

**ENVIRONMENTAL SITE ASSESSMENT  
FOR "SIX PARCELS AT  
9<sup>TH</sup> AVENUE WEST AND  
10<sup>TH</sup> AVENUE WEST,  
PALMETTO,  
MANATEE COUNTY, FLORIDA"**



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**Ardaman & Associates, Inc.**

Geotechnical, Environmental and  
Materials Consultants

June 13, 2018  
File No. 18-8252

**TO:** City of Palmetto Purchasing Dept.  
601 17<sup>th</sup> Street West  
Palmetto, FL 34221

Attention: Allen Tusing, Director of Public Works

**SUBJECT:** Environmental Site Assessment for Six Parcels at 9<sup>th</sup> Avenue West and  
10<sup>th</sup> Avenue West, Palmetto, Manatee County, Florida

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Ladies and Gentlemen:

As requested, our firm has completed a Phase I Environmental Site Assessment (ESA) at the above-referenced property. This report will present the results of our historical data review and field exploration, as well as our environmental conclusions and recommendations.

This ESA report was prepared for the exclusive use of the City of Palmetto and their consultants, for use in the assessment and evaluation of the environmental condition of the subject property, in accordance with generally accepted practices. No other warranty, expressed or implied, is made.

It is a pleasure being of assistance to you. Please contact our office when we may be of further service to you, or should you have any questions concerning this report.

Very truly yours,

**ARDAMAN & ASSOCIATES, INC.**  
*Certificate of Authorization No. 5950*

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ABH/JHK:ly



**ENVIRONMENTAL SITE ASSESSMENT FOR**  
"Six Parcels at 9<sup>th</sup> Avenue West and  
10<sup>th</sup> Avenue West,  
Palmetto, Manatee County, Florida

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## **1.0 SUMMARY**

Ardaman & Associates, Inc. has prepared this Phase I Environmental Site Assessment on the subject property, identified as **Six Parcels at 9<sup>th</sup> Avenue West and 10<sup>th</sup> Avenue West**, to determine if there is sufficient reason to suspect that significant quantities of toxic or hazardous materials and/or wastes have affected the environmental condition of the soil or groundwater at the site.

This report was prepared for the City of Palmetto. Ardaman & Associates, Inc. has performed this Environmental Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from this practice are presented in Section 11 of this report. The limitations of the Phase I Assessment process are presented in Section 2.4. Resumes of key personnel conducting this assessment are presented in Appendix 16.8. Ashby Hoover, Jr., P.E. is a qualified environmental professional and a Licensed Engineer in the State of Florida with 27 years of experience in environmental issues.

The subject property is located at 9<sup>th</sup> Avenue West and 10<sup>th</sup> Avenue West, just north of 7<sup>th</sup> Street West, Palmetto, Florida. The general physical setting of the property is commercial and recreational. The property consists of six parcels encompassing approximately 8.47 acres.

The site visit was performed by Ashby Hoover, Jr., Project Engineer, on June 7, 2018. The property is mostly vacant at this time but includes two structures utilized by the City of Palmetto for storage purposes. The past uses of the property were as a school site, retail businesses and residential dwellings. Based on historical documents, the property was already developed with residences and a high school as early as 1917. The current uses of adjoining properties include offices, restaurants and retail establishments to the east, residences and a park to the south, offices and retail to the west across 10<sup>th</sup> Avenue West and a vacant former railroad right of way to the north. The past uses of adjoining properties were similar with initial development including residences to the east, south and west prior to existing uses. The property to the north included railway freight and passenger stations, offices, storage facilities and a packing house.

The regulatory review revealed that an underground storage tank was registered for storage of heating oil associated with the former school facilities. The tank was registered but removed prior to regulatory oversight. Additionally, a number of regulated and/or contaminated facilities were identified in the area.



## **Conclusions**

Based on the information gathered, potential exists for negative environmental impacts on-site due to:

- An underground storage tank was historically utilized on-site for heating oil purposes.
- A machine shop and a small engine repair facility were operated in the storefront structure at the northwest corner of the property. Prior assessment in this area has identified a limited area of impacted soils.
- A dry-cleaning facility operated to the east of the northeast corner of the site. While contamination at that facility has not been identified, potential exists for impact to the subject property if inappropriate disposal practices occurred.
- An auto repair facility historically operated to the east of the northeast corner of the site. Likewise, if inappropriate discharges occurred at that facility, potential exists for negative environmental impact to the subject property.

This assessment has revealed evidence of Recognized Environmental Conditions, as discussed above, in connection with the subject site.

## **Recommendations**

Ardaman & Associates, Inc. recommends further investigation of the environmental condition of the subject property.



## **2.0 INTRODUCTION**

### **2.1 Purpose**

The City of Palmetto proposes to purchase the subject property. Therefore, Ardaman & Associates, Inc. has prepared this Environmental Site Assessment on the subject property identified as **Six Parcels at 9<sup>th</sup> Avenue West and 10<sup>th</sup> Avenue West**, to determine if there is sufficient reason to suspect that significant quantities of toxic or hazardous materials and/or wastes have affected the environmental condition of the soil or groundwater at the site.

Specifically, the intent of the Phase I is to identify Recognized Environmental Conditions (REC), Controlled Recognized Conditions (CREC), Historical Recognized Environmental Conditions (HREC) or Business Environmental Risks (BER) associated with the property. Recognized environmental conditions include the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) or under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

The limitations of the Phase I Assessment process are presented in Section 2.4. Resumes of key personnel conducting this assessment are presented in Appendix 16.8. Mr. Hoover is a qualified environmental professional and a registered engineer in the state of Florida with 27 years of experience in environmental issues.

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

The scope of our services has included the following items:

1. Review of geologic and hydrologic data pertaining to the site.
2. Conducting interviews with relevant and knowledgeable persons concerning the site.
3. Review of aerial photographs and property history to determine the uses of the site prior to its existing state of development.
4. Contact of county, regional, state, and federal enforcement and regulatory agencies to identify registered hazardous materials generators, storage facilities, complaints or enforcement actions within a ½-mile radius.



5. Examination, including a site reconnaissance on June 7, 2018, and photo documentation of the property for evidence of toxic or hazardous materials, use, disposal, spills, or storage on-site and adjacent to the site.
6. Drive-by of the area within a 1/2-mile radius of the site to identify any potential sources of contamination.
7. Preparation of this report to document the results of our data gathering and analyses, and to present our environmental conclusions and recommendations.

Potential issues beyond the scope of this study include: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands (with the exception of the presence of hazardous or toxic materials in those areas), regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, vapor intrusion and high voltage power lines. Should you be interested in addressing one or more of these issues, Ardaman & Associates, Inc. would be pleased to provide you with a proposal for the necessary studies.

### **2.3 Significant Assumptions**

It is assumed that all answers to questions in interviews and questionnaires were provided in good faith and to the extent of his or her knowledge.

The estimated groundwater flow direction is based on the assumption that the groundwater flows in the same direction as the surface topography as determined from the U.S.G.S. topographic map. This is not always the case as drainage features and subsurface conditions can greatly alter the groundwater flow direction.

### **2.4 Limitations and Exceptions**

This Phase I Environmental Assessment presents the results of Ardaman & Associates, Inc's, initial review of the documents and information provided, and is intended only for use by the above-mentioned client. It was prepared in accordance with an agreement between the client and Ardaman & Associates, Inc. for consulting services. Should additional documents and information become available, it may be necessary for re-evaluation of our conclusions. The conclusions of this report are based on available data.



The records reviewed for this investigation are limited to those that are Reasonably Ascertainable and are Practically Reviewable as defined by the ASTM Standard Practice E1527-13. Regulatory agency records may contain inaccuracies or may be mis-filed. We have attempted to ascertain all pertinent records regarding the subject property, however, pertinent records may exist that were not able to be reviewed.

Our conclusions regarding the site are based on observations of existing conditions, our interpretation of site history, current available data and site usage. The assessment of a property may require the review of publicly available documents prepared by a third party. Ardaman & Associates, Inc. makes no warranty as to the accuracy of these documents. No borings, soil or groundwater sampling or chemical testing was conducted specifically for this Phase I Environmental Assessment. Therefore, conclusions regarding the conditions of the site do not represent a warranty that all areas within the site area are of the same quality as may be inferred from observable site conditions and readily-available site history.

This Phase I Assessment is not designed to provide information concerning improvements to the property in particular, the contents or construction materials of buildings and support facilities. Conclusions drawn from the results of this assessment should recognize the limitations of the methods utilized.

This report is not intended to be taken, in any manner, to include any critique or evaluation of the present land use activities or the structural, mechanical or electrical systems which may be incorporated into the project. It is not intended to be an opinion with respect to any legal relationship or responsibilities as between the architect, the engineers, the contractor, potential purchaser or the owner of the project. While we have reviewed some documents, any statement which we make related thereto is based on our experience as engineers and is not intended to be deemed a legal opinion or conclusion. In making this review and subsequent on-site inspections, Ardaman & Associates, Inc., does not assume any of the legal responsibilities of the design architects and engineers, or contractors for this project, nor is any other warranty or representation either expressed or implied, included or intended.



As this review is general in nature and intended to give an overall opinion, any hazardous waste statements made, likewise, provide an opinion only of the probable hazards which could be anticipated at the site based on our reconnaissance.

It is important to realize that a finding of "No Recognized Environmental Conditions" or an opinion that no further inquiry is recommended is not a guarantee that contamination is not present anywhere on the property. Even an exhaustive study may fail to detect the presence of contamination if no observable or readily ascertainable evidence is present indicating the presence of the problem. This investigation was intended to meet or exceed good commercial and customary practice as it existed in this locale at the time this investigation was performed.

It should be noted that this Phase I ESA (related to "All Appropriate Inquiry") is not all that is needed in order to limit cleanup liability or response costs under CERCLA. There are other requirements both prior to and after purchase of the property. Please consult an environmental attorney if limiting CERCLA liability is a concern.

## **2.5 Special Terms and Conditions**

A copy of the proposal for services including contractual conditions and limitations between the City of Palmetto (the User of this report) and Ardaman & Associates, Inc. is included in Appendix 16.7.

## **2.6 User Reliance**

This report presents the results of Ardaman & Associates, Inc.'s assessment as described herein, and is intended only for use by the City of Palmetto and their consultants for the purpose of evaluating the property relative to real estate transactions related to the property. Other parties may not rely on this report without the express written permission of Ardaman & Associates, Inc. The users of this report are bound by the limitations and conditions as described in Section 2 and Appendix 16.7.





### **3.0 SITE DESCRIPTION**

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

As shown in Figure 1, Appendix 16.1, the subject property is located adjacent to 9<sup>th</sup> and 10<sup>th</sup> Avenues West, north of 7<sup>th</sup> Street West, Palmetto, Florida. The subject of this Phase I Investigation includes 6 contiguous parcels, Manatee County folio numbers 2699200008, 26993000055, 2700200054, 2698200009, 2698210008 and 2705200109. The property appraiser identifies the addresses as 1540 10<sup>th</sup> Street West, 814 and 818 10<sup>th</sup> Avenue West and 801, 821 and 835 9<sup>th</sup> Avenue West, Palmetto Florida. It appears that the 10<sup>th</sup> Street West address is inaccurate and associated with another parcel several hundred feet to the northwest. The property is in the southwest one-quarter (SW 1/4) of Section 14, Township 34 South, Range 17 East, Manatee County, Florida. The site is superimposed on the 1964 Palmetto, Florida U.S.G.S. quadrangle map (photo-revised 1987) in Figure 2, Appendix 16.1. Site elevation is approximately 10 to 15 feet above the National Geodetic Vertical Datum of 1929.

The subject property is bounded by undeveloped land, railway property and access roads to the north, by 8<sup>th</sup> Avenue Drive then commercial retail, offices and restaurants to the east, by 7<sup>th</sup> Street West with residential properties and a city park across the roadway to the south and by 10<sup>th</sup> Avenue West, offices and a day care facility to the west.

A site sketch/aerial of the property is included as Figure 3, Appendix 16.2. It should be noted that no property boundary survey was provided to Ardaman & Associates, therefore property boundaries were approximated in the field utilizing Manatee County Plat Maps, aerial photographs and landmarks in the field. The subject property consists of six parcels encompassing approximately 8.47 acres.

#### **3.2 Site and Vicinity General Characteristics**

The subject property is now mostly vacant land, but the City of Palmetto utilizes two on-site structures for storage purposes. Vehicular reconnaissance of the area within a 1/2-mile radius of the site revealed commercial ventures to the east and west, residences and a park to the south and vacant railroad properties and Right of Way to the north. Surrounding properties are primarily commercial with intermittent residential development.



A few businesses in the vicinity are suspected to be generators of hazardous waste. Most are associated with vehicle maintenance operations. No large quantity generators of waste were suspected in close proximity to the site. Furthermore, no inappropriate disposal practices were observed in the immediate vicinity which would suggest negative environmental impact to the subject property.

As found during the area reconnaissance, there were no obvious sources of contamination identified as having a high potential to harm the environmental condition of the subject site.

### **3.3 Current Use of the Property**

The subject property is currently mostly vacant with two on-site structures utilized for storage purposes. The third structure is an open metal pavilion. The structures do not appear to have current climate control.

### **3.4 Description of Improvements on the Site**

The current improvements on the subject property include two enclosed structures at the northwest corner of the property at 818 10th Avenue West. The original building at this location was reportedly constructed in 1953 and a metal addition was added to the east side of the structure reportedly in 1979. Additionally, a pre-engineered metal warehouse structure is located farther east across a concrete paved driveway. The original structure included four storefronts with addresses over the years of 816, 818, 820 and 822. According to the property appraiser record, the two structures include 8,500 ft.<sup>2</sup> under roof. There is currently no heating or cooling for this structure. However, vents and ductwork remain as remnants of historical climate control.

The second structure is an open metal pavilion historically utilized for playground purposes for the former school on-site. Municipal potable water and sewer services are provided in the area. Numerous storm water intakes, open ditches and swales and concrete culverts were identified throughout the site for stormwater drainage.



### **3.5 Current Uses of Adjoining Properties**

The uses of the adjoining properties are indicated on the site sketch/aerial, as shown in Figure 3 in Appendix 16.2. The subject property is bounded by undeveloped land, railway property and access roads to the north, by 8<sup>th</sup> Avenue Drive then commercial retail, offices and restaurants to the east, by 7<sup>th</sup> Street West with residential properties and a park across the roadway to the south and by 10<sup>th</sup> Avenue West with offices and a day care facility to the west.



#### **4.0 USER PROVIDED INFORMATION**

##### **4.1 Title Records**

The City of Palmetto did not provide Ardaman & Associates, Inc. with an Environmental chain of title. It has been our experience that a chain-of-title search rarely reveals information regarding the environmental condition of a property that can not be obtained from other sources.

Copies of printouts from the Manatee County Property Appraiser Internet site ([www.sc-pa.com](http://www.sc-pa.com)) are included in Appendix 16.4. The property appraiser identifies the current owner of the six parcels as the School Board of Manatee County. There is no recorded transaction date for the largest of the six parcels. The school board purchased the five smaller parcels in 2009.

According to the Property Appraiser Records, the concrete block structure at 818 10th Avenue was built in 1953 and is 2,960 ft.<sup>2</sup>. The metal addition on the east side of the structure is 2,020 ft.<sup>2</sup>. The standalone warehouse building is 3,080 ft.<sup>2</sup>.

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

As indicated in the Environmental Site Assessment User Information Questionnaire included in Appendix 16.7, Mr. Tusing representing the City of Palmetto, was not aware of any environmental liens or Activity and Use Limitations (AUL) regarding the subject property such as Institutional Controls (IC), Engineering Controls (EC) or land use restrictions that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law regarding the subject property. In order to claim All Appropriate Inquiry (AAI), the user of this report is required to investigate liens or activity and use limitations.

##### **4.3 Specialized Knowledge**

Mr. Tusing indicated that he did not have any specialized knowledge regarding the subject property.

##### **4.4 Valuation Reduction for Environmental Issues**

Mr. Tusing was not aware of the purchase price of the subject property being significantly lower than comparable properties in the area due to environmental issues.



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

The current owner of the six parcels is the School Board of Manatee County. No contact names, numbers or additional information are given.

#### **4.6 Purpose of Phase I Assessment**

Mr. Tusing states that the reason for performing this investigation is: "Contract to purchase." It is assumed that the purpose is to meet the requirements of All Appropriate Inquiry (AAI) as detailed in ASTM E 1527-13.

#### **4.7 Other**

The current owner has provided authorization to share the following information concerning prior reports prepared by Ardaman & Associates regarding portions of the subject property. A Phase I Environmental Site Assessment (ESA) was prepared for The School Board of Manatee County, File No. 09-8648 dated June 8, 2009. The report was specific to the four northwestern lots of the six lots associated with this 2018 assessment. The conclusions and recommendations of that report are as follows:

**"Conclusions:**

**Based on the information gathered for purposes of this Phase I Environmental Site Assessment, the potential is low for the subject property to have significant quantities of hazardous substance or wastes present due to:**

- **No prior detrimental use of the subject property was identified. It does appear that a small portion of the site was historically utilized for small engine repair (mower and outboard motor). Therefore, waste maintenance fluids may have been inappropriately disposed. No major disposal activities, however, are suspected. While soils analysis revealed slight exceedances for Benzo(a) Pyrene, groundwater analysis did not reveal any significant impacts.**
- **Neither the subject property nor nearby facilities were identified as regulated or contaminated sites such that negative environmental impact to the subject property is anticipated.**
- **Observations made during site reconnaissance did not reveal evidence or typical indicators of prior contamination of the site.**



**This assessment has revealed no evidence of recognized environmental conditions, as discussed above, in connection with the subject site, except for the following.**

- **Soil sampling and analysis conducted in the immediate vicinity of the former on-site small engine repair location revealed slight exceedances of the SCTL's for both Benzo (a) Pyrene, Benzo (a) Pyrene Equivalents and Arsenic. No impact to groundwater was identified in the vicinity and it is assumed that the area is localized and surficial in nature.**

**Recommendations:**

**Ardaman & Associates, Inc. recommends conducting additional soil sampling and analysis in the immediate vicinity of Soil Sample SS-2 and SS-7 to identify the extent of surficial contamination and appropriate removal and off-site disposal of all identified soil impacts. It is also our understanding that the site will be developed for educational facilities and therefore, on-site structures may require demolition or removal. An asbestos survey will be required prior to demolition of the existing structures."**



## **5.0 RECORDS REVIEW**

### **5.1 Standard Environmental Record Sources**

Ardaman & Associates, Inc. commissioned the search of state and federal regulatory records by Environmental Data Resources, Inc. (EDR). Agency records were reviewed to determine whether any hazardous waste generators, contaminated sites or storage tanks, spills, violations, complaints or enforcement actions were present or had occurred within the designated radius of the subject property. A detailed description of reviewed databases is included in the EDR Radius Map Report included in Appendix 16.5.

