312, Tier II Chemical Inventory Forms for several manufacturing facilities. Completed forms based on the facility's chemical inventory of extremely hazardous substances and chemicals. Forms were submitted electronically via the State Emergency Response Commission (SERC) website.	
SARA Title III, Section 313, TRI Report (Form R) Florida	Prepared SARA Title III, Section 313 Toxic Chemi for several manufacturers. Tasks included an eva conducting mass-balance calculations, and compl were submitted electronically to the agency using ME) software.	luation of material usages, eting the forms. All reports
Air Construction Permit and Air Operating Title V Permits Florida	Prepared air construction and operating Title V pe power plants, manufacturing plants, concrete batc throughout central Florida.	
Section 114, federal Clean Air Act (CAA) Plant City, Florida	Provided CF Industries, Inc. fertilizing facility with a in regard to the request for information (RFI) issue the federal Clean Air Act (CAA) from the U.S. Env (USEPA). Tasks included obtaining all the necess the RFI through discussion with plant personnel at historical/archived data, stack test reports, in-plant construction drawings, pollution control equipment other necessary information. A final submittal pack provided to the agency.	ed pursuant to Section 114 of ironmental Protection Agency ary information to respond to nd review of plant files, t purchase requisitions, t parameters and data, and
PROJECT EXPERIENCE – AIR DISPERSION MODELING		
Modeling for an Air Construction Permit Application St. Lucie, Florida	Performed air dispersion modeling analysis for the megawatt (MW) plasma arc gasification waste-to-e EPA's AERMOD model was used to determine the impacts on PSD Class I and Class II areas.	energy (WTE) power plant.
Atmospheric	Performed the Best Available Retrofit Technology	(BART) analysis in accordance

Atmospheric Dispersion Modeling (CALPUFF) West Central Florida Performed the Best Available Retrofit Technology (BART) analysis in accordance with the regional haze regulations, contained in 40 CFR 51, Subpart P – Protection of Visibility, for Progress Energy's Crystal River, Anclote and Bartow facilities in St. Petersburg, Florida. The CALPUFF, POSTUTIL, and CALPOST models were used to predict PM impacts on nearby PSD Class I areas. Particulate matter was categorized by particle size and separated into its filterable and condensable components.

**INPUFF Modeling** New York, NY Performed a detailed lab spill analysis for the proposed Columbia University expansion in Manhattanville. Columbia University is currently completing an EIS in regard to a potential campus expansion within an approximately five-block area on Manhattan's western Harlem neighborhood. The main objective of the lab spill analysis was to estimate, using the INPUFF model, the impacts the proposed labs would have on the surrounding buildings with intakes and operable windows.