In general, a facility that is greater than 1,000 feet from the subject property, those in a down-gradient direction and/or those that do not have confirmed contamination problems, will not likely impact the subject site. Specific listings of sites that have the potential to adversely impact the subject property are discussed below. It is the opinion of Ardaman & Associates, Inc. that any site identified in our search as listed in Appendix 16.5, but not specifically addressed below, is not likely to adversely impact the subject property.

### **National Priorities List (NPL) and RCRA CORRACTS Facilities**

The NPL is a list compiled by the EPA of properties with the highest priority for cleanup pursuant to EPAs Hazard Ranking Systems. No NPL sites were identified within a one-mile radius of the subject property.

The RCRA CORRACTS is a list compiled by the EPA of properties where corrective actions are required or have been imposed. No RCRA CORRACTS sites were identified within a one-mile radius of the subject property.

### **Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS)**

This is a list of sites compiled by EPA that have been investigated or are currently under investigation for potential hazardous substance contamination for possible inclusion on the National Priorities List. No CERCLIS sites were identified within a ½-mile radius of the subject site.



**Treatment, Storage or Disposal Facilities (TSD)**

No RCRA-TSD (treatment, storage or disposal) or RCRA CORRACTS-TSD (Corrective Action TSD) sites are located within 1 mile of the subject property.

**Resource Conservation and Recovery ACT (RCRA)**

This is a list of persons or entities that generate hazardous wastes as defined and regulated by RCRA. Conditionally Exempt Small Quantity Generators (CESQG) are classified by the EPA as producers who generate less than 100 Kg/mo of non-acutely hazardous waste. Small Quantity Generators (SQG) are classified by the EPA as producers who generate 100 Kg/mo but less than 1,000 Kg/mo of non-acutely hazardous waste.

The subject site is not a RCRA-listed facility. Ten RCRA-CESQG facilities are identified within 1/8-mile of the subject site. The identified facilities do not include the subject property or immediately adjacent facilities. All facilities within 500 feet are currently in compliance or have had no recorded violations.

**Emergency Response Notification System (ERNS)**

ERNS records and stores information of reported releases of oil and hazardous substances. There are no ERNS incidents listed for the subject property.

**Florida State Sites**

There are no sites on the Florida Department of Environmental Protection (FDEP) State Sites list within one mile of the subject property.

**Stationary Tanks Inventory System (STCM)**

A review of the FDEP database revealed twenty-six STI facilities within a ¼ mile radius of the subject site. Of the facilities identified, nineteen are currently closed. The subject site is identified on the list as Manatee County Schools, 718 9<sup>th</sup> Avenue West.

An underground storage tank was registered at the subject site in 1987 and was assumed to be a 2,000-gallon underground storage tank utilized for storage of heating oil. In another document completed during tank removal in 1989, the tank was identified as 1,000-gallon capacity. The tank was located north of the parking lot centrally on-site. The tank was reportedly removed prior to





regulatory scrutiny. Therefore, there was no assessment conducted of soils or groundwater at the time of tank removal.

The next closest facility currently in operation is the Palmetto Petro, located approximately 300 feet due north of the subject property, at 920 10th Avenue West. There is no report of petroleum impact at the site. The most recent compliance inspection was conducted in April of 2017 when only minor out of compliance issues were identified. Due to the lack of report of contamination and the intervening distance, as well as an assumed groundwater flow direction to the southwest, no negative impact to the subject site is anticipated.

#### **Leaking Underground Storage Tank (LUST)**

The EDR report was reviewed for reported instances of petroleum contamination within and near the subject site. Based on our review, 19 LUST sites within ½-mile of the subject site have been reported to the FDEP. Of the 19 facilities identified, 10 have either received a No Further Action (NFA) status, Site Rehabilitation Completion Order (SRCO) or it has been determined that no cleanup is necessary. The remaining sites of interest within 500 feet of the subject property with ongoing assessment or cleanup activities include the Steve White Texaco (300 feet to the east), former Gluek at 930 8th Avenue West (300 feet to the northeast) and Harmon's Automotive at 1001 8th Avenue West (550 feet to the northeast). Files for these facilities were reviewed on the FDEP oculus database.

The closest facility with reported contamination is the former Steve White Texaco. Approximately 635 tons of soil were excavated from that site in 1990 associated with tank replacement and assessment activities. The site has a low priority score and is currently awaiting funding for future assessment. Due to the limited residual contamination at that facility and intervening distance, no negative impact to the subject site is anticipated.

The next closest facility is the former Glueks which is now the Walgreens drugstore. Tanks were closed at that facility in 1992 and the site was determined eligible for state funded cleanup. Recent assessment activities at that site conducted in May of 2017 revealed only limited on-site impacts. Due to the limited residual contamination and intervening distance, no negative impact the subject site is anticipated.



The former Harmon's gas station was located approximately 550 feet north, northeast of the subject property and is now a Checkers restaurant. Tanks were removed from the facility in the 1990s and that facility was also determined eligible for funding for future assessment and remediation costs. The most recent assessment activities were conducted in 2017, which revealed a generally southerly groundwater flow direction. Limited residual contamination remains on that site and has impacted both soils and groundwater. Some of the groundwater contamination has migrated into 10th Street West. However, due to the intervening distance and residual contaminant concentrations, no negative impact to the subject site is anticipated.

### **Drycleaners**

Based on our review of the EDR report and DEP's latest Drycleaning Solvent Cleanup Program Sites list, one contaminated drycleaners (Priority Cleaners) is located within ½ mile of the subject site. That facility is the Central Florida Fabrics at 1304 8th Avenue West which is located approximately 2,000 feet to the north, northeast of the subject site. Simply due to intervening distance, no negative impact to the subject site is anticipated.

Historically, Michael the Cleaners operated on the adjacent site to the east at 737 8th Avenue West. This location was also noted in the historical Sanborn maps. While no contamination has been documented at this facility, due to the close proximity to the site the potential exists for negative impact to the subject property if discharges historically occurred at that facility.

### **Brownfields**

Based on EDR's review of the Brownfield sites database, four state Brownfields sites are located within ½-mile of the subject property. Thirteen US Brownfields sites are located within the 1/2 mile radius. The subject site is Incorporated into the Palmetto Economic Enhancement District which includes a large area of historical Palmetto. No specific hazards are identified associated with that economic development incentive. Additionally, of the 13 US Brownfields, an adjacent site to the west at 705 through 715 10th Avenue West is identified. Historically, a portion of this property was an auto garage and contaminants of concern have been identified at that facility. No negative impact to the subject site is anticipated as a result of that facility.



### **Solid Waste Facilities (SWF/LF)**

The EDR report was reviewed to determine the location of landfills, incinerators, transfer stations and other solid waste facilities in the area. Based on the findings of the EDR report, six facilities are located within ½-mile of the subject site. None of the facilities is a landfill site. Five of the facilities are simply waste tire storage facilities. The sixth facility is a non-hazardous, disaster debris storage site that is currently inactive, operated by the City of Palmetto.

### **Institutional/Engineering Controls (IC/EC)**

Based on review of the EDR report and FDEP's Division of Waste Management's latest available Institutional and Engineering Controls Registry, no Institutional and Engineering Controls including AULs, were found for the subject property. One such facility was identified which is the current Dollar General at 1001 10th Street West. No negative impact to the subject site is anticipated as a result of that facility.

### **County Complaints**

The Manatee County Pollution Control complaints files were reviewed at myManatee.com. There have been numerous complaints in the area associated with discharge of automotive wastes to surficial soils, sewage odors, algae blooms, and grease slicks on nearby waterways. In 1993, there was one response to a natural gas leak at the former Palmetto Elementary School located on-site.

## **5.2 Additional Environmental Record Sources**

Other than those sources identified above, no additional record sources were reviewed.

### **Recognized Environmental Conditions**

Information obtained from the regulatory agencies have identified a potential concern associated with a former underground storage tank, located on-site for storage of heating oil. While the tank was reportedly removed, the removal predated current regulatory scrutiny. Therefore, no soils or groundwater sampling or analysis was conducted.



### **5.3 Physical Setting Sources**

#### **U.S.G.S. 7.5 Minute Topographic Map**

The site is superimposed on the 1964, Palmetto, Florida U.S.G.S. quadrangle map (photo-revised 1987) in Figure 2, Appendix 16.1. Site elevation is approximately 10 to 15 feet above the National Geodetic Vertical Datum of 1929. According to the U.S.G.S. quadrangle map as shown on Figure 2, the direction of surficial groundwater flow is most likely to the west or southwest. Local drainage improvements can severely affect the localized groundwater flow direction, however.

Ardaman & Associates, Inc. did not conduct field measurements to determine the directional flow of the surficial groundwater as part of this Phase I ESA.

#### **Soil Conservation Service - Soil Map**

##### **Soils**

The U.S.D.A. Soil Conservation Service (SCS) for Manatee County, Florida (1983) identifies the primary soils in the area of the subject property as "EauGallie fine sand". These are nearly level, poorly-drained soils. The surface and subsurface layers are dark gray, grayish-brown and light brownish gray fine sands to a depth of 28 inches. The subsoil is black fine sand coated with organic matter to a depth of 42 inches then 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.

Permeability is rapid in the surface and subsurface layers and moderate to moderately rapid in the subsoil and substratum.

A small area at the far northwest corner of the property is identified as "Delray complex". This complex consists of several nearly level, very poorly drained soils on flats and in sloughs. Typically, the surface layer of Delray soils is black fine sand about 15 inches thick. The subsurface layer is grayish brown and light brownish gray fine sand to a depth of about 55 inches. The subsoil is grayish brown and greenish gray fine sandy loam and sandy clay loam to a depth of 80 inches or more. Permeability is rapid in the surface and subsurface layers and moderate to moderately rapid in the subsoil.



Ardaman & Associates, Inc. did not perform soil sampling to determine soil profiles or investigate the presence of radon-generating materials in the site soil as part of this Phase I ESA.

### **Hydrology**

According to the Manatee County SCS, in most years under natural conditions, the apparent high water table for the EauGallie soils is at a depth of less than 10 inches from the surface for 2 to 4 months during the wet season and within a depth of 40 inches for more than 6 months out of the year.

The SCS identifies the water table of the Delray complex, if the soil is not drained, to be at or near the surface for 6 months or more out of the year. In most areas, man-made drainage systems affect the natural water table elevations.

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

### **Aerial Photograph Review**

Aerial photographs of the property from 1940 to the most recent, 2017, were examined to determine any obvious uses of the subject property during this time. Copies of select aerial photographs can be found in Appendix 16.4.

In the earliest available photograph taken in 1940, the subject property appears developed with the former school buildings, gymnasium and some dwellings. The railroad right-of-way is active to the north with the freight and passenger stations located adjacent to the rail line. Additionally, a large packing house is located to the northeast of the subject property. The commercial properties adjacent to 8th Avenue are present to the east of the subject site. Properties to the south and to the west generally appear to be residential in nature. The 1951, 1957 and 1965 aerials are essentially unchanged. By 1973, the rail stations due north of the subject property no longer appear and the former dwellings on the southeast portion of the site are no longer present. Additional commercial structures are present to the east along 8th Avenue.

In 1975, the gymnasium building on-site remains present. By 1984, however, it does not appear to be present on the subject site. By 1994, the school facility on the southern half of the property has expanded significantly and remains on-site through the 2010 aerial. By 2013, most of the school structure on the south half of the site is gone. The metal-framed playground pavilion which remains



on-site today and a number of portable classroom buildings are present at the northeast corner of the site. By 2017, the portable structures are no longer present on-site. The only remaining structures on the property include two buildings at 818 10th Avenue West and the covered pavilion area.

In summary, the aerial photographs did not reveal any evidence of prior detrimental use of the subject site or typical indicators of potential sources of contamination. The subject site initially included residential dwellings, a storefront building, and school building facilities.

### **Sanborn Fire Insurance Map Review**

A review of available Sanborn Fire Insurance Maps is typically conducted as they often identify facilities storing hazardous or flammable materials. Maps for the years 1917, 1923, 1930 and 1944 were reviewed. In the earliest map from 1917, six dwellings appear on the subject property primarily on the southeast and northwest corners of the site. The southwest corner of the property is identified as Palmetto High School. Residential dwellings are noted to the east, south and west, with grocery stores located both east and west of the subject property. The railway freight and passenger stations are located north of the subject site.

By 1923, an additional storage building is present associated with the school facility, and a boarding house is also present on the northwest corner of the subject site. Commercial development is now noted along 8th Avenue West to the east of the subject property. An automotive repair facility as well as a number of storefronts are noted. Additionally, an auto garage is located to the west of the subject site across 10th Avenue.

By 1930, three school structures are located in the southwest corner of the property which include the grammar school, junior high school and high school. Additionally, classrooms are located centrally on the site. The boarding house and three dwellings also remain on the property at this time. Of particular note, the auto garage to the east and a dry-cleaning facility are located due east of the northeast corner of the property, at 819 and 831 8th Avenue West. The auto repair facility to the west of the subject site remains as well.

By 1944, the gymnasium building is now constructed in the northeast corner of the site. Only two dwellings remain on the property at this time. The boarding house is no longer present. The auto repair facility remains to the east of the subject site, however the former auto garage to the west is



no longer present. The Palmetto Lumber Company is located just northwest of the subject property at this time.

### **City Directory Review**

A review of available Polk City and Hill-Donnelly Cross Reference Directories was conducted in order to determine current and prior occupants of the subject property and surrounding sites. Directories for the years 1939 to the present were reviewed. Prior occupants of the subject property have included residential occupants, Palmetto Kindergarten, Palmetto High School, Palmetto Grammar School, Palmetto Junior High, a shoe repair facility, a tent and awning shop, a beauty salon, Schaefer electric, Hunt's mower and repair shop, Coleman's repairs and machine shop, Jarrett's hydraulic repair service, Hunt's gift shop, B & W Aluminum and the School Board of Manatee County

### **Historical Topographic Map Review**

A review of historical U.S.G.S. topographic maps was conducted as they often indicate structures and other land uses which may identify potential areas of concern. Maps for the years 1964, 1969 and 1987 were reviewed. In the earliest map from 1964, the vicinity of the subject property is already identified as urban development and, therefore, privately owned structures are not identified. The school facility is identified on the southern portion of the subject property. The 1969 and 1987 revisions to the map are essentially unchanged with regard to the subject property and continue to identify the vicinity as an area of urban development.

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

The same aerial photographs, City Directories, and topographic maps which were reviewed relative to the subject site were reviewed with regard to adjacent properties. Based on these reviews, the adjoining properties to the east initially appeared as undeveloped or residential in nature and later transitioned to commercial storefronts, offices and a dry cleaner and an auto repair facility. The adjoining properties to the west have included residences, a grocery store, auto repair garage, offices, a boat storage lot and a lumber facility. The adjoining properties to the south have included residences and a City Park. The adjoining properties to the north have generally been associated with the railroad and have included both freight and passenger stations, offices and a packing house.



In summary, the historical review revealed the following areas of environmental interest or concern:

- An underground storage tank was historically utilized on-site for heating oil purposes.
- A machine shop and a small engine repair facility were operated in the storefront structure at the northwest corner of the property. Prior assessment in this area has identified a limited area of impacted soils.
- A dry-cleaning facility operated to the east of the northeast corner of the site. While contamination at that facility has not been identified, potential exists for impact to the subject property if inappropriate disposal practices occurred.
- An auto repair facility historically operated to the east of the northeast corner of the site. Likewise, if inappropriate discharges occurred at that facility, potential exists for negative environmental impact to the subject property.





## **6.0 SITE RECONNAISSANCE**

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

Ashby Hoover, Jr., Project Engineer and representative of Ardaman & Associates, Inc., visited the subject property on June 7, 2018 for purposes of conducting site reconnaissance. The Ardaman representative was accompanied by a representative of the City of Palmetto during the interior inspection of the commercial structure at the northwest corner of the site.

The periphery of the property was observed to the maximum extent practicable and several transects were made across the property. The property was viewed from all adjacent public thoroughfares. All roads or paths with no apparent outlet on the property were investigated. The periphery of all structures was observed. All common areas of the structures were observed as well as work and maintenance areas.

No limiting conditions were specifically identified during site reconnaissance activities. Skies were generally sunny and clear with a temperature of 88°.

### **6.2 General Site Setting**

The subject site is located a half block west of the main north/south business route (8<sup>th</sup> Avenue West). The site is irregular in shape consisting of six separate, but contiguous parcels. The site is generally flat and level and at the same elevation as surrounding properties. The site encompasses approximately 8.47 acres of land.

### **6.3 Exterior Observations**

The majority of the subject site is undeveloped at this time and includes mostly grassed areas. Very few remnants of the former on-site structures were noted. However, some remnant asphalt, concrete and tile were observed in the surface soils. Three asphalt paved parking lots remain. The roadway identified as 9th Avenue Court West, runs through the property. A number of open swales, ditches and storm water intake structures were noted around and on the property. Remnant concrete sidewalks are also present. A small portion of the site where the metal Pavilion remains is fenced. Also, remnant electrical services were noted around the site. A communications tower is present in the southern portion of the parcel.



#### **6.4 Interior Observations**

Access to the structure at the northwest corner of the subject property was provided by a City of Palmetto employee. The structure with an address of 818 10th Avenue West was originally a storefront structure for four tenants, but is now only utilized for storage purposes by the City of Palmetto. The city has utilized the building since approximately 2007. Material stored includes traffic control devices, Christmas decorations, park benches, light structures, air-conditioning equipment and a pallet of paints appear to be stored for recycling purposes. Nothing of environmental significance was observed. The metal building located to the east of the storefront structure is utilized for traffic control equipment as well. Neither of the two buildings is climate controlled at this time.

The property was found as shown in the site photographs in Appendix 16.3.

The representative did not observe any areas of chemically distressed vegetation, stained soil, unusual stains or uncommon cracks in the paved areas, evidence of landfills or burial pits, or underground or above-ground storage tanks. No unusual odors were noticed during the site visit.

The representative did not observe any evidence of surface water contamination such as an oil sheen, turbidity, odor, or distressed vegetation or distressed aquatic life.



## **7.0 INTERVIEWS**

### **7.1 Interview with Owner**

The School Board has indicated that a prior assessment conducted for their benefit can be utilized by the City of Palmetto. The conclusions of that report are included in Section 4.7 of this report. A copy of the Record of Communication is included in Appendix 16.6 of this report. The information provided identifies the following Area of Environmental Concern:

Historical soil assessment activities have identified an area of limited soil impacts on the subject site likely associated with the former small engine repair or machine shop which operated on-site. No groundwater contamination was identified.

### **7.2 Interview with Past Owners**

Past owners of the property were not interviewed.

### **7.3 Interview with Site Manager**

There are currently no on-site activities other than storage. Therefore, no site manager was interviewed.

### **7.4 Interviews with Occupants**

There are currently no property occupants. Therefore, property occupants interviews were not conducted.

### **7.5 Interviews with Local Government Officials**

Manatee County personnel were contacted in order to gain access to records, specific to historical records, petroleum tanks, complaint and enforcement action files. A discussion of the file review is included in the Records Review section of this report.

### **7.6 Interviews with Others**

No other persons were interviewed as part of this investigation.



## **8.0 FINDINGS**

Based on the information gathered, potential exists for negative environmental impacts on-site due to:

- An underground storage tank was historically utilized on-site for heating oil purposes.
- A machine shop and a small engine repair facility were operated in the storefront structure at the northwest corner of the property. Prior assessment in this area has identified a limited area of impacted soils.
- A dry-cleaning facility operated to the east of the northeast corner of the site. While contamination at that facility has not been identified, potential exists for impact to the subject property if inappropriate disposal practices occurred.
- An auto repair facility historically operated to the east of the northeast corner of the site. Likewise, if inappropriate discharges occurred at that facility, potential exists for negative environmental impact to the subject property.

This assessment has revealed evidence of Recognized Environmental Conditions as discussed above, in connection with the subject site.

## **9.0 OPINION**

This AAI investigation has identified conditions indicative of releases or threatened releases of hazardous substances on, at, in or to the subject property.

No data gaps were encountered or noted during this investigation which are considered significant to Ardaman's conclusions concerning the subject site.

Ardaman & Associates recommends further investigation of the environmental condition of the subject property at this time.

## **10.0 CONCLUSION**

We have performed a Phase I Environmental Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13. Any exceptions to, or deletions from this practice are presented in Section 11 of this report. This assessment has revealed evidence of recognized environmental conditions, as discussed above, in connection with the subject site.



## **11.0 DEVIATIONS**

As defined in Section 312.26 of 40 CFR 312, Standards and Practices for All Appropriate Inquiries; Final Rule, we have modified the standard search distances for one or more environmental record sources for this Phase I Environmental Site Assessment, based on the environmental professional's professional judgment. Our modification of the standard search distances is based on the topography of the site vicinity and our experience in conducting environmental assessments in southwest Florida. The search distances used for the Regulatory Records Review section are as follows:

<b>REGULATORY RECORD</b>	<b>SEARCH DISTANCE USED</b>	<b>AAI STANDARD DISTANCE</b>
<i>Federal NPL site list</i>	1 Mile	1 Mile
<i>Federal Delisted NPL site list</i>	1 Mile	½-Mile
<i>Federal CERCLIS &amp; CERCLIS NFRAP list</i>	½-Mile	½-Mile
<i>Federal RCRA CORRACTS TSD facilities list</i>	1 Mile	1 Mile
<i>Federal RCRA non-CORRACTS TSD facilities list</i>	½-Mile	½-Mile
<i>Federal ERNS list</i>	Target Property	Target Property
<i>Federal RCRA generators list</i>	¼-Mile	Target Property and Adjoining Properties
<i>Federal institutional controls/ engineering controls registries</i>	½-Mile	Target Property
<i>State and tribal institutional control/ engineering control registries</i>	½-Mile	Target Property
<i>State and tribal Brownfields sites</i>	½-Mile	½-Mile
<i>State- and tribal - equivalent CERCLIS</i>	1 Mile	½-Mile
<i>Florida Waste Cleanup Sites (FL Sites)</i>	1 Mile	½-Mile
<i>State and tribal voluntary cleanup sites</i>	½-Mile	½-Mile
<i>Priority Cleaners / FDEP Drycleaning Solvent Cleanup Program Sites</i>	½-Mile	½-Mile
<i>State and tribal registered storage tank lists (UST, AST, Indian UST, FF Tanks, FEMA UST)</i>	¼-Mile	Target Property and Adjoining Properties
<i>State and tribal leaking storage tank lists (LUST, LAST &amp; Indian LUST)</i>	½-Mile	½-Mile
<i>State and tribal landfill and/or solid waste disposal site lists</i>	½-Mile	½-Mile

NPL - National Priorities List

CERCLA - Comprehensive Environmental Response, Compensation and Liability Act

RCRA - Resource Conservation and Recovery Act

TSD - Treatment, Storage and Disposal

CORRACTS - Corrective Action Site

ERNS - Emergency Response Notification System

FDEP - Florida Department of Environmental Protection



## **12.0 ADDITIONAL SERVICES**

No additional services were performed as part of this investigation.

## **13.0 REFERENCES**

1. United States Department of the Interior - Geological Survey, Palmetto Quadrangle, Florida - Manatee County, 7.5 Minute Series (Topographic), 1964, 1969, 1987.
2. United States Department of Agriculture, Soil Conservation Service, Soil Survey of Manatee County, Florida, 1983.
3. R. L. Polk & Co., Bradenton Florida City Directory, various years.
4. Hill-Donnelly Cross Reference Directory, Sarasota-Bradenton and Vicinity, various years.
5. Environmental Data Resources Inc., Six Parcels, City of Palmetto, EDR Summary Radius Map Report, 2018.
6. Ardaman & Associates, Inc., Environmental Site assessment for Four Lots, North of Palmetto Elementary School and East of 10<sup>th</sup> Avenue West, Palmetto, Manatee County, Florida, 2009.

## **14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS**

The signatures of the Environmental Professionals associated with this report are on the first page of the document.

## **15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

The resumes of the Environmental Professionals associated with this report are presented in Appendix 16.8.

We declare that, to the best of our knowledge and belief, we meet the definition of *Environmental Professional* as defined by 40 CFR Part 312.10(b) and 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 the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

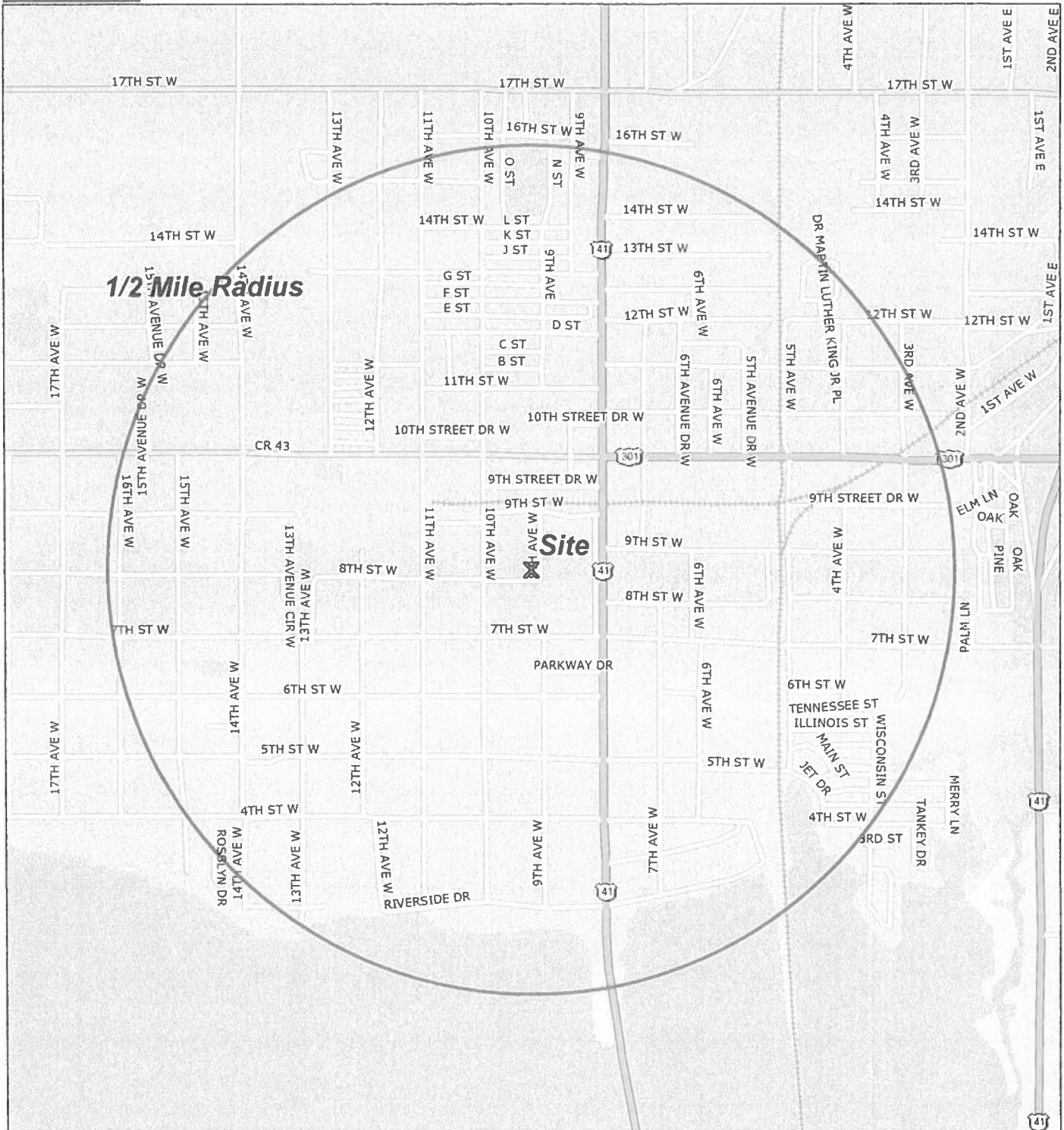


## **APPENDICES**

## **APPENDIX 16.1**

### **SITE (VICINITY) MAP AND U.S.G.S. TOPOGRAPHIC MAP**





Data use subject to license.


© DeLorme. DeLorme Street Atlas USA® 2015

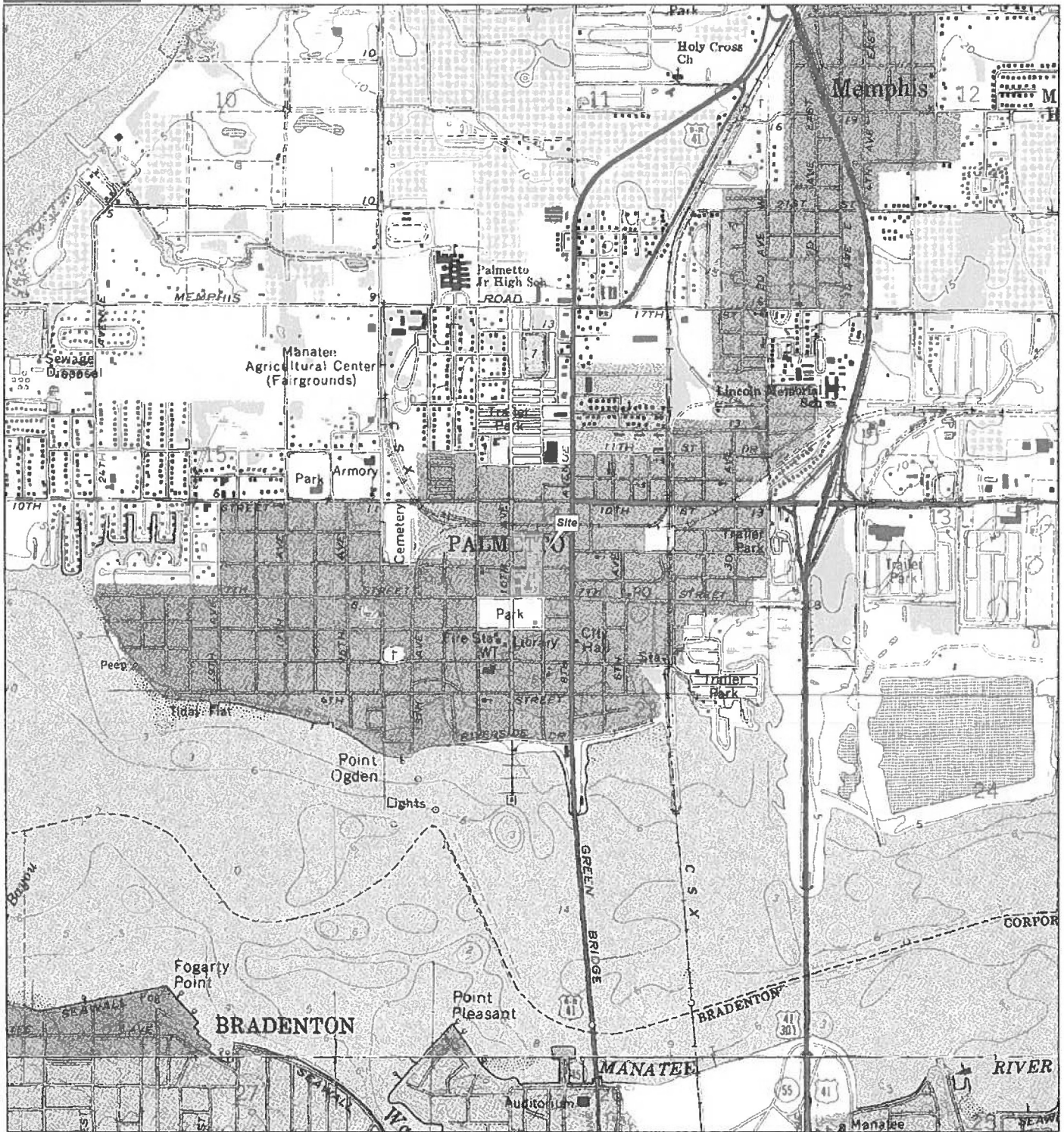
www.delorme.com



Scale 1 : 12,800



 <p><b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants</p>		<p><b>Location of Site in Region</b> <b>Six Parcels</b> <b>9th &amp; 10th Avenue W., Palmetto</b> <b>Manatee County, Florida</b></p>	
Drawn By:	KGS	Date:	6/8/18
Approved By:	File No. 18-8252		Figure No. 1



Data use subject to license.


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Scale 1 : 24,000




 <p><b>Ardaman &amp; Associates, Inc.</b> Geotechnical, Environmental and Materials Consultants</p>		<p><b>Location of Site on U.S.G.S. Map</b> <b>Six Parcels</b> <b>9th &amp; 10th Avenue W., Palmetto</b> <b>Manatee County, Florida</b></p>	
Drawn By:	KGS	Date:	6/8/18
Approved By:		File No.	18-8252
		Figure No.	2

**APPENDIX 16.2**  
**SITE PLAN/AERIAL**







**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and  
Materials Consultants

**Site Location on Aerial**  
**Six Parcels**  
**9th & 10th Avenue W., Palmetto**  
**Manatee County, Florida**

DRAWN BY: <b>KGS</b>	CHECKED BY:	DATE: <b>6/8/18</b>
FILE NO. <b>18-8252</b>	APPROVED BY:	FIGURE: <b>3</b>

**APPENDIX 16.3**  
**SITE PHOTOGRAPHS**



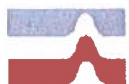
# SITE PHOTOGRAPHS



North boundary of subject property as seen from Northwest corner of site looking east



West boundary of subject property as seen from Northwest corner of site looking south adjacent to 10th Ave., West



Ardaman & Associates, Inc.

AAI 18-36-8252



# SITE PHOTOGRAPHS



East boundary of subject property as seen from Northeast corner of site looking south adjacent to 9th Court, West



South boundary of subject site as seen from southeast corner looking west adjacent to 7<sup>th</sup> St. W



**Ardaman & Associates, Inc.**

AAI 18-36-8252



# SITE PHOTOGRAPHS



Subject property as seen from southeast corner of site looking northwesterly across the former school location



Portion of west boundary of site as seen from intersection of 10<sup>th</sup> Ave. W. and 8<sup>th</sup> St. W. looking south



**Ardaman & Associates, Inc.**

AAI 18-36-8252



## SITE PHOTOGRAPHS



Three structures are located on the subject property, a former commercial retail building at 818 10<sup>th</sup> Ave. West ....



a metal warehouse building behind the structure at 818 10<sup>th</sup> Ave. West and ....



Ardaman & Associates, Inc.

AAI 18-36-8252



## SITE PHOTOGRAPHS



an open pavilion associated with the former school



Two structures at 818 10<sup>th</sup> Ave. W. are utilized by the City of Bradenton for storage of equipment...



Ardaman & Associates, Inc.

AAI 18-36-8252



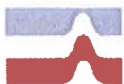
## SITE PHOTOGRAPHS



supplies, signs, recyclables and ....



paint





## SITE PHOTOGRAPHS



9<sup>th</sup> Ave. W. runs through portions of the property and includes utility and stormwater improvements



several open swales, culverts and ....



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AAI 18-36-8252



# SITE PHOTOGRAPHS



catch basins are present on and around the site



Adjacent facilities include a boarding house, ....



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AAI 18-36-8252



# SITE PHOTOGRAPHS



day care facility ....



and offices to the west, ....



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AAI 18-36-8252



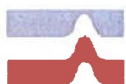
## SITE PHOTOGRAPHS



vacant former railroad right-of-way and warehouses to the north. ....



A variety of retail, restaurants and offices to the east and....



Ardaman & Associates, Inc.