	Resumé	PAOLA PRINGLE
Mobile Source Modeling New York, NY	Performed the mobile source analysis for th proposed action consists of a new full-lengt extend from 125th Street in Harlem down to PM10 analyses as part of the full range of e construction and operation of the subway.	h Second Avenue Subway that would the Battery. I conducted the CO and
Mobile Source Modeling New York, NY	Performed a CO, PM2.5 and PM10 mobile s with the completion of the EIS, as guided by Quality Review (CEQR) guidelines of New Y Lower Manhattan, following the events of 9/ undertaking included a study area that enco the island of Manhattan and the ability to co World Trade Center site with the many plan to be completed in one comprehensive over	y both NEPA and City Environmental York City, for the redevelopment of /11. This extraordinarily large ompassed the entire lower portions of pordinate the redevelopment of the and proposed projects expected
Mobile Source Modeling New York, NY	Performed the CO mobile source modeling Battery Park City by preparing CAD drawing interest for potential impact on the surround CAL3QHC models. Also examined the impa- on the surrounding area.	gs and examining the intersections of ling area by running MOBILE6 and
Stationary and Mobile Source Modeling Brooklyn, NY	Performed a CO, PM2.5 and PM10 mobile s Williamsburg Rezoning EIS. Assessed impa action and the impacts on future residents v development sites in the vicinity of elevated conducted a detailed stationary source anal HVAC systems at the projected and potentia the impacts of the parking facilities associat	acts from the proposed rezoning who would reside at proposed I high volume roadways. Also lysis to estimate the impacts of the al development sites and analyzed
Stationary Source Modeling New York, NY	Conducted the stationary source analyses of with the proposed Hudson River rezoning of main objective of the study was to estimate systems associated with project developme West 59th Street Con Edison Stack on the r developments.	of the west side of Manhattan. The the potential impacts of HVAC ents and to evaluate the impacts of the
Mobile Source Modeling Queens, NY	Performed the mobile source analysis, using proposed new stadium for the New York Me studies for an off-site roadway access impro improvements. Coded intersections to repre- vehicles, working with the AutoCAD and Mic	ets. Integral to the EIS analysis were ovement plan and transit facilities esent and assess the movement of
Mobile Source Modeling New York, NY	Conducted environmental studies for the re Avenue Bridge, which spans the Harlem Riv Bronx. Conducted mobile source analyses a bridge structure and reduce the rate of accid	ver between Manhattan and the as part of this project to improve
Stationary and Mobile Source Modeling New York, NY	Performed mobile and stationary source and screening as part of the field work for this pu preparing a GEIS for the proposed dispositi commercial redevelopment of four city block by Con Edison facilities.	roject. The project consisted of on and subsequent residential and



	Resumé	PAOLA PRINGLE
Mobile Source Modeling New York, NY	Performed a PM2.5 and PM10 analysis for the Toll I sponsored by the Tri Borough Bridge and Tunnel Au objective of the study was to determine whether a cl facilities could have any significant adverse impacts including traffic operations and air quality.	uthority (TBTA). Main hange in tolls at certain
Mobile Source Modeling Brooklyn, NY	Performed a CO and PM10 mobile analyses that inc study. This analysis examined the indirect effects th emis-sions from motor vehicles traveling to and from development and the associated waterfront esplana	at may be caused by n a proposed IKEA
Stationary and Mobile Source Modeling Queens, NY	Conducted a mobile and stationary source analysis for the environmental impact statement (EIS) for the project. The project's goal was to spur creation of N Business District in the westernmost portion of Quee commercial and residential development. Rezoning	e Long Island City rezoning ew York City's fourth Central ens by stimulating new

# **TRAINING**

**OSHA 10-hr** 12/14/2006

**CPR/Firs Aid** 10/28/2009

# SUPPLEMENTAL SKILLS

#### Air Quality Models

ROADMAP, CAL3QHC, CAL3QHCR, AERMOD, ISC-PRIME, ISCST3, BPIP, CALPUFF, SCREEN3, INPUFF, MOBILE6.2, FDEP's EAOR, EPA's TRI-ME, and EPA TANKS 4.0 programs.

#### **Computer graphics**

MicroStation and AutoCAD.

#### Software Applications

Excel, PowerPoint, and Word.

# **PROFESSIONAL AFFILIATIONS**

Air & Waste Management Association





# Education

BS Geology, University of South Florida, Tampa, Florida, 2000

# Certifications

Professional Geologist, State of Florida No. PG2400

Professional Geologist, State of Texas No. 10079

# Golder Associates Inc. – Tampa

# **Employment History**

#### **Golder Associates Inc. – Tampa, Florida** Project Geologist (2007 to Present)

Responsible for coordinating and managing hydrogeologic project tasks and schedules in order to meet project objectives under general direction of senior staff. Support work efforts related to environmental compliance projects, proposals, and market development. Coordinate work of junior staff on individual tasks for small and medium- sized projects. Interpret data, perform analyses, draw conclusions, develop recommendations and prepare reports. Conduct site assessments under Chapters 62-770 and 62-780 Florida Administrative Code (FAC). Filled role of office health and safety coordinator (HSC) from November 2007 through February 2009.