AAI 18-36-8252



## SITE PHOTOGRAPHS



Residential properties and a city park to the south



Approximate former location of underground heating oil storage tank previously used at the site



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AAI 18-36-8252



**APPENDIX 16.4**  
**HISTORICAL RESEARCH DOCUMENTATION**

8.47  
Acres

PARID: 2700200054

SCHOOL BOARD OF MANATEE COUNTY

1540 10TH ST W

## ID Block

Account#	2700200054
T/R/S	34S / 17E / 14
Primary Address Location	1540 10TH ST W, PALMETTO, FL 34221-3604
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8300
DOR Description	Govt Owned Public County School (1555)
Neighborhood Name	DWTN PALMETTO,RIVER-21 ST,10 AV-HABEN BL
Neighborhood Number	7100
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	71
Zone/Field Reference	CM
Route Number	073
Map ID	4B14 6
Acres (If Available)	6 4834
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	1
Living/Business area	94911
Total Under Roof	109525
Unit Desc	
Short Legal Desc	LOT 2 LESS 20 FT OFF S & W SIDES FOR ST LESS E 12 FT, LOT 3 LESS E 65 FT BLK 1 ZEHNNERS ADD, TOGETHER WITH E1/2 OF VACATED 9TH AVE & THAT PART OF S1/2 OF VACATED 8TH ST LYING
Unit #	
Lot ID	2
Block ID	1
Subdivision Number	2699600
Subdivision Name	ZEHNER'S ADDITION TO PALMETTO
City/County Tax District	0019
Tax District Name	0019 - PALMETTO
TPP Current Year Date Filed	
TPP Current Year Extension Request	
Owners	
Owner	SCHOOL BOARD OF MANATEE COUNTY
Owner Type	GV. GOVERNMENT
Address	P O BOX 9069
City	BRADENTON
State	FL
Zip Code	34206
International Postal Code	
Country	

Total Value

Latest Certified Values \*\*

Tax Year:

2017

Just Land Value	\$713,540
Just Improvement Value:	\$4,429,426
Total Just Value	\$5,142,966
New Construction:	\$0
Addition Value:	\$0
Demolition Value:	\$0
Save Our Homes Savings:	\$0
Non Homestead Cap Savings:	\$0
Market Value of Classified Use Land	\$0
Classified Use Value	\$0
Total Assessed Value	\$5,142,966

**Previous Year Values**

Previous Year Just Value	\$5,188,644
Previous Year Assessed Value:	\$5,188,644
Previous Year Cap Value	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August

**Non-Ad Valorem Assessments**

Levying Authority	
NORTH RIVER FIRE RESC	\$ .00

Exemptions 1 of 2

Account#	2700200054
Exemption Code	8600
Description	MANATEE CTY PUBLIC SCHOOL
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY
Year	1980
Override Flag	
Override Type	

**Sales**

Account#	2700200054
Date	01-JAN-1931
Sale Amount	
Vacant/Improved Indicator	Vacant
Qualification Code	01
Qualification Code Description	ONE PARCEL DISQUALIFIED(PRIOR 2009)
Book	00000000
Page	00000000
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY
Grantor Name	
Deed Type	UK-UNKNOWN
Sales Key	1480690

**Legal**

Description	LOT 2 LESS 20 FT OFF S & W SIDES FOR ST LESS E 12 FT, LOT 3 LESS E 65 FT BLK 1 ZEHNNERS ADD; TOGETHER WITH E1/2 OF VACATED 9TH AVE & THAT PART OF S1/2 OF VACATED 8TH ST LYING N OF ABOVE DESC PARCEL; LESS THAT PART INCLUDED IN RD R/W DESC AS FOLLOWS. COM AT THE NE COR OF LOT 4 BLK 1, TH S 00 DEG 25 MIN 14 SEC W 16.29 FT; TH S 89 DEG 56 MIN 35 SEC W 15 FT TO THE P.I. OF THE WR/W LINE
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OF 8TH AVE W & THE S R/W LINE OF 8TH ST W; TH CONT S 89 DEG 56 MIN 35 SEC W  
 ALG SD S R/W LINE OF 8TH ST W 187.57 FT FOR A POB, TH S 00 DEG 20 MIN 04 SEC W  
 190.94 FT M/L; TH S 89 DEG 38 MIN 57 SEC E 1.00 FT; TH S 00 DEG 20 MIN 04 SEC W  
 183.34 FT TO THE N R/W LINE OF 7TH ST W, TH N 89 DEG 32 MIN 10 SEC W ALG SD N  
 R/W LINE OF 7TH ST W 51 FT; TH N 00 DEG 20 MIN 04 SEC E 373.83 FT TO THE S R/W  
 LINE OF 8TH ST W; TH N 89 DEG 56 MIN 35 SEC E ALG SD R/W LINE 50 FT TO THE POB  
 AS DESC IN OR 1252 P 2593 PRMCF; ALSO E 65 FT OF LOT 3 LESS THAT PART  
 INCLUDED IN RD R/W DESC AS FOLLOWS: COM AT THE NE COR OF LOT 4; TH S 00 DEG  
 25 MIN 14 SEC W 16.29 FT, TH S 89 DEG 56 MIN 35 SEC W 15 FT TO THE P.I. OF THE W  
 R/W LINE OF 8TH AVE W & THE S R/W LINE OF 8TH ST W; TH CONT S 89 DEG 56 MIN 35  
 SEC W ALG SD S R/W LINE OF 8TH ST W 187.57 FT FOR A POB, TH S 00 DEG 20 MIN 04  
 SEC W 190.94 FT M/L, TH S 89 DEG 38 MIN 57 SEC E 1.00 FT, TH S 00 DEG 20 MIN 04 SEC  
 W 183.34 FT TO THE N R/W LINE OF 7TH ST W, TH N 89 DEG 32 MIN 10 SEC W ALG SD N  
 R/W LINE OF 7TH ST W 51 FT, TH N 00 DEG 20 MIN 04 SEC E 373.83 FT TO THE SD S R/W  
 LINE OF 8TH ST W, TH N 89 DEG 56 MIN 35 SEC E ALG SD R/W LINE 50 FT TO THE POB  
 AS DESC IN OR 1252 P 2593, TOGETHER WITH S 1/2 OF VAC 8TH ST W LYING N OF  
 ABOVE DESC AS REC IN OR 1252 P 2584 PRMCF BLK 1 ZEHNERS ADD, ALSO, LOTS  
 1,2,3,4 BLK 2 ZEHNERS ADD DB G P 812, TOGETHER WITH THE W 1/2 OF VACATED 9TH  
 AVE AS DESC IN RESOLUTION DATED 3-14-89 & REC IN OR 1252 P 3584 PRMCF, ALSO  
 LOT 2 LESS ALLEY AS DESC IN DB 298 P 531 PRMCF BLK 6 ZEHNERS ADD, ALSO LESS  
 THAT PART FOR RD R/W AS DESC IN OR 1252 P 2595, TOGETHER WITH N 1/2 OF VAC  
 8TH ST LYING S OF LOT 2 BLK A AS DESC IN RESOLUTION DATED 4-14-89 REC IN OR  
 1252 P 2584, SUBJ TO EASMT AS DESC IN OR 1252 P 2589 PRMCF, ALSO BEG 3 13 CHS  
 W OF NE COR OF ZEHNERS ADD, TH N 3 03 CHS, W 3 13 CHS, S 3 03 CHS, E 3 13 CHS,  
 LESS THE ELY 25.34 FT AS DESC IN OR 1252 P 3593 PRMCF, ALSO LESS R/W DESC IN  
 OR 1882/7512 AS FOLLOWS: A PORTION OF LOTS 3 AND 4, BLK 2, D ZEHNERS SUB AS  
 REC IN DEED BK G PG 812, PRMCF, COM AT THE SE R/W BDRY INT OF 10TH AVE W AND  
 8TH ST W, LYING IN PALMETTO, AS THE POB. TH THE FOLLOWING FIVE (5) COURSES:  
 1) N 89 DEG 13 MIN 09 SEC E, ALG THE S R/W BDRY OF 8TH ST W, A DIST OF 400.88 FT;  
 2) S 01 DEG 09 MIN 37 SEC E, A DIST OF 15.78 FT, 3) N 90 DEG 00 MIN 00 SEC W, A DIST  
 OF 397.28 FT; 4) S 43 DEG 53 MIN 27 SEC W, A DIST OF 5.21 FT TO THE E R/W BDRY OF  
 10TH AVE W; 5) N 01 DEG 08 MIN 44 SEC W, ALG SD BDRY, A DIST OF 14.07 FT TO THE  
 POB CONTAINING 5240 SQ FT, M/L BASIS OF BEARINGS: N BDRY OF LOT 3, BLK 2, D  
 ZEHNERS SUB AS BEING N 89 DEG 13 MIN 09 SEC E TOGETHER WITH THE E 1/2 OF  
 VACATED RD LYING W OF ABOVE PARCEL & THE NLY EXT OF SD E 1/2 OF VACATED RD  
 PER ORDINANCE NO 09-994 DTD 06/01/09 REC IN OR 2301/1061 & CORRECTIVE REC IN  
 OR 2313/249 I#27002 0005/4

#### Market Land Lines

Account#	2700200054
Square Feet	282416
Acres	6.4834
Influence Code 1	
Influence Code 2	

#### Commercial

1 of 6

Account#	2700200054
Building Number	0001
Improvement Name	
Year Built	1978
Units	
Structure Code	612
Description	SCHOOL
Card	1
Total Under Roof	43176
Business Living Area	40292
Exterior Wall	
Roof Material	
Roof Type	

OBY

1 of 4

Account#	2700200054
Card	1
Code	ASP
Description	ASPHALT PAVING
Year Built	1978
Width	
Length	
Area	37700
Units	1

PARID: 2698200009

SCHOOL BOARD OF MANATEE COUNTY FL

818 10TH AVE W

## ID Block

Account#	2698200009
T/R/S	34S / 17E / 14
Primary Address Location	818 10TH AVE W, PALMETTO, FL 34221-4624
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8300
DOR Description	Govt Owned Public County School (1555)
Neighborhood Name	DWTN PALMETTO,RIVER-21 ST,10 AV-HABEN BL
Neighborhood Number	7100
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	71
Zone/Field Reference	CM
Route Number	019
Map ID	4B14 6
Acres (If Available)	4247
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	1
Living/Business area	8060
Total Under Roof	8504
Unit Desc	
Short Legal Desc	LOTS 4,5 BLK A BRUNJES SUB PI#26982 0000/9
Unit #	
Lot ID	4
Block ID	A
Subdivision Number	2697800
Subdivision Name	BRUNJES
City/County Tax District	0019
Tax District Name	0019 - PALMETTO

TPP Current Year Date Filed

TPP Current Year Extension Request

## Owners

Owner	SCHOOL BOARD OF MANATEE COUNTY FL
Owner Type	GV- GOVERNMENT
Address	215 MANATEE AVE W

City	BRADENTON
State	FL
Zip Code	34205 8897
International Postal Code	
Country	

## Total Value

Latest Certified Values \*\*

Tax Year	2017
Just Land Value	\$53,750
Just Improvement Value	\$217,431

Total Just Value:	\$271,181
New Construction:	\$0
Addition Value:	\$0
Demolition Value	\$0
Save Our Homes Savings	\$0
Non Homestead Cap Savings	\$0
Market Value of Classified Use Land:	\$0
Classified Use Value:	\$0
Total Assessed Value:	\$271,181

**Previous Year Values**

Previous Year Just Value	\$270,055
Previous Year Assessed Value	\$270,055
Previous Year Cap Value	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August

**Non-Ad Valorem Assessments**


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Levying Authority	
NORTH RIVER FIRE RESC	\$ .00

**Exemptions**

1 of 2

Account#	2698200009
Exemption Code	8600
Description	MANATEE CTY PUBLIC SCHOOL
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY FL
Year	2009
Override Flag	
Override Type	

**Sales**

1 of 4

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Account#	2698200009
Date	05-AUG-2009
Sale Amount	\$1,239,600
Vacant/Improved Indicator	Improved
Qualification Code	18
Qualification Code Description	DISQ-GOVERNMNT/COURTS/SHERIFFS/EDUCATION
Book	2308
Page	7919
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY FL
Grantor Name	CITY OF PALMETTO COMMUNITY
Deed Type	SW-SPECIAL WARRANTY DEED
Sales Key	1960005

**Legal**

Description	LOTS 4,5 BLK A BRUNJES SUB PI#26982 0000/9
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**Permits**


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Account#	2698200009
Number	9900000336

Permit Code	31A
Type Description	RESIDENTIAL (1 & 2) SINGLE ATT
Application Date	17-FEB-1999
CO Date	
Description Line	STUCCO RES

**Market Land Lines**

Account#	2698200009
Square Feet	18500
Acres	.4247
Influence Code 1	
Influence Code 2	

**Commercial****1 of 3**

Account#	2698200009
Building Number	0001
Improvement Name	
Year Built	1953
Units	
Structure Code	373
Description	RETAIL SINGLE OCCUP
Card	1
Total Under Roof	3404
Business Living Area	2960
Exterior Wall	BP CONC BLOCK PLAIN
Roof Material	BU BUILTUP TAR & GRA
Roof Type	WT WOOD TRUSS

**OBY**

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Account#	2698200009
Card	1
Code	FNC
Description	FENCE-COMMERCIAL
Year Built	1986
Width	
Length	
Area	110
Units	1



PARID: 2698210008

SCHOOL BOARD OF MANATEE COUNTY FL

814 10TH AVE W

## ID Block

Account#	2698210008
T/R/S	34S / 17E / 14
Primary Address Location	814 10TH AVE W, PALMETTO, FL 34221
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8083
DOR Description	Govt Owned Vac Public Cnty School(1555)
Neighborhood Name	PALMETTO PTSW 1/4 OF 14/34/17
Neighborhood Number	1065
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	01
Zone/Field Reference	R4
Route Number	186
Map ID	4B14 6
Acres (If Available)	4247
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	1
Living/Business area	0
Total Under Roof	0
Unit Desc	
Short Legal Desc	LOTS 6 & 7 BLK A, BRUNJES SUB PI#26982 1000/8
Unit #	
Lot ID	6
Block ID	A
Subdivision Number	2697800
Subdivision Name	BRUNJES
City/County Tax District	0019
Tax District Name	0019 - PALMETTO

TPP Current Year Date Filed

TPP Current Year Extension Request

## Owners

Owner	SCHOOL BOARD OF MANATEE COUNTY FL
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Owner Type	GV: GOVERNMENT
Address	215 MANATEE AVE W

City	BRADENTON
State	FL
Zip Code	34205 8897
International Postal Code	
Country	

Total Value

Latest Certified Values \*\*

Tax Year:	2017
Just Land Value:	\$31,500
Just Improvement Value:	\$0

Total Just Value	\$31,500
New Construction	\$0
Addition Value	\$0
Demolition Value	\$0
Save Our Homes Savings	\$0
Non Homestead Cap Savings	\$0
Market Value of Classified Use Land	\$0
Classified Use Value	\$0
Total Assessed Value	\$31,500

**Previous Year Values**

Previous Year Just Value	\$31,500
Previous Year Assessed Value	\$31,500
Previous Year Cap Value	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August

**Non-Ad Valorem Assessments**

Levying Authority	
NORTH RIVER FIRE RESC	\$0.00

**Exemptions** 1 of 2

Account#	2698210008
Exemption Code	8600
Description	MANATEE CTY PUBLIC SCHOOL
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY FL
Year	2009
Override Flag	
Override Type	

**Sales** 1 of 4

Account#	2698210008
Date	05-AUG-2009
Sale Amount	\$1,239,600
Vacant/Improved Indicator	Improved
Qualification Code	18
Qualification Code Description	DISQ-GOVERNMNT/COURTS/SHERIFFS/EDUCATION
Book	2308
Page	7919
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY FL
Grantor Name	CITY OF PALMETTO COMMUNITY
Deed Type	SW-SPECIAL WARRANTY DEED
Sales Key	1960006

**Legal**

Description	LOTS 6 & 7 BLK A, BRUNJES SUB PI#26982 1000/8
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**Market Land Lines**

Account#	2698210008
Square Feet	18500

Acres	.4247
Influence Code 1	
Influence Code 2	

PARID: 2699200008

SCHOOL BOARD OF MANATEE COUNTY FL

821 9TH AVE W

## ID Block

Account#	2699200008
T/R/S	34S / 17E / 14
Primary Address Location	821 9TH AVE W, PALMETTO, FL 34221-4618
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8300
DOR Description	Govt Owned Public County School (1555)
Neighborhood Name	PALMETTO PTSW 1/4 OF 14/34/17
Neighborhood Number	1065
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	01
Zone/Field Reference	R4
Route Number	190
Map ID	4B14 6
Acres (If Available)	4753
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	4
Living/Business area	0
Total Under Roof	0
Unit Desc	
Short Legal Desc	LOTS 2,3 ROBINSON & BRUNJES SUB TOGETHER WITH THE W 1/2 OF VACATED RD LYING E OF ABOVE PARCEL PER ORDINANCE NO 09-994 DTD 06/01/09 REC IN OR 2301/1061 & CORRECTIVE REC IN OR

## Unit #

Lot ID	2
Block ID	
Subdivision Number	2698800
Subdivision Name	ROBINSON & BRUNJES
City/County Tax District	0019
Tax District Name	0019 - PALMETTO

TPP Current Year Date Filed

TPP Current Year Extension Request

## Owners

Owner	SCHOOL BOARD OF MANATEE COUNTY FL
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Owner Type	GV GOVERNMENT
Address	215 MANATEE AVE W

City	BRADENTON
State	FL
Zip Code	34205 8897
International Postal Code	
Country	

Total Value

Latest Certified Values \*\*

Tax Year

2017

Just Land Value:	\$32,000
Just Improvement Value:	\$0
Total Just Value:	\$32,000
New Construction:	\$0
Addition Value	\$0
Demolition Value	\$0
Save Our Homes Savings	\$0
Non Homestead Cap Savings:	\$0
Market Value of Classified Use Land:	\$0
Classified Use Value	\$0
Total Assessed Value	\$32,000

**Previous Year Values**

Previous Year Just Value	\$32,000
Previous Year Assessed Value:	\$32,000
Previous Year Cap Value:	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August

**Non-Ad Valorem Assessments**

Levying Authority	
NORTH RIVER FIRE RESC	\$ .00

**Exemptions**

1 of 2

Account#	2699200008
Exemption Code	8600
Description	MANATEE CTY PUBLIC SCHOOL
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY FL
Year	2009
Override Flag	
Override Type	

**Sales**

1 of 12

Account#	2699200008
Date	05-AUG-2009
Sale Amount	\$1,239,600
Vacant/Improved Indicator	Improved
Qualification Code	18
Qualification Code Description	DISQ-GOVERNMNT/COURTS/SHERIFFS/EDUCATION
Book	2308
Page	7919
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY FL
Grantor Name	PALMETTO CITY OF COMMUNITY REDEVELOPMENT
Deed Type	SW-SPECIAL WARRANTY DEED
Sales Key	1960003

**Legal**

Description	LOTS 2,3 ROBINSON & BRUNJES SUB TOGETHER WITH THE W 1/2 OF VACATED RD LYING E OF ABOVE PARCEL PER ORDINANCE NO. 09-994 DTD 06/01/09 REC IN OR 2301/1061 & CORRECTIVE REC IN OR 2313/249 PI#26992 0000/8
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**Permits**

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Account#	2699200008
Number	846935
Permit Code	CRA
Type Description	
Application Date	13-OCT-1993
CO Date	
Description Line	CONSTRUCT 12'X12' WOOD P T, DECK PATIO

**Market Land Lines**

Account#	2699200008
Square Feet	20706
Acres	.4753
Influence Code 1	
Influence Code 2	

PARID: 2699300055

SCHOOL BOARD OF MANATEE COUNTY FL

835 9TH AVE W

## ID Block

Account#	2699300055
T/R/S	34S / 17E / 14
Primary Address Location	835 9TH AVE W, PALMETTO, FL 34221-4618
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8300
DOR Description	Govt Owned Public County School (1555)
Neighborhood Name	PALMETTO PTSW 1/4 OF 14/34/17
Neighborhood Number	1065
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	01
Zone/Field Reference	R4
Route Number	191
Map ID	4B14 6
Acres (If Available)	3728
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	2
Living/Business area	0
Total Under Roof	0
Unit Desc	
Short Legal Desc	LOT 4 ROBINSON & BRUNJES SUB ALSO BEGIN 200 FT N OF THE NE COR OF LOT 1 BLK 5 ZEHNDERS ADD (DB G PG 812) PRMCF, TH N 29 FT TH W 203 FT TH S 29 FT; TH E 203 FT TO THE POB
Unit #	
Lot ID	4
Block ID	5
Subdivision Number	2698800
Subdivision Name	ROBINSON & BRUNJES
City/County Tax District	0019
Tax District Name	0019 - PALMETTO

TPP Current Year Date Filed

TPP Current Year Extension Request

## Owners

Owner	SCHOOL BOARD OF MANATEE COUNTY FL
Owner Type	GV GOVERNMENT
Address	215 MANATEE AVE W

City	BRADENTON
State	FL
Zip Code	34205 8897
International Postal Code	
Country	

Total Value

Latest Certified Values \*\*

Tax Year

2017

Just Land Value:	\$28,000
Just Improvement Value	\$0
Total Just Value	\$28,000
New Construction:	\$0
Addition Value:	\$0
Demolition Value:	\$0
Save Our Homes Savings.	\$0
Non Homestead Cap Savings	\$0
Market Value of Classified Use Land	\$0
Classified Use Value:	\$0
Total Assessed Value:	\$28,000

**Previous Year Values**

Previous Year Just Value	\$28,000
Previous Year Assessed Value	\$28,000
Previous Year Cap Value	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August

**Non-Ad Valorem Assessments**

Levying Authority	
NORTH RIVER FIRE RESC	\$ .00

**Exemptions** 1 of 2

Account#	2699300055
Exemption Code	8600
Description	MANATEE CTY PUBLIC SCHOOL
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY FL
Year	2009
Override Flag	
Override Type	

**Sales** 1 of 4

Account#	2699300055
Date	05-AUG-2009
Sale Amount	\$1,239,600
Vacant/Improved Indicator	Improved
Qualification Code	18
Qualification Code Description	DISQ-GOVERNMNT/COURTS/SHERIFFS/EDUCATION
Book	2308
Page	7919
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY FL
Grantor Name	CITY OF PALMETTO COMMUNITY REDEVELOPMENT
Deed Type	SW-SPECIAL WARRANTY DEED
Sales Key	1960004

**Legal**

Description	LOT 4 ROBINSON & BRUNJES SUB ALSO BEGIN 200 FT N OF THE NE COR OF LOT 1 BLK 5 ZEHNERS ADD (DB G PG 812) PRMCF; TH N 29 FT; TH W 203 FT; TH S 29 FT; TH E 203 FT TO THE POB TOGETHER WITH THE W 1/2 OF VACATED RD LYING E OF ABOVE
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PARCEL PER ORDINANCE NO 09-994 DTD 06/01/09 REC IN OR 2301/1061 & CORRECTIVE  
REC IN OR 2313/249 PI#26993 0005/5

**Market Land Lines**

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Account#	2699300055
Square Feet	16240
Acres	.3728
Influence Code 1	
Influence Code 2	

PARID: 2705200109

SCHOOL BOARD OF MANATEE COUNTY

801 9TH AVE W

## ID Block

Account#	2705200109
T/R/S	34S / 17E / 14
Primary Address Location	801 9TH AVE W, PALMETTO, FL 34221-4618
Jurisdiction	PALMETTO
Exemption/Classification	Governmental
DOR Use Code	8300
DOR Description	Govt Owned Public County School (1555)
Neighborhood Name	PALMETTO PWSW 1/4 OF 14/34/17
Neighborhood Number	1065
CRA District	P-PALMETTO CRA
CDD District	
Neighborhood Group	
Market Area	01
Zone/Field Reference	R4
Route Number	188
Map ID	4B14 6
Acres (If Available)	2944
Size Disclaimer	Sq foot estimates derived from rounded exterior wall measurements
Number of Units	1
Living/Business area	2244
Total Under Roof	4895
Unit Desc	
Short Legal Desc	LOTS 3,4 SUB OF LOT 1 BLK 5 ZEHNER ADD ROBINSONS RESUB; LESS 3/4 INT MIN RTS PER OR 2314/6720. PI#27052 0010/9
Unit #	
Lot ID	1
Block ID	5
Subdivision Number	2704900
Subdivision Name	W E ROBINSON'S RESUBDIVIDED
City/County Tax District	0019
Tax District Name	0019 - PALMETTO

TPP Current Year Date Filed

TPP Current Year Extension Request

## Owners

Owner	SCHOOL BOARD OF MANATEE COUNTY
Owner Type	GV. GOVERNMENT
Address	2802 B 27TH ST E

City	BRADENTON
State	FL
Zip Code	34208 7405
International Postal Code	
Country	

Total Value

Latest Certified Values \*\*

Tax Year.	2017
Just Land Value	\$20,500

Just Improvement Value:	\$112,877
Total Just Value:	\$133,377
New Construction:	\$0
Addition Value:	\$0
Demolition Value:	\$0
Save Our Homes Savings:	\$0
Non Homestead Cap Savings:	\$17,111
Market Value of Classified Use Land:	\$0
Classified Use Value:	\$0
Total Assessed Value:	\$133,377

**Previous Year Values**

Previous Year Just Value	\$105,696
Previous Year Assessed Value:	\$105,696
Previous Year Cap Value:	\$0

\*\*Values are not warranted and are subject to change until TRIM notices are mailed in August.

**Non-Ad Valorem Assessments**

Levying Authority	
NORTH RIVER FIRE RESC	\$ .00

**Exemptions** 1 of 2

Account#	2705200109
Exemption Code	10CAP
Description	10% CAPPED SAVINGS
Owner with Exemption	SCHOOL BOARD OF MANATEE COUNTY
Year	2010
Override Flag	
Override Type	

**Sales**

Account#	2705200109
Date	29-JAN-2009
Sale Amount	\$1
Vacant/Improved Indicator	Improved
Qualification Code	11
Qualification Code Description	DISQ-CORR/QC/TAX/NO STAMPS
Book	2314
Page	6720
Grantee Name	SCHOOL BOARD OF MANATEE COUNTY
Grantor Name	TIITF/STATE OF FLORIDA
Deed Type	QC-QUIT CLAIM DEED
Sales Key	1983855

**Legal**

Description	LOTS 3,4 SUB OF LOT 1 BLK 5 ZEHNER ADD ROBINSONS RESUB; LESS 3/4 INT MIN RTS PER OR 2314/6720, PI#27052.0010/9
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**Market Land Lines**

Account#	2705200109
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Square Feet	12824
Acres	.2944
Influence Code 1	
Influence Code 2	

**Commercial**

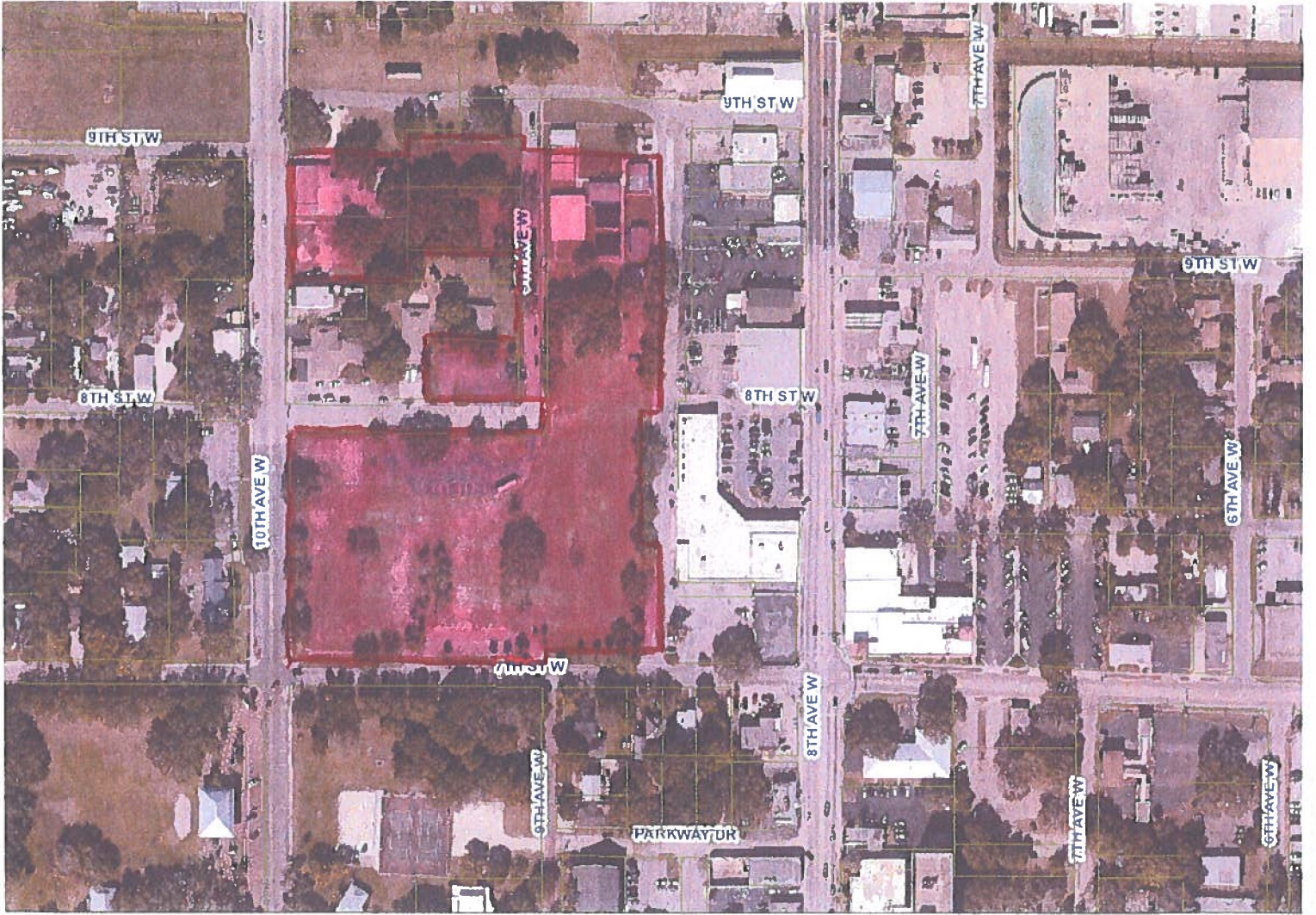
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Account#	2705200109
Building Number	0001
Improvement Name	
Year Built	1965
Units	
Structure Code	353
Description	OFFICE BLDG L/R 1-4S
Card	1
Total Under Roof	4895
Business Living Area	2244
Exterior Wall	WS WOOD & SHEATHING
Roof Material	SM SHEET METAL
Roof Type	HG HIP AND/OR GABLE

**OBY**1 of 2

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Account#	2705200109
Card	1
Code	SHL
Description	SHED-LOW
Year Built	1987
Width	
Length	
Area	1080
Units	1

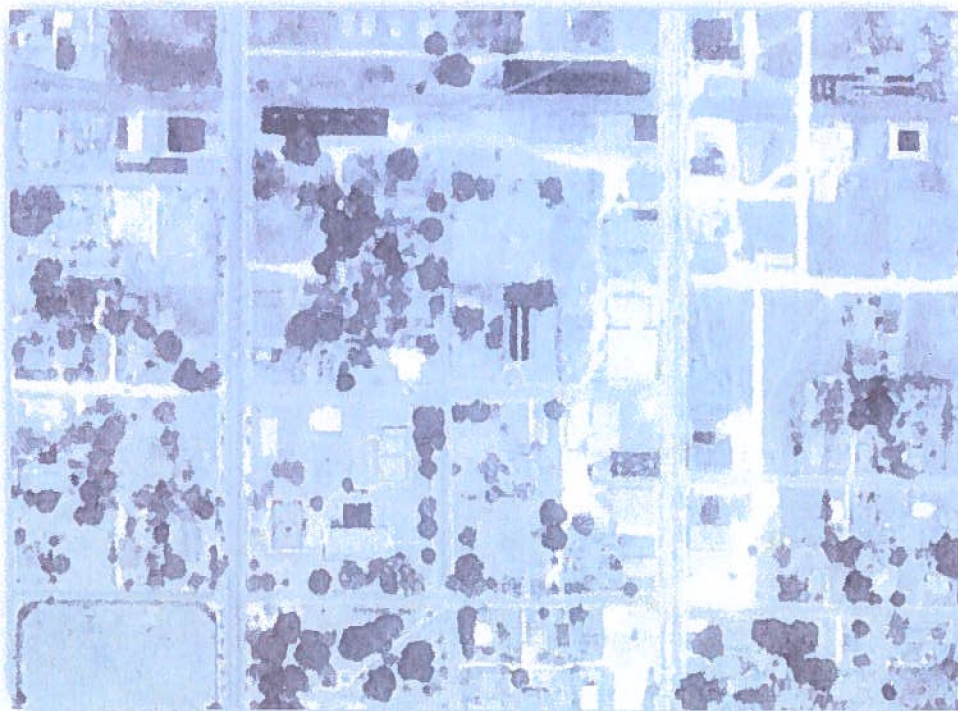




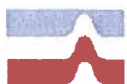
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1940



1951



Ardaman & Associates, Inc.

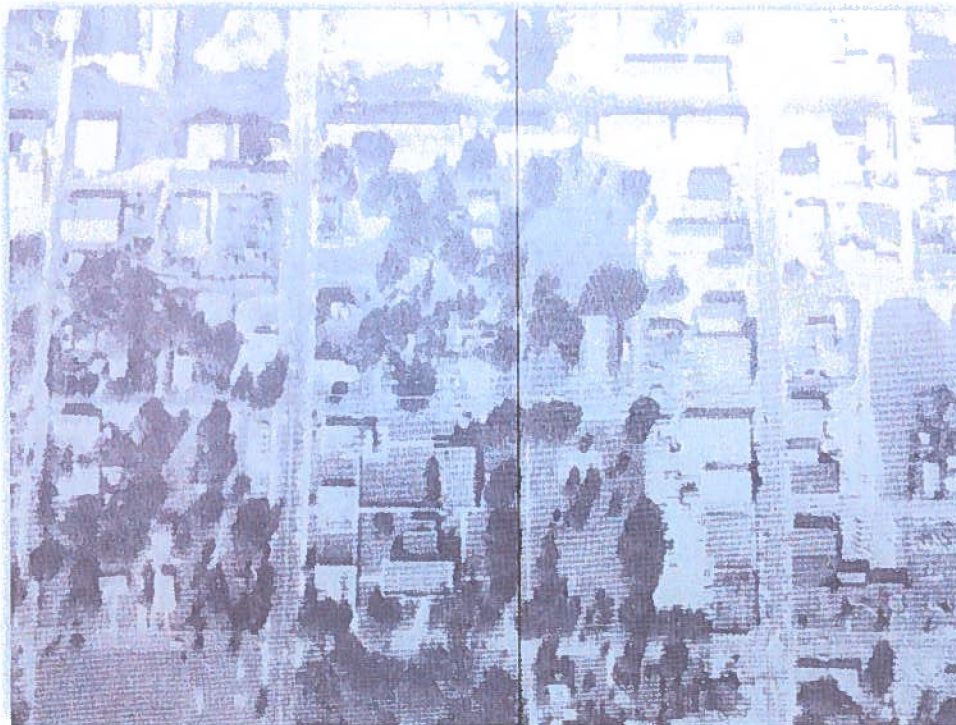
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1957



1965

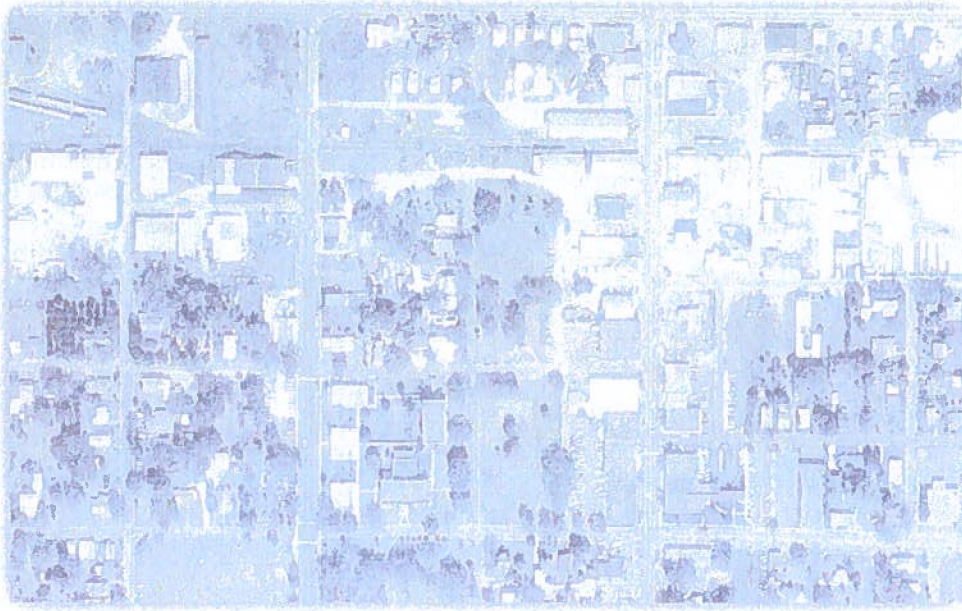


Ardaman & Associates, Inc.