# Terra Environmental Services, Inc. – Tampa, Florida

Senior Project Scientist (2000 to 2007)

As part of project management, procured and supervised contractors (drilling, construction, electrical, laboratory, etc.). Prepared/conducted proposals, stoichiometrics, and cost estimates/analyses. Industrial process water pondbottom liner seepage and transit time calculations. Collection of rock samples with hand operated core drill for geotechnical & petrographic analysis. Supervised rotary sonic drilling while logging continuous cores. Constructed geologic cross-sections. Did specifying, troubleshooting, repair, and overhaul of electrical, mechanical, hydraulic, pneumatic, and vacuum components. Planned contamination assessments and remedies for phosphate, petrochemical, and metals manufacturing industries (U.S. EPA Superfund and RCRA sites). Reported preparation relative to Chapters 62-761, 62-770, 62-777, and 62-780 FAC. Did GIS mapping and analysis (ArcView/Map - ESRI, Surfer), developed and implemented algorithms for programmable logic controllers (PLCs: Allen-Bradley/Rockwell Software), computer spreadsheets, and computer assisted drafting/design (AutoCAD). Collected and interpreted water samples and waterlevel data. Maintained and cleaned pumps, filters, valves, seals, and air stripper. Performed groundwater sampling, soil sampling, and excavation at industrial facilities.

#### State of Florida - University of South Florida – Tampa, Florida Computer Lab Assistant (1999 to 2000)

Assisted resident students with document processing, internet navigation, MS Office programs, and other PC applications. Troubleshoot PCs, printers, and network connections.

# Poinciana High School – Kissimmee, Florida

Mathematics Instructor (1999 to 1999)

Instructed Pre-Algebra and Algebra I/Honors as a full-time substitute teacher (replacing the original instructor who became ill during the fall semester).





# **PROJECT EXPERIENCE – SITE ASSESSMENT AND REMEDIATION**

Site Assessments and Remediation Mulberry, Florida	<ul> <li>Conducted site assessments under Ch. 62-770 FAC of soil and/or groundwater contaminated with petroleum hydrocarbons at phosphate refineries as more specifically describe below:</li> <li>Release of highway grade diesel resulting in excavation of contaminated soil. Analyses results for groundwater samples collected lead to assessment of chlorinated solvent impacted groundwater mentioned above.</li> <li>Release of dust controlling coating oil from aboveground storage tank. Collected soil, groundwater, and surface water samples. Received site rehabilitation completion order (SRCO) from Florida Department of Environmental Protection (FDEP).</li> <li>Release of No. 2 fuel oil associated with sulfuric acid production plant boiler. Recovered free product and groundwater with trailer mounted vacuum extraction system, then conducted post-active remediation monitoring (PARM) until SRCO issued by FDEP.</li> <li>Release of No. 2 Diesel fuel from 43,000 gallon AST. Conducted site assessment, excavated affected soil, planned remediation, and implemented remediation of impacted groundwater by injecting oxidizer. Remediation is ongoing.</li> <li>Conduct site assessment of oil seeping up through floor of locomotive engine maintenance shop and plan and implement free product recovery. Free product recovery is ongoing.</li> <li>Release of oil from locomotive. Site assessment resulted in excavation of affected soil. FDEP issued SRCO.</li> <li>Release of oil from railroad tank car. Site assessment resulted in excavation of affected soil. FDEP issued SRCO.</li> <li>Release of diesel fuel from hydraulic rail car spotter. FDEP issued SRCO.</li> </ul>
Site Assessment Mulberry, Florida	Conducted a site assessment under Ch. 62-780 FAC of soil and groundwater contaminated with chlorinated solvents at a phosphate refinery's automotive and locomotive maintenance shop areas. Procured drilling contractors and supervised over 50 monitor wells installed into four aquifers by the rotary sonic method, collected ground-water samples, interpreted data, assisted in report preparation, and constructed geologic (hydrostratigraphic) cross-sections.
<b>Site Assessment</b> Pasadena, Texas	Conducted a site assessment at a fertilizer manufacturing facility under the Texas Affected Property Assessment Guidelines. Supervised installation of and sampled over 20 monitor wells.
Site Assessment Depue, Illinois	Conducted a site assessment at Superfund Site where water associated with a phosphogypsum stack was seeping to a stream. Assisted in remedy planning. Monitoring of site is ongoing and stream surface water quality indicates remedy is effective.