AAI 17-36-8322



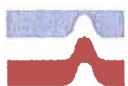
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1973



1975



Ardaman & Associates, Inc.

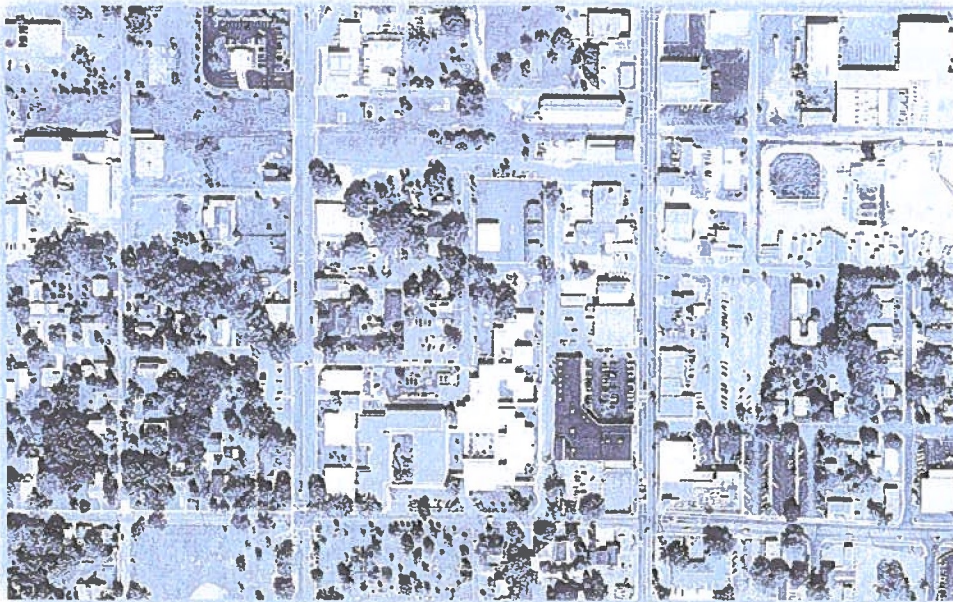
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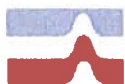
# AERIALS



1984



1994

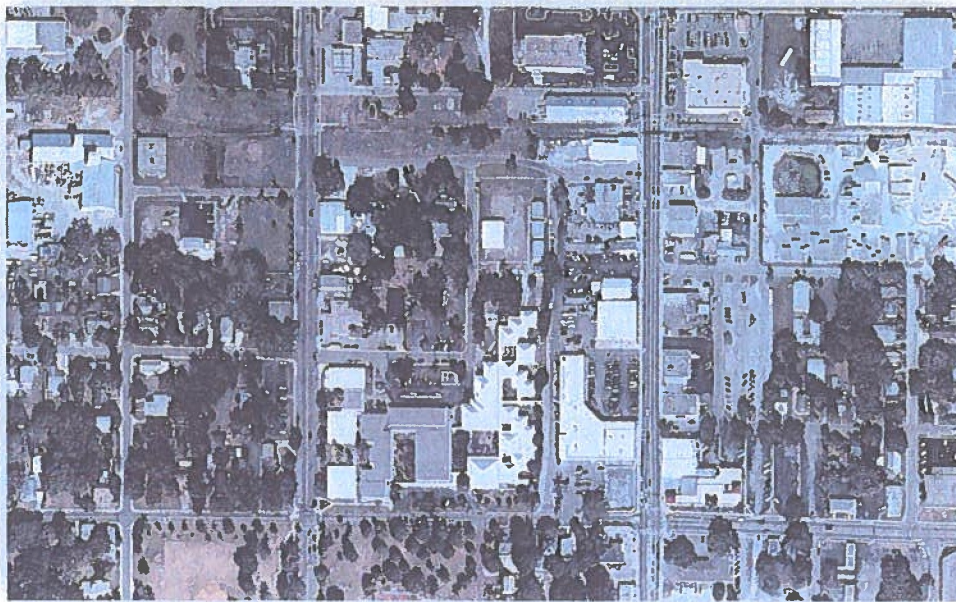


Ardaman & Associates, Inc.

AAI 17-36-8322



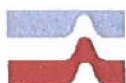
# AERIALS



2003



2010

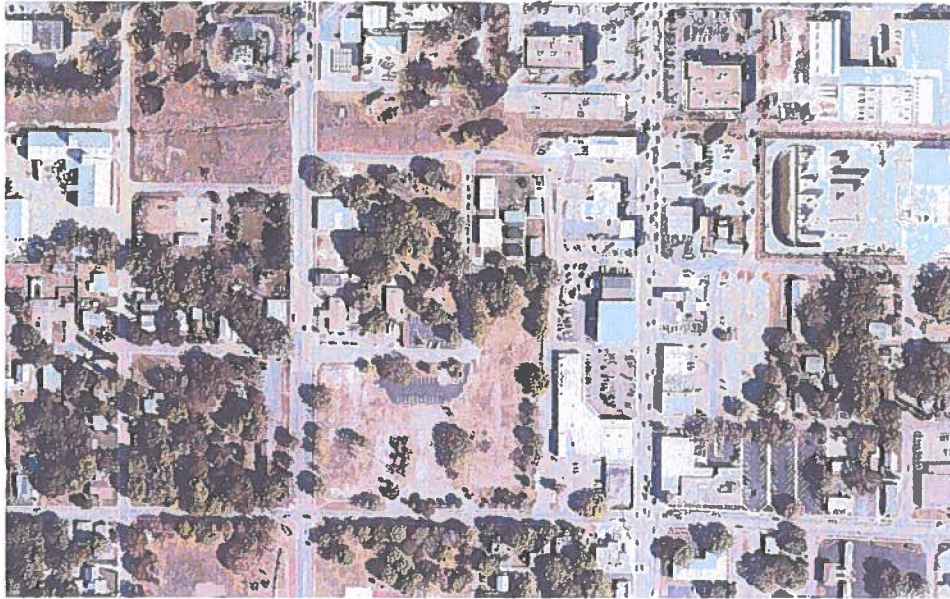


Ardaman & Associates, Inc.

AAI 17-36-8322



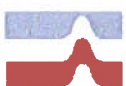
# AERIALS



2013



2017



Ardaman & Associates, Inc.

AAI 17-36-8322

**APPENDIX 16.5**  
**REGULATORY RECORDS DOCUMENTATION**

**Six Parcels, City of Palmetto**

1540 10th Street West

Palmetto, FL 34221

Inquiry Number: 5316666.2s

May 30, 2018



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

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

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## EXECUTIVE SUMMARY

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

### **TARGET PROPERTY INFORMATION**

#### **ADDRESS**

1540 10TH STREET WEST  
PALMETTO, FL 34221

#### **COORDINATES**

Latitude (North):	27.5189010 - 27° 31' 8.04"
Longitude (West):	82.5745360 - 82° 34' 28.32"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	344491.3
UTM Y (Meters):	3044728.2
Elevation:	12 ft. above sea level

### **USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY**

Target Property:	TP
Source:	U.S. Geological Survey

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

Portions of Photo from:	20150510, 20150511
Source:	USDA

# MAPPED SITES SUMMARY

Target Property Address:  
1540 10TH STREET WEST  
PALMETTO, FL 34221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	PALMETTO ECONOMIC EN		BROWNFIELDS	Same	1 ft.
1	MANATEE CNTY SCHOOL	719 9TH AVE W	UST	Higher	1 ft.
2	PALMETTO - HISTORICA	705 - 715 10TH AVENU	US BROWNFIELDS, FINDS	Lower	122, 0.023, WSW
A3	FL DEPT OF TRANSPORT	829 8TH AVE W	UST	Higher	186, 0.035, ENE
B4	J & S AUTO REPAIR	639 8TH AVE W	EDR Hist Auto	Higher	195, 0.037, SE
B5	MAC'S AUTO CLINIC	639 8TH AVE W	LUST, UST	Higher	195, 0.037, SE
B6	THE KUSTOM SHOP	639 8TH AVE W	RCRA-CESQG	Higher	195, 0.037, SE
7	MICHAEL CLEANER	737 8TH AVE W	EDR Hist Cleaner	Higher	204, 0.039, ESE
B8	CONSERVATION CONSULT	726 8TH AVE W	RCRA NonGen / NLR	Higher	274, 0.052, ESE
A9	WHITES STEVE MOBIL S	824 8TH AVE W	EDR Hist Auto	Higher	317, 0.060, East
A10	TEXACO - STEVE WHITE	824 8TH AVE W	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Higher	317, 0.060, East
C11	PALMETTO PETRO LLC	920 10TH AVE W	UST, Financial Assurance	Lower	380, 0.072, NNW
C12	NO 1 DISCOUNT	920 10TH AVE W	EDR Hist Auto	Lower	380, 0.072, NNW
D13	PALMETTO CITY-PAPAK	931 8TH AVE W	UST	Lower	445, 0.084, NE
D14	GUSTAV GLUECK	936 8TH AVE WEST	EDR Hist Auto	Lower	462, 0.087, NE
15	MANATEE RURAL HEALTH	700 8TH AVENUE WEST	US BROWNFIELDS, FINDS	Higher	496, 0.094, ESE
E16	HARLEE FARMS	921 11TH AVE W	AST	Lower	505, 0.096, WNW
D17	PALMETTO CITY-GLUECK	930 W 8TH AVE	LUST, UST, DWM CONTAM, Financial Assurance	Higher	508, 0.096, NE
C18	PROPOSED DOLLAR GENE	1001 10TH STREET WES	INST CONTROL, DWM CONTAM, RESP PARTY	Lower	519, 0.098, NW
F19	600 8TH & 525 7TH AV	600 8TH AVENUE W	US BROWNFIELDS, FINDS	Higher	522, 0.099, SE
D20	CVS PHARMACY #3111	945 8TH AVE W	RCRA-CESQG	Higher	523, 0.099, NE
C21	FRONTIER FL LLC-PALM	932 10TH ST W	AST	Lower	549, 0.104, North
D22	HARMONS AUTOMOTIVE S	1001 8TH AVE W	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Lower	561, 0.106, NNE
D23	HARMONS SERVICE STAT	1001 8TH AVE W	RCRA-CESQG	Lower	561, 0.106, NNE
D24	HARMON'S SERVICE STA	1001 8TH AVE W	RCRA-CESQG	Lower	561, 0.106, NNE
D25	WALGREENS #04812	930 8TH AVE W	RCRA-CESQG	Lower	573, 0.109, NE
C26	RANDYS AUTOMOTIVE CE	1004 10TH ST W	EDR Hist Auto	Lower	601, 0.114, NNW
D27	HARMON AUTOMOTIVE	1001 8TH AVE W	EDR Hist Auto	Lower	610, 0.116, NNE
D28	MIKES CLEANERS	1000 8TH AVE W	EDR Hist Cleaner	Lower	629, 0.119, NNE
D29	WEBER PROPERTY	1004 8TH AVE W	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Lower	713, 0.135, NNE
G30	COURTESY CLEANERS	1003 8TH AVE W	RCRA NonGen / NLR	Lower	717, 0.136, NNE
F31		516 8TH AVE. W.	DEDB	Higher	753, 0.143, SSE
E32	PALMETTO HEARTLAND V	WEST OF 917 11TH AVE	US BROWNFIELDS	Lower	773, 0.146, WNW
E33	PRODUCERS FERTILIZER	917 11TH AVE W	LUST, UST	Lower	773, 0.146, WNW
34	CEMEX - PALMETTO REA	600 9TH ST W	LUST, UST, AST, AIRS, CLEANUP SITES, DWM CONTAM,...	Lower	784, 0.148, ENE
H35	FORMER OLYMPIA THEAT	512 10TH AVENUE WEST	US BROWNFIELDS	Higher	799, 0.151, SSW
G36	HAYES OIL CO	1030 8TH AVE W	LUST, UST	Lower	804, 0.152, NNE
H37	PALMETTO - 5TH STREE	924 & 930 5TH STREET	US BROWNFIELDS, FINDS	Higher	829, 0.157, South
G38	AMOCO STATION-PALMET	1037 8TH AVE W	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Lower	866, 0.164, NNE



# MAPPED SITES SUMMARY

Target Property Address:  
1540 10TH STREET WEST  
PALMETTO, FL 34221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H39	PALMETTO - 5TH STREE	923 5TH STREET WEST	RCRA-CESQG, US BROWNFIELDS, FINDS	Higher	897, 0.170, South
I40	DARRELL'S AUTO CARE	619 6TH AVENUE W.	SWF/LF	Higher	949, 0.180, ESE
41	PALMETTO CITY-POLICE	1115 10TH ST W	LUST, UST, DWM CONTAM	Lower	996, 0.189, WNW
42	FIRST BAPTIST CHURCH	1021 5TH ST W	UST	Higher	1001, 0.190, SSW
J43	BP-REGATTA POINTE	440 8TH AVE W	LUST, UST, Financial Assurance	Higher	1096, 0.208, SSE
J44	CHEVRON #48000-LADDI	440 8TH AVE W	AST, TANKS, CLEANUP SITES, DWM CONTAM	Higher	1096, 0.208, SSE
45	PUBLIX SUPER MARKET	1101 8TH AVE W	AST	Lower	1109, 0.210, NNE
I46	KASH - N - KARRY	515 7TH ST W	RCRA-CESQG	Higher	1162, 0.220, ESE
I47	KASH N KARRY FOOD ST	515 7TH ST W	UST	Higher	1162, 0.220, ESE
I48	DEVCO #454	515 7TH ST W	LUST, UST, CLEANUP SITES, DWM CONTAM	Higher	1162, 0.220, ESE
I49	WINN-DIXIE #2448	515 7TH ST W	RCRA-CESQG	Higher	1162, 0.220, ESE
50	PACIFIC TOMATO GROWE	503 10TH ST	UST, AST, Financial Assurance, NPDES	Lower	1166, 0.221, ENE
K51	THORNTON MAZDA	405 8TH AVE W	LUST, UST, Financial Assurance	Higher	1179, 0.223, South
K52	THORNTON MAZDA	405 8TH AVE W	RCRA-CESQG, FINDS, ECHO	Higher	1179, 0.223, South
L53	CLUB KIT INC	410 10TH AVE W	RCRA NonGen / NLR	Higher	1212, 0.230, South
L54	AMERICRAFT CORP	904 4TH ST W	RCRA NonGen / NLR	Higher	1267, 0.240, South
L55	AMERICRAFT	904 4TH ST W	RCRA-CESQG, FINDS, ECHO	Higher	1267, 0.240, South
56	WEST COAST TOMATO, L	502 6TH AVENUE, W.	SWF/LF	Lower	1397, 0.265, SE
57	PALMETTO - 336 10TH	336 10TH AVENUE WEST	US BROWNFIELDS, FINDS	Lower	1616, 0.306, South
58	T.W. ELMORE, INC.	1200 13TH AVENUE, W.	SWF/LF	Lower	1634, 0.309, NW
59	CITY OF PALMETTO DDM	1010 13TH AVE DRIVE	SWF/LF	Lower	1670, 0.316, NW
M60	RIVERSIDE NORTH PROP	325 8TH AVENUE WEST	VCP, BROWNFIELDS, RESP PARTY	Lower	1676, 0.317, South
N61	PALMETTO 4TH STREET	510 4TH STREET	US BROWNFIELDS	Lower	1719, 0.326, SE
N62	EDENFIELD PROPERTY	505 WEST 5TH STREET	DWM CONTAM, RESP PARTY	Lower	1800, 0.341, SE
N63	EDENFIELD PROPERTY	505 WEST 5TH STREET	VCP	Lower	1800, 0.341, SE
N64	PALMETTO ECONOMIC EN	505 5TH STREET WEST	BROWNFIELDS	Lower	1800, 0.341, SE
65	DIZZY PEACOCK #308	1318 10TH ST W	LUST, UST, Financial Assurance	Lower	1822, 0.345, WNW
M66	PALMETTO - RIVERSIDE	834 RIVERSIDE DR, 32	US BROWNFIELDS, FINDS	Lower	1823, 0.345, South
M67	CIRCLE K #2211025	301 8TH AVE	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Lower	1857, 0.352, South
O68	CITGO-TERRA CEIA #69	1240 8TH AVE W	LUST, UST, CLEANUP SITES, DWM CONTAM, Financial...	Lower	1871, 0.354, NNE
69	JET #09039	404 10TH ST W	LUST, UST	Lower	1885, 0.357, ENE
M70	PALMETTO - SHELL STA	301 8TH AVENUE WEST	US BROWNFIELDS	Lower	1893, 0.359, South
M71	FORMER RIVERSIDE SHE	301 WEST 8TH AVENUE	VCP, BROWNFIELDS, CLEANUP SITES, RESP PARTY	Lower	1902, 0.360, South
72	PALMETTO - RIVERSIDE	908 RIVERSIDE DRIVE	US BROWNFIELDS, FINDS	Lower	1913, 0.362, South
N73	FORMER EDENFIELD PRO	505 5TH STREET WEST	US BROWNFIELDS	Lower	1947, 0.369, SE
O74	CENTRAL FLORIDA FABR	1304 8TH AVE W	PRIORITYCLEANERS, FINDS, ECHO, CLEANUP SITES,...	Lower	2139, 0.405, NNE
75	DIAZ LANDSCAPE MAINT	1412 5TH STREET W	SWF/LF	Lower	2251, 0.426, WSW
76	REGATTA POINTE MARIN	1005 RIVERSIDE DR	LUST, UST, Financial Assurance, NPDES	Lower	2513, 0.476, South
77	BAKER WILLIAM A	1301 RIVERSIDE DR	LUST, UST, CLEANUP SITES, DWM CONTAM	Lower	2518, 0.477, SW

MAPPED SITES SUMMARY

Target Property Address:  
1540 10TH STREET WEST  
PALMETTO, FL 34221

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
78	PALMETTO TIRE SERVIC	215 10TH ST W	SWF/LF	Lower	2538, 0.481, ENE