YA.	Resumé	GREGORY A. O'NEAL II, PG
Groundwater Recovery and Treatment Osprey, Florida	Oversaw operation and maintenance of 200 grecovery and treatment system for removal or groundwater. Work included NPDES reporting cleaning of pumps, filters, valves, seals and a implementing algorithms for programmable for troubleshooting, repair, and overhauls of elect ground), mechanical, hydraulic, and vacuum and interpretation of water samples and water PARM.	of chlorinated halogens from ng and permitting; maintenance and air stripper; developing and ogic controllers; extensive ctrical (480 Volts, 3 Phase-phased to components. Also did collection
<b>Site Assessment</b> Fort Green, Polk County, Florida	Performed geotechnical investigation for railr drilling; did logging and mapping of soil samp	
<b>Site Assessment</b> St. Petersburg, Florida	Conducted a site assessment and prepared a 780 FAC of soil and groundwater impacted b electrical circuits and terminals manufacturing contractors and supervised installation of mo aquifers by the rotary sonic method; collected interpreted data; prepared report; and did gro	y chlorinated solvents at an g facility. Procured drilling nitor wells installed into three d soil and groundwater samples;
Phase II Environmental site Assessment Opa-Locka, Florida	Prepared a Phase II environmental site assest container storage yard. Coordinated with field sampling of monitor wells installed onsite.	
Site Assessment and Remediation Tampa, Florida	Conducted site assessment under Ch. 62-77 impacted by petroleum hydrocarbons at a for in the state lead petroleum cleanup pre-appro	rmer retail motor fuel service station
Site Assessment and Remediation Dade City, Florida	Conducted site assessment under Ch. 62-77 impacted by petroleum hydrocarbons at a for in the state lead petroleum cleanup pre-appro	rmer retail motor fuel service station
Phase I Environmental Site Assessment Brooksville, Florida	Conducted field reconnaissance and interview history for a Phase I environmental site asses generation facility located in a limestone quar manufacturing facility.	ssment of an active coal-fired power
Phase I Environmental Site Assessment Brooksville, Florida	Conducted field reconnaissance and intervier history for a Phase I environmental site asser used as a mine tailings settling.	
Phase I Environmental Site Assessment Indian River County, Florida	Conducted field reconnaissance from air via environmental site assessment of an approxi done for a power generation client for the put	imately 2,000-acre orange grove;
Phase I Environmental Site Assessment Brevard County, Florida	Conducted field reconnaissance from air via environmental site assessment of an approxi livestock grazing pasture; done for a power g siting a future power plant.	imately 3,100-acre orange grove and





Resumé

Phase I Environmental Site Assessment Plant City, Florida Conducted field reconnaissance for a Phase I environmental site assessment at a former retail automotive fuel and service station for real estate transaction purposes. Coordinated and directed groundwater sampling of monitor wells discovered onsite.

# **PROJECT EXPERIENCE – WATER RESOURCES**

Tampa Bay Water Hillsborough County, Florida Excavated by hand a series of test pits in the regional reservoir dike.

Brandon Urban Dispersed Wells Project Brandon, Florida Did data collection of manual and digital aquifer water level during pumping tests. Collected and field analyzed water samples, did logging of drill cuttings, split spoon and geoprobe samples. Supervised water table and Floridan Aquifer monitor well installations.

Tampa Bay Water Mitigation Program Hillsborough County, Florida

Wastewater Pre-Injection Treatment Facility Pasadena, Texas Performed siting of replacement domestic water wells.

Did drilling, installing and developing a 550-foot industrial water supply well as field geologist.

# TRAINING

OSHA 40-Hour Certified for Health and Safety for Hazardous Waste Site Activities

Florida Phosphate Council Contractor Safety and Health Program

**OSHA Hazwopper Supervisor 8-Hour** 

CPR



APPENDIX G

DESCRIPTION OF THE SUBJECT PROPERTY'S SOIL CHARACTERISTICS

## DESCRIPTION OF THE SUBJECT PROPERTY'S SOIL CHARACTERISTICS

#### Florida Biomass Energy, LLC 11805 North US Highway 41, Palmetto FL

#### December 2010

Project No. 093-89603

According to the USDA Soil Survey publication for Manatee County, the Subject Property soil classification is Bradenton fine sand, Chobee loamy fine sand, EauGallie fine sand, Floridiana fine sand, Wabasso fine sand, Delray mucky loamy fine sand, and Wulfert-Kesson association. A description of the characteristics of each soil type is detailed below.

**Bradenton fine sand** - This is a poorly drained soil on low-lying ridges and hammocks. Slopes are smooth and range from 0 to 2 percent. Typically, the surface layer is dark gray fine sand about 4 inches thick. The subsurface layer is grayish brown fine sand 5 inches thick. The subsoil is dark gray and gray fine sandy loam about 18 inches thick. Below the subsoil there is a layer of gray loamy fine sand 11 inches thick, and below that, there is light gray marl to a depth of 80 inches or more medium in the subsoil. In many areas this soil is used for citrus and for urban development. In some areas the soil is in vegetables, and in some areas it is in improved pasture. The native vegetation consists of slash pine, laurel and live oak, cabbage palm, waxmyrtle, magnolia, bluestem, sawpalmetto, and various vines.

**Chobee loamy fine sand** - This is a nearly level, very poorly drained soil that is in small to large depressions, poorly defined drainageways, and on broad, low flats. Slopes are smooth to concave and range from 0 to 2 percent. Typically, the surface layer is black loamy fine sand about 8 inches thick. The subsoil is sandy clay loam 43 inches thick. In the upper part it is very dark gray to a depth of 44 inches, and below that, it is dark gray. The substratum to a depth of 80 inches or more is calcareous gray loamy fine sand and fine sand. Included with this soil in mapping are small areas of Floridana, Gator, Delray, Manatee, and Felda soils. Also included are small areas of soils that are similar to the Chobee soils. In some areas this soil is in improved pasture, vegetables, and citrus. The natural vegetation in swampy areas consists of red maple, water oak, and cabbage palm and an understory of ferns and water tolerant grasses. In areas of open marshes and depressions it consists of maidencane, pickerelweed, smartweed, and patches of sawgrass.

**EauGallie fine sand** - This is a nearly level, poorly drained soil in broad areas of flatwoods. Slopes are smooth and range from 0 to 2 percent. Typically, the surface layer is very dark gray fine sand 5 inches thick. The subsurface layer is grayish brown and light brownish gray fine sand to a depth of about 28 inches. The subsoil in the upper part is black fine sand that is coated with organic matter to a depth of 42 inches. In the lower part it is grayish brown sandy clay loam to a depth of 50 inches. The substratum is grayish brown fine sand, loamy fine sand, and fine sandy loam to a depth of 65 inches. Included with this soil in mapping are small areas of Delray, Pinellas, and Wabasso soils. Also included are soils that are similar to the EauGallie soils except that they are yellowish or brownish in the subsurface layer and are in



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scattered wet depressions. The natural vegetation is slash pine, sawpalmetto, waxmyrtle, gallberry, and pineland threeawn in open forest and bluestem, panicum, and other grasses.

*Floridana fine sand* - This is a nearly level, very poorly drained soil in low flats that have been drained by ditches and channels in many places. Slopes are smooth to concave and are less than 2 percent. Typically, the surface layer is about 15 inches thick. In the upper part it is black fine sand 4 inches thick, and in the lower part it is very dark gray fine sand 11 inches thick. The subsurface layer is gray fine sand 11 inches thick. The subsurface layer is gray fine sand 17 inches thick. The subsoil is dark gray sandy clay loam to a depth of 44 inches and gray sandy loam to a depth of 65 inches. The substratum is light gray fine sand to a depth of 80 inches or more. Included with this soil in mapping are areas of Delray and Felda soils and a few areas of organic soils. The natural vegetation consists of cattails and dense stands of maidencane and sawgrass. Most areas are used for vegetables. Many areas are in improved pasture. This soil is too wet for cultivated crops.

*Wabasso fine sand* - This is a nearly level, poorly drained soil in areas of broad flatwoods. Slopes are less than 2 percent. Typically, the surface layer is very dark gray fine sand about 7 inches thick. The subsurface layer is gray fine sand 14 inches thick. The subsoil is fine sand coated with organic material to a depth of about 28 inches. In the upper 4 inches it is black, and in the lower 3 inches it is dark reddish brown. The next layer, to a depth of 37 inches, is brown fine sand. Below that, to a depth of 65 inches, there is grayish brown to gray loamy material. The substratum to a depth of 80 inches or more is sand and many shell fragments. Included with this soil in mapping are small areas of EauGallie and Felda soils. The included soils make up about 5 percent of this unit. The natural fertility is low. The native vegetation consists of longleaf and slash pines, scattered cabbage palms, and an understory of sawpalmetto, inkberry, waxmyrtle, creeping bluestem, indiangrass, little bluestem, Florida paspalum, pineland threeawn, panicums, deertongue, grassleaf goldaster, huckleberry, and running oak. Most areas are in native vegetation and are grazed. Areas with adequate water control are used for citrus, truck crops, and improved pasture.

**Delray mucky loamy fine sand** - This is a very poorly drained, nearly level soil in shallow depressions in flatwoods. Individual areas are irregularly shaped. Slopes are 0 to 2 percent. Typically, the surface layer is black. In the upper part it is mucky loamy fine sand 8 inches thick. In the lower part it is loamy fine sand 8 inches thick. A thin layer of muck and litter on the surface is common. Thesubsurface layer is fine sand. The upper 5 inches is grayish brown, the next 22 inches is light brownish gray, and the lower 5 inches is grayish brown. The subsoil in the upper 3 inches is grayish brown fine sandy loam. In the next 15 inches it is grayish brown sandy clay loam. In the next 9 inches it is gray sandy clay loam. Below that, to a depth of 80 inches or more it is grayish brown sandy clay loam. Included with this soil in



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mapping are small areas of Felda, Floridana, Manatee, and Chobee soils. The natural vegetation in some places is maidencane and sawgrass in dense stands. In other places it is bay, sweetgum, and maple.

*Wulfert-Kesson association* - This soil consist of nearly level, very poorly drained Wulfert and Kesson soils. It is about 45 percent Wulfert soils, 35 percent Kesson soils, and 20 percent other soils. These soils occur in a regular and repeating pattern in mangrove swamps along the Gulf Coast and on coastal islands. Generally, Kesson soils are in the outer parts of areas of this complex near the water's edge, and Wulfert soils are in the inner parts. Areas of the individual soils are large enough to map separately, but in considering the present and predicted use they are mapped as one unit. Slopes are less than 1 percent. The composition of this map unit is more variable than that of most other map units in the county; nevertheless, valid interpretations for the expected uses of the soils can still be made. Typically, the surface layer of Wulfert soils is dark reddish brown and dark brown muck that extends to a depth of about 36 inches. Below that, there is gray fine sand to a depth of 60 inches or more. Typically, the surface layer of Kesson soils is black fine sand 6 inches thick. Below the surface layer there is pale brown, light gray and white fine sand to a depth of 80 inches or more. Shell fragments are few to common in these layers. The natural vegetation consists mostly of mangrove, but in some places it also consists of seashore saltgrass, batis, and oxeye daisy. Some places are bare.