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

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

### 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-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 10 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE KUSTOM SHOP	639 8TH AVE W	SE 0 - 1/8 (0.037 mi.)	B6	9
CVS PHARMACY #3111	945 8TH AVE W	NE 0 - 1/8 (0.099 mi.)	D20	13
<b><i>PALMETTO - 5TH STREE</i></b>	<b><i>923 5TH STREET WEST</i></b>	<b><i>S 1/8 - 1/4 (0.170 mi.)</i></b>	<b><i>H39</i></b>	<b><i>19</i></b>
KASH - N - KARRY	515 7TH ST W	ESE 1/8 - 1/4 (0.220 mi.)	I46	22
WINN-DIXIE #2448	515 7TH ST W	ESE 1/8 - 1/4 (0.220 mi.)	I49	23
<b><i>THORNTON MAZDA</i></b>	<b><i>405 8TH AVE W</i></b>	<b><i>S 1/8 - 1/4 (0.223 mi.)</i></b>	<b><i>K52</i></b>	<b><i>24</i></b>
<b><i>AMERICRAFT</i></b>	<b><i>904 4TH ST W</i></b>	<b><i>S 1/8 - 1/4 (0.240 mi.)</i></b>	<b><i>L55</i></b>	<b><i>25</i></b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HARMONS SERVICE STAT	1001 8TH AVE W	NNE 0 - 1/8 (0.106 mi.)	D23	14
HARMON'S SERVICE STA	1001 8TH AVE W	NNE 0 - 1/8 (0.106 mi.)	D24	14
WALGREENS #04812	930 8TH AVE W	NE 0 - 1/8 (0.109 mi.)	D25	14

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

SWF/LF: A review of the SWF/LF list, as provided by EDR, has revealed that there are 6 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DARRELL'S AUTO CARE	619 6TH AVENUE W.	ESE 1/8 - 1/4 (0.180 mi.)	I40	19
Database: SWF/LF, Date of Government Version: 04/16/2018				

## EXECUTIVE SUMMARY

Class Status: INACTIVE (I)  
Facility-Site Id: 97135

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST COAST TOMATO, L Database: SWF/LF, Date of Government Version: 04/16/2018 Class Status: REGISTERED (R) Facility-Site Id: 97084	502 6TH AVENUE, W.	SE 1/4 - 1/2 (0.265 mi.)	56	25
T.W. ELMORE, INC. Database: SWF/LF, Date of Government Version: 04/16/2018 Class Status: INACTIVE (I) Facility-Site Id: 97448	1200 13TH AVENUE, W.	NW 1/4 - 1/2 (0.309 mi.)	58	25
CITY OF PALMETTO DDM Database: SWF/LF, Date of Government Version: 04/16/2018 Class Status: INACTIVE (I) Facility-Site Id: 104805	1010 13TH AVE DRIVE	NW 1/4 - 1/2 (0.316 mi.)	59	26
DIAZ LANDSCAPE MAINT Database: SWF/LF, Date of Government Version: 04/16/2018 Class Status: REGISTERED (R) Facility-Site Id: 97816	1412 5TH STREET W	WSW 1/4 - 1/2 (0.426 mi.)	75	31
PALMETTO TIRE SERVIC Database: SWF/LF, Date of Government Version: 04/16/2018 Class Status: INACTIVE (I) Facility-Site Id: 100425	215 10TH ST W	ENE 1/4 - 1/2 (0.481 mi.)	78	33

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

LUST: A review of the LUST list, as provided by EDR, and dated 04/09/2018 has revealed that there are 19 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MAC'S AUTO CLINIC</b> Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8842252	<b>639 8TH AVE W</b>	<b>SE 0 - 1/8 (0.037 mi.)</b>	<b>B5</b>	<b>9</b>
<b>TEXACO - STEVE WHITE</b> Discharge Cleanup Status: SA - SA ONGOING Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED Facility Status: CLOSED Facility-Site Id: 8623972	<b>824 8TH AVE W</b>	<b>E 0 - 1/8 (0.060 mi.)</b>	<b>A10</b>	<b>10</b>
<b>PALMETTO CITY-GLUECK</b> Discharge Cleanup Status: SA - SA ONGOING Facility Status: CLOSED Facility-Site Id: 9202319	<b>930 W 8TH AVE</b>	<b>NE 0 - 1/8 (0.096 mi.)</b>	<b>D17</b>	<b>12</b>
<b>BP-REGATTA POINTE</b> Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA Facility Status: OPEN	<b>440 8TH AVE W</b>	<b>SSE 1/8 - 1/4 (0.208 mi.)</b>	<b>J43</b>	<b>20</b>

## EXECUTIVE SUMMARY

Facility-Site Id: 8839660

<b>DEVCO #454</b>	<b>515 7TH ST W</b>	<b>ESE 1/8 - 1/4 (0.220 mi.)</b>	<b>I48</b>	<b>22</b>
Discharge Cleanup Status: RA - RA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 8624346				

<b>THORNTON MAZDA</b>	<b>405 8TH AVE W</b>	<b>S 1/8 - 1/4 (0.223 mi.)</b>	<b>K51</b>	<b>23</b>
Discharge Cleanup Status: NFA - NFA COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8624069				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HARMONS AUTOMOTIVE S</b>	<b>1001 8TH AVE W</b>	<b>NNE 0 - 1/8 (0.106 mi.)</b>	<b>D22</b>	<b>13</b>
Discharge Cleanup Status: SA - SA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 8624083				
<b>WEBER PROPERTY</b>	<b>1004 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.135 mi.)</b>	<b>D29</b>	<b>15</b>
Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA				
Facility Status: CLOSED				
Facility-Site Id: 9101670				
<b>PRODUCERS FERTILIZER</b>	<b>917 11TH AVE W</b>	<b>WNW 1/8 - 1/4 (0.146 mi.)</b>	<b>E33</b>	<b>16</b>
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8624121				
<b>CEMEX - PALMETTO REA</b>	<b>600 9TH ST W</b>	<b>ENE 1/8 - 1/4 (0.148 mi.)</b>	<b>34</b>	<b>17</b>
Discharge Cleanup Status: SA - SA ONGOING				
Facility Status: OPEN				
Facility-Site Id: 8624165				
<b>HAYES OIL CO</b>	<b>1030 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.152 mi.)</b>	<b>G36</b>	<b>18</b>
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 9101408				
<b>AMOCO STATION-PALMET</b>	<b>1037 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.164 mi.)</b>	<b>G38</b>	<b>18</b>
Discharge Cleanup Status: SA - SA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 8510749				
<b>PALMETTO CITY-POLICE</b>	<b>1115 10TH ST W</b>	<b>WNW 1/8 - 1/4 (0.189 mi.)</b>	<b>41</b>	<b>20</b>
Discharge Cleanup Status: LNFA - LOW SCORE SITE INITIATIVE NO FURTHER ACTION				
Facility Status: CLOSED				
Facility-Site Id: 9102615				
<b>DIZZY PEACOCK #308</b>	<b>1318 10TH ST W</b>	<b>WNW 1/4 - 1/2 (0.345 mi.)</b>	<b>65</b>	<b>27</b>
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8624230				
<b>CIRCLE K #2211025</b>	<b>301 8TH AVE</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>M67</b>	<b>28</b>
Discharge Cleanup Status: SA - SA ONGOING				
Discharge Cleanup Status: RA - RA ONGOING				
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED				
Facility Status: CLOSED				
Facility-Site Id: 8510744				
<b>CITGO-TERRA CEIA #69</b>	<b>1240 8TH AVE W</b>	<b>NNE 1/4 - 1/2 (0.354 mi.)</b>	<b>O68</b>	<b>29</b>

## EXECUTIVE SUMMARY

Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
 Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA  
 Facility Status: OPEN  
 Facility-Site Id: 8623981

<b>JET #09039</b>	<b>404 10TH ST W</b>	<b>ENE 1/4 - 1/2 (0.357 mi.)</b>	<b>69</b>	<b>29</b>
Discharge Cleanup Status: NFA - NFA COMPLETE				
Facility Status: CLOSED				
Facility-Site Id: 8623835				
<b>REGATTA POINTE MARIN</b>	<b>1005 RIVERSIDE DR</b>	<b>S 1/4 - 1/2 (0.476 mi.)</b>	<b>76</b>	<b>32</b>
Discharge Cleanup Status: NFA - NFA COMPLETE				
Discharge Cleanup Status: SRCR - SRCR COMPLETE				
Facility Status: OPEN				
Facility-Site Id: 9046559				
<b>BAKER WILLIAM A</b>	<b>1301 RIVERSIDE DR</b>	<b>SW 1/4 - 1/2 (0.477 mi.)</b>	<b>77</b>	<b>32</b>
Discharge Cleanup Status: RA - RA ONGOING				
Facility Status: CLOSED				
Facility-Site Id: 8840645				

### State and tribal registered storage tank lists

UST: A review of the UST list, as provided by EDR, has revealed that there are 20 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANATEE CNTY SCHOOL Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Tank Status: U Facility-Site Id: 8841969 Facility Status: OPEN	719 9TH AVE W	0 - 1/8 (0.000 mi.)	1	8
FL DEPT OF TRANSPORT Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 9800585 Facility Status: CLOSED	829 8TH AVE W	ENE 0 - 1/8 (0.035 mi.)	A3	8
MAC'S AUTO CLINIC Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8842252 Facility Status: CLOSED	639 8TH AVE W	SE 0 - 1/8 (0.037 mi.)	B5	9
TEXACO - STEVE WHITE Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8623972 Facility Status: CLOSED	824 8TH AVE W	E 0 - 1/8 (0.060 mi.)	A10	10
PALMETTO CITY-GLUECK Database: UST, Date of Government Version: 04/09/2018 Tank Status: B	930 W 8TH AVE	NE 0 - 1/8 (0.096 mi.)	D17	12

## EXECUTIVE SUMMARY

Facility-Site Id: 9202319 Facility Status: CLOSED				
FIRST BAPTIST CHURCH	1021 5TH ST W	SSW 1/8 - 1/4 (0.190 mi.)	42	20
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 9801314 Facility Status: CLOSED				
<b>BP-REGATTA POINTE</b>	<b>440 8TH AVE W</b>	<b>SSE 1/8 - 1/4 (0.208 mi.)</b>	<b>J43</b>	<b>20</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Tank Status: D Tank Status: U Facility-Site Id: 8839660 Facility Status: OPEN				
KASH N KARRY FOOD ST	515 7TH ST W	ESE 1/8 - 1/4 (0.220 mi.)	I47	22
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8944561 Facility Status: CLOSED				
<b>DEVCO #454</b>	<b>515 7TH ST W</b>	<b>ESE 1/8 - 1/4 (0.220 mi.)</b>	<b>I48</b>	<b>22</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8624346 Facility Status: CLOSED				
<b>THORNTON MAZDA</b>	<b>405 8TH AVE W</b>	<b>S 1/8 - 1/4 (0.223 mi.)</b>	<b>K51</b>	<b>23</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8624069 Facility Status: CLOSED				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PALMETTO PETRO LLC</b>	<b>920 10TH AVE W</b>	<b>NNW 0 - 1/8 (0.072 mi.)</b>	<b>C11</b>	<b>10</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: U Facility-Site Id: 9102004 Facility Status: OPEN				
PALMETTO CITY-PAPAK	931 8TH AVE W	NE 0 - 1/8 (0.084 mi.)	D13	11
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 9801080 Facility Status: CLOSED				
<b>HARMONS AUTOMOTIVE S</b>	<b>1001 8TH AVE W</b>	<b>NNE 0 - 1/8 (0.106 mi.)</b>	<b>D22</b>	<b>13</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: B Facility-Site Id: 8624083 Facility Status: CLOSED				
<b>WEBER PROPERTY</b>	<b>1004 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.135 mi.)</b>	<b>D29</b>	<b>15</b>
Database: UST, Date of Government Version: 04/09/2018 Tank Status: A Facility-Site Id: 9101670 Facility Status: CLOSED				
<b>PRODUCERS FERTILIZER</b>	<b>917 11TH AVE W</b>	<b>WNW 1/8 - 1/4 (0.146 mi.)</b>	<b>E33</b>	<b>16</b>
Database: UST, Date of Government Version: 04/09/2018				

## EXECUTIVE SUMMARY

Tank Status: B  
Facility-Site Id: 8624121  
Facility Status: CLOSED

**CEMEX - PALMETTO REA** **600 9TH ST W** **ENE 1/8 - 1/4 (0.148 mi.)** **34** **17**

Database: UST, Date of Government Version: 04/09/2018  
Tank Status: B  
Facility-Site Id: 8624165  
Facility Status: OPEN

**HAYES OIL CO** **1030 8TH AVE W** **NNE 1/8 - 1/4 (0.152 mi.)** **G36** **18**

Database: UST, Date of Government Version: 04/09/2018  
Tank Status: B  
Facility-Site Id: 9101408  
Facility Status: CLOSED

**AMOCO STATION-PALMET** **1037 8TH AVE W** **NNE 1/8 - 1/4 (0.164 mi.)** **G38** **18**

Database: UST, Date of Government Version: 04/09/2018  
Tank Status: B  
Facility-Site Id: 8510749  
Facility Status: CLOSED

**PALMETTO CITY-POLICE** **1115 10TH ST W** **WNW 1/8 - 1/4 (0.189 mi.)** **41** **20**

Database: UST, Date of Government Version: 04/09/2018  
Tank Status: B  
Facility-Site Id: 9102615  
Facility Status: CLOSED

**PACIFIC TOMATO GROWE** **503 10TH ST** **ENE 1/8 - 1/4 (0.221 mi.)** **50** **23**

Database: UST, Date of Government Version: 04/09/2018  
Tank Status: B  
Facility-Site Id: 8623994  
Facility Status: CLOSED

AST: A review of the AST list, as provided by EDR, has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEVRON #48000-LADDI</b>	<b>440 8TH AVE W</b>	<b>SSE 1/8 - 1/4 (0.208 mi.)</b>	<b>J44</b>	<b>21</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 8839660				
Facility Status: OPEN				
Facility Status: OPEN				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HARLEE FARMS</b>	<b>921 11TH AVE W</b>	<b>WNW 0 - 1/8 (0.096 mi.)</b>	<b>E16</b>	<b>12</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 8623851				
Facility Status: OPEN				
Facility Status: OPEN				
<b>FRONTIER FL LLC-PALM</b>	<b>932 10TH ST W</b>	<b>N 0 - 1/8 (0.104 mi.)</b>	<b>C21</b>	<b>13</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 9802584				
Facility Status: OPEN				



## EXECUTIVE SUMMARY

Facility Status: OPEN

<b>CEMEX - PALMETTO REA</b>	<b>600 9TH ST W</b>	<b>ENE 1/8 - 1/4 (0.148 mi.)</b>	<b>34</b>	<b>17</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 8624165				
Facility Status: OPEN				
Facility Status: OPEN				
<b>PUBLIX SUPER MARKET</b>	<b>1101 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.210 mi.)</b>	<b>45</b>	<b>21</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 9811716				
Facility Status: OPEN				
Facility Status: OPEN				
<b>PACIFIC TOMATO GROWE</b>	<b>503 10TH ST</b>	<b>ENE 1/8 - 1/4 (0.221 mi.)</b>	<b>50</b>	<b>23</b>
Database: AST, Date of Government Version: 04/09/2018				
Facility-Site Id: 8623994				
Facility Status: CLOSED				
Facility Status: CLOSED				

TANKS: A review of the TANKS list, as provided by EDR, and dated 04/09/2018 has revealed that there is 1 TANKS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHEVRON #48000-LADDI</b>	<b>440 8TH AVE W</b>	<b>SSE 1/8 - 1/4 (0.208 mi.)</b>	<b>J44</b>	<b>21</b>
Facility Status: CLOSED				
Facility ID: 8623908				

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

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 04/02/2018 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PROPOSED DOLLAR GENE</b>	<b>1001 10TH STREET WES</b>	<b>NW 0 - 1/8 (0.098 mi.)</b>	<b>C18</b>	<b>12</b>
Facility-Site Id: COM_332463				

### State and tribal voluntary cleanup sites

VCP: A review of the VCP list, as provided by EDR, and dated 03/20/2018 has revealed that there are 3 VCP sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RIVERSIDE NORTH PROP</b>	<b>325 8TH AVENUE WEST</b>	<b>S 1/4 - 1/2 (0.317 mi.)</b>	<b>M60</b>	<b>26</b>
Status: OPEN				
Comet Site Id: 356101				
<b>EDENFIELD PROPERTY</b>	<b>505 WEST 5TH STREET</b>	<b>SE 1/4 - 1/2 (0.341 mi.)</b>	<b>N63</b>	<b>27</b>

## EXECUTIVE SUMMARY

Comet Site Id: 151357

**301 WEST 8TH AVENUE**

**S 1/4 - 1/2 (0.360 mi.)**

**M71**

**30**

Comet Site Id: 356103

**BROWNFIELDS:** A review of the BROWNFIELDS list, as provided by EDR, has revealed that there are 4 BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RIVERSIDE NORTH PROP</b> Database: BROWNFIELDS, Date of Government Version: 02/25/2018 Database: BSRA, Date of Government Version: 02/21/2018 Site Id: BF411201003 Facility-Site Id: BF411201000 Site Id: BF411201003	<b>325 8TH AVENUE WEST</b>	<b>S 1/4 - 1/2 (0.317 mi.)</b>	<b>M60</b>	<b>26</b>
<b>PALMETTO ECONOMIC EN</b> Database: BROWNFIELDS, Date of Government Version: 02/25/2018 Database: BSRA, Date of Government Version: 02/21/2018 Site Id: BF411201001 Facility-Site Id: BF411201000 Site Id: BF411201001	<b>505 5TH STREET WEST</b>	<b>SE 1/4 - 1/2 (0.341 mi.)</b>	<b>N64</b>	<b>27</b>
<b>FORMER RIVERSIDE SHE</b> Database: BROWNFIELDS, Date of Government Version: 02/25/2018 Database: BSRA, Date of Government Version: 02/21/2018 Site Id: BF411201002 Facility-Site Id: BF411201000 Site Id: BF411201002	<b>301 WEST 8TH AVENUE</b>	<b>S 1/4 - 1/2 (0.360 mi.)</b>	<b>M71</b>	<b>30</b>

### Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 01/19/2018 has revealed that there are 13 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>MANATEE RURAL HEALTH</i>	<i>700 8TH AVENUE WEST</i>	<i>ESE 0 - 1/8 (0.094 mi.)</i>	<i>15</i>	<i>11</i>
<i>600 8TH &amp; 525 7TH AV</i>	<i>600 8TH AVENUE W</i>	<i>SE 0 - 1/8 (0.099 mi.)</i>	<i>F19</i>	<i>13</i>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER OLYMPIA THEAT	512 10TH AVENUE WEST	SSW 1/8 - 1/4 (0.151 mi.)	H35	18
<b>PALMETTO - 5TH STREE</b>	<b>924 &amp; 930 5TH STREET</b>	<b>S 1/8 - 1/4 (0.157 mi.)</b>	<b>H37</b>	<b>18</b>
<b>PALMETTO - 5TH STREE</b>	<b>923 5TH STREET WEST</b>	<b>S 1/8 - 1/4 (0.170 mi.)</b>	<b>H39</b>	<b>19</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PALMETTO - HISTORICA</b>	<b>705 - 715 10TH AVENU</b>	<b>WSW 0 - 1/8 (0.023 mi.)</b>	<b>2</b>	<b>8</b>
PALMETTO HEARTLAND V	WEST OF 917 11TH AVE	WNW 1/8 - 1/4 (0.146 mi.)	E32	16
<b>PALMETTO - 336 10TH</b>	<b>336 10TH AVENUE WEST</b>	<b>S 1/4 - 1/2 (0.306 mi.)</b>	<b>57</b>	<b>25</b>
PALMETTO 4TH STREET	510 4TH STREET	SE 1/4 - 1/2 (0.326 mi.)	N61	26
<b>PALMETTO - RIVERSIDE</b>	<b>834 RIVERSIDE DR, 32</b>	<b>S 1/4 - 1/2 (0.345 mi.)</b>	<b>M66</b>	<b>28</b>
PALMETTO - SHELL STA	301 8TH AVENUE WEST	S 1/4 - 1/2 (0.359 mi.)	M70	30
<b>PALMETTO - RIVERSIDE</b>	<b>908 RIVERSIDE DRIVE</b>	<b>S 1/4 - 1/2 (0.362 mi.)</b>	<b>72</b>	<b>30</b>
FORMER EDENFIELD PRO	505 5TH STREET WEST	SE 1/4 - 1/2 (0.369 mi.)	N73	31

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

PRIORITYCLEANERS: A review of the PRIORITYCLEANERS list, as provided by EDR, and dated 04/04/2018 has revealed that there is 1 PRIORITYCLEANERS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CENTRAL FLORIDA FABR</b> Facility-Site Id: 9501170	<b>1304 8TH AVE W</b>	<b>NNE 1/4 - 1/2 (0.405 mi.)</b>	<b>074</b>	<b>31</b>

### **Other Ascertainable Records**

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONSERVATION CONSULT	726 8TH AVE W	ESE 0 - 1/8 (0.052 mi.)	B8	9
CLUB KIT INC	410 10TH AVE W	S 1/8 - 1/4 (0.230 mi.)	L53	24
AMERICRAFT CORP	904 4TH ST W	S 1/8 - 1/4 (0.240 mi.)	L54	24
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COURTESY CLEANERS	1003 8TH AVE W	NNE 1/8 - 1/4 (0.136 mi.)	G30	16

## EXECUTIVE SUMMARY

DEDB: A review of the DEDB list, as provided by EDR, and dated 04/02/2018 has revealed that there is 1 DEDB site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Well Id: 410002501	516 8TH AVE. W.	SSE 1/8 - 1/4 (0.143 mi.)	F31	16

DWM CONTAM: A review of the DWM CONTAM list, as provided by EDR, and dated 09/30/2017 has revealed that there are 15 DWM CONTAM sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>TEXACO - STEVE WHITE</b> Program Site Id: 8623972	<b>824 8TH AVE W</b>	<b>E 0 - 1/8 (0.060 mi.)</b>	<b>A10</b>	<b>10</b>
<b>PALMETTO CITY-GLUECK</b> Program Site Id: 9202319	<b>930 W 8TH AVE</b>	<b>NE 0 - 1/8 (0.096 mi.)</b>	<b>D17</b>	<b>12</b>
<b>CHEVRON #48000-LADDI</b> Program Site Id: 8839660	<b>440 8TH AVE W</b>	<b>SSE 1/8 - 1/4 (0.208 mi.)</b>	<b>J44</b>	<b>21</b>
<b>DEVCO #454</b> Program Site Id: 8624346	<b>515 7TH ST W</b>	<b>ESE 1/8 - 1/4 (0.220 mi.)</b>	<b>I48</b>	<b>22</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PROPOSED DOLLAR GENE</b> Program Site Id: 332463	<b>1001 10TH STREET WES</b>	<b>NW 0 - 1/8 (0.098 mi.)</b>	<b>C18</b>	<b>12</b>
<b>HARMONS AUTOMOTIVE S</b> Program Site Id: 8624083	<b>1001 8TH AVE W</b>	<b>NNE 0 - 1/8 (0.106 mi.)</b>	<b>D22</b>	<b>13</b>
<b>WEBER PROPERTY</b> Program Site Id: 9101670	<b>1004 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.135 mi.)</b>	<b>D29</b>	<b>15</b>
<b>CEMEX - PALMETTO REA</b> Program Site Id: 8624165	<b>600 9TH ST W</b>	<b>ENE 1/8 - 1/4 (0.148 mi.)</b>	<b>34</b>	<b>17</b>
<b>AMOCO STATION-PALMET</b> Program Site Id: 8510749	<b>1037 8TH AVE W</b>	<b>NNE 1/8 - 1/4 (0.164 mi.)</b>	<b>G38</b>	<b>18</b>
<b>PALMETTO CITY-POLICE</b> Program Site Id: 9102615	<b>1115 10TH ST W</b>	<b>WNW 1/8 - 1/4 (0.189 mi.)</b>	<b>41</b>	<b>20</b>
<b>EDENFIELD PROPERTY</b> Program Site Id: 151357	<b>505 WEST 5TH STREET</b>	<b>SE 1/4 - 1/2 (0.341 mi.)</b>	<b>N62</b>	<b>26</b>
<b>CIRCLE K #2211025</b> Program Site Id: 8510744	<b>301 8TH AVE</b>	<b>S 1/4 - 1/2 (0.352 mi.)</b>	<b>M67</b>	<b>28</b>
<b>CITGO-TERRA CEIA #69</b> Program Site Id: 8623981	<b>1240 8TH AVE W</b>	<b>NNE 1/4 - 1/2 (0.354 mi.)</b>	<b>O68</b>	<b>29</b>
<b>CENTRAL FLORIDA FABR</b> <b>BAKER WILLIAM A</b> Program Site Id: 8840645	<b>1304 8TH AVE W</b> <b>1301 RIVERSIDE DR</b>	<b>NNE 1/4 - 1/2 (0.405 mi.)</b> <b>SW 1/4 - 1/2 (0.477 mi.)</b>	<b>O74</b> <b>77</b>	<b>31</b> <b>32</b>

## EXECUTIVE SUMMARY

RESP PARTY: A review of the RESP PARTY list, as provided by EDR, and dated 04/02/2018 has revealed that there are 4 RESP PARTY sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PROPOSED DOLLAR GENE</b> Site Status: CLOSED	<b>1001 10TH STREET WES</b>	<b>NW 0 - 1/8 (0.098 mi.)</b>	<b>C18</b>	<b>12</b>
<b>RIVERSIDE NORTH PROP</b> Site Status: OPEN	<b>325 8TH AVENUE WEST</b>	<b>S 1/4 - 1/2 (0.317 mi.)</b>	<b>M60</b>	<b>26</b>
<b>EDENFIELD PROPERTY</b> Site Status: OPEN	<b>505 WEST 5TH STREET</b>	<b>SE 1/4 - 1/2 (0.341 mi.)</b>	<b>N62</b>	<b>26</b>
<b>FORMER RIVERSIDE SHE</b> Site Status: OPEN	<b>301 WEST 8TH AVENUE</b>	<b>S 1/4 - 1/2 (0.360 mi.)</b>	<b>M71</b>	<b>30</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 6 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J & S AUTO REPAIR	639 8TH AVE W	SE 0 - 1/8 (0.037 mi.)	B4	8
WHITES STEVE MOBIL S	824 8TH AVE W	E 0 - 1/8 (0.060 mi.)	A9	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NO 1 DISCOUNT	920 10TH AVE W	NNW 0 - 1/8 (0.072 mi.)	C12	11
GUSTAV GLUECK	936 8TH AVE WEST	NE 0 - 1/8 (0.087 mi.)	D14	11
RANDYS AUTOMOTIVE CE	1004 10TH ST W	NNW 0 - 1/8 (0.114 mi.)	C26	15
HARMON AUTOMOTIVE	1001 8TH AVE W	NNE 0 - 1/8 (0.116 mi.)	D27	15

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MICHAEL CLEANER	737 8TH AVE W	ESE 0 - 1/8 (0.039 mi.)	7	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MIKES CLEANERS	1000 8TH AVE W	NNE 0 - 1/8 (0.119 mi.)	D28	15








Count: 1 records.

ORPHAN SUMMARY



City	EDR ID	Site Name	Site Address	Zip	Database(s)
PAUMotu	138998	DANIEL BEAUNE	138998	3421	SWF/LE

The map displays the Port of Los Angeles with a yellow shaded area representing the Fukushima Daiichi nuclear power plant site. Concentric circles indicate the 100-mile radius. Labeled points include 'A' through 'M' and '1' through '35'. The map also shows the 'Seaboard Coast Line Railroad' and 'US 41 Bus S'.

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

A horizontal number line is shown, starting at 0 and ending at 1 Miles. The line is divided into four equal segments by tick marks at 0, 1/4, 1/2, and 1 Miles. The first segment, from 0 to 1/4, is highlighted in yellow.

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

 Upgradient Area  
 FL Brownfield

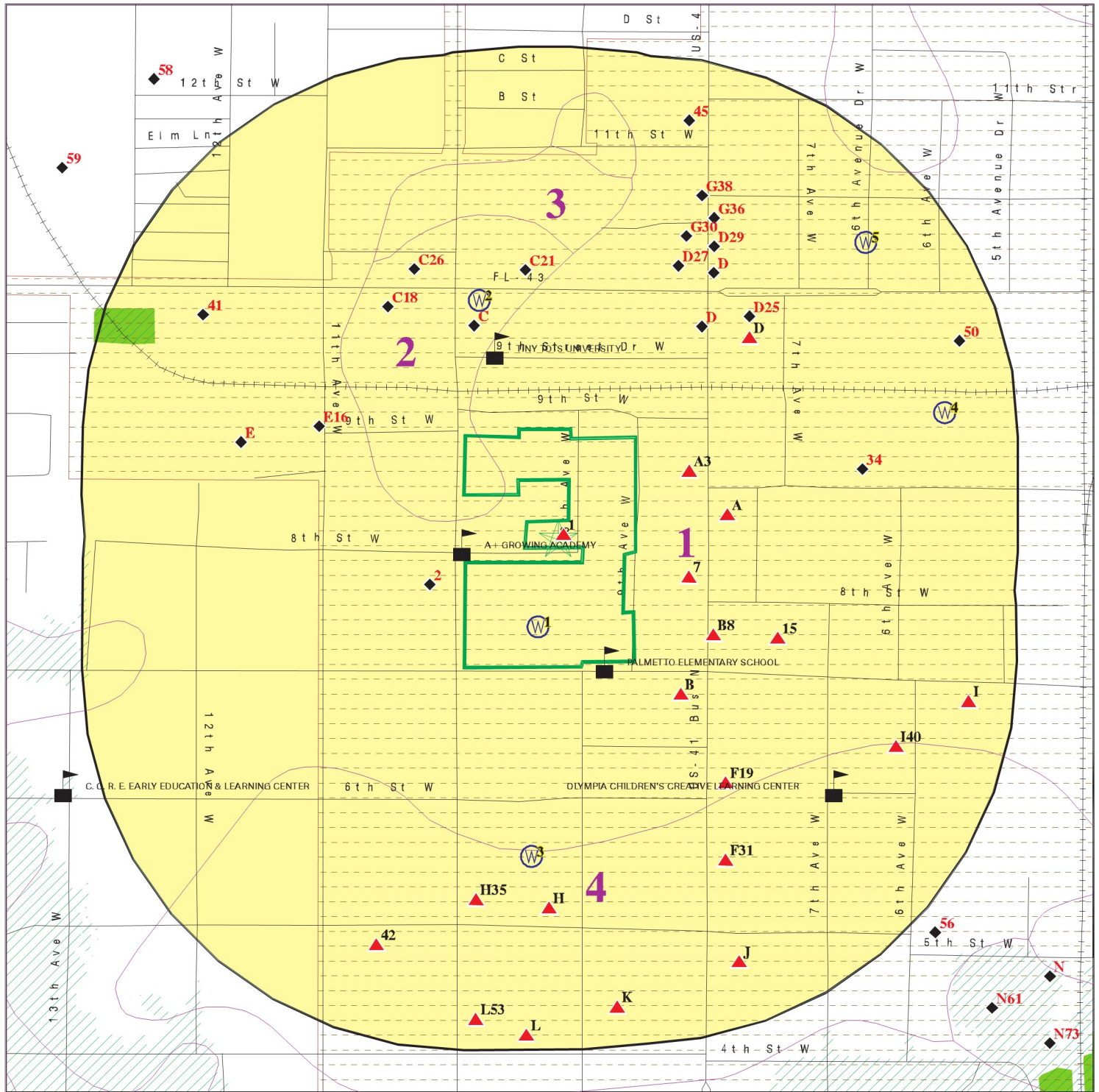
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Six Parcels, City of Palmetto  
ADDRESS: 1540 10th Street West  
Palmetto FL 34221  
LAT/LONG: 27.518901 / 82.574536

CLIENT: Ardaman & Associates, Inc.  
CONTACT: Chip Hoover  
INQUIRY #: 5316666.2s  
DATE: May 30, 2018 5:39 pm



# DETAIL MAP - 5316666.2S



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

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- FL Brownfield

0 1/16 1/8 1/4 Miles

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

SITE NAME: Six Parcels, City of Palmetto  
 ADDRESS: 1540 10th Street West  
 Palmetto FL 34221  
 LAT/LONG: 27.518901 / 82.574536

CLIENT: Ardaman & Associates, Inc.  
 CONTACT: Chip Hoover  
 INQUIRY #: 5316666.2s  
 DATE: May 30, 2018 5:42 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		5	5	NR	NR	NR	10
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	1	5	NR	NR	6
<b><i>State and tribal leaking storage tank lists</i></b>								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		4	9	6	NR	NR	19
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FF TANKS	0.250		0	0	NR	NR	NR	0
UST	0.250		8	12	NR	NR	NR	20
AST	0.250		2	4	NR	NR	NR	6
INDIAN UST TANKS	0.250		0	0	NR	NR	NR	0
	0.250		0	1	NR	NR	NR	1
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		1	0	0	NR	NR	1
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	3	NR	NR	3
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		1	0	3	NR	NR	4
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		3	4	6	NR	NR	13
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
PRIORITYCLEANERS	0.500		0	0	1	NR	NR	1
FI Sites	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		1	3	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
CLEANUP SITES	TP		NR	NR	NR	NR	NR	0
DEDB	0.250		0	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
DWM CONTAM	0.500		4	6	5	NR	NR	15
Financial Assurance	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats	0.250		0	0	NR	NR	NR	0
RESP PARTY	0.500		1	0	3	NR	NR	4
SITE INV SITES	0.500		0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0

### **EDR HIGH RISK HISTORICAL RECORDS**

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

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---



## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
EDR Hist Auto	0.125		6	NR	NR	NR	NR	6
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	38	46	32	0	0	116

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**< 1/8**  
**1 ft.** **PALMETTO ECONOMIC ENHANCEMENT DISTRICT** **BROWNFIELDS** **S113372120**  
**PALMETTO, FL** **N/A**

[Click here for full text details](#)

**1** **MANATEE CNTY SCHOOL BD-PALMETTO ELEM** **UST** **U001360834**  
**719 9TH AVE W** **N/A**  
**< 1/8** **PALMETTO, FL 34221**

**Relative:** [Click here for full text details](#)  
**Higher** **UST**  
Facility Status: OPEN  
Facility-Site Id: 8841969

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**2** **PALMETTO - HISTORICAL SCHOOL STRUCTURE SITE** **US BROWNFIELDS** **1016378125**  
**WSW** **705 - 715 10TH AVENUE WEST** **FINDS** **N/A**  
**< 1/8** **PALMETTO, FL 34221**  
**0.023 mi.**  
**122 ft.**

**Relative:** [Click here for full text details](#)  
**Lower** **US BROWNFIELDS**  
ACRES property ID: 156681

**FINDS**  
Registry ID:: 110055084108

**A3** **FL DEPT OF TRANSPORTATION ROW** **UST** **U003336247**  
**ENE** **829 8TH AVE W** **N/A**  
**< 1/8** **PALMETTO, FL 34221**  
**0.035 mi.**  
**186 ft.**

**Relative:** [Click here for full text details](#)  
**Higher** **UST**  
Facility Status: CLOSED  
Facility-Site Id: 9800585

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**B4** **J & S AUTO REPAIR** **EDR Hist Auto** **1020892218**  
**SE** **639 8TH AVE W** **N/A**  
**< 1/8** **PALMETTO, FL 34221**  
**0.037 mi.**  
**195 ft.**

**Relative:** [Click here for full text details](#)  
**Higher**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

B5  
SE  
< 1/8  
0.037 mi.  
195 ft.

MAC'S AUTO CLINIC  
639 8TH AVE W  
PALMETTO, FL 34221

LUST  
UST  
U001360845  
N/A

Relative:  
Higher

[Click here for full text details](#)

LUST

Facility Status: CLOSED  
Facility-Site Id: 8842252  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.aspx?>

UST

Facility Status: CLOSED  
Facility-Site Id: 8842252

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.aspx?>

B6  
SE  
< 1/8  
0.037 mi.  
195 ft.

THE KUSTOM SHOP  
639 8TH AVE W  
PALMETTO, FL 34221

RCRA-CESQG  
1012176859  
FLR000150938

Relative:  
Higher

[Click here for full text details](#)

RCRA-CESQG

EPA Id: FLR000150938

7  
ESE  
< 1/8  
0.039 mi.  
204 ft.

MICHAEL CLEANER  
737 8TH AVE W  
PALMETTO, FL 34221

EDR Hist Cleaner  
1020040038  
N/A

Relative:  
Higher

[Click here for full text details](#)

B8  
ESE  
< 1/8  
0.052 mi.  
274 ft.

CONSERVATION CONSULTANTS INC  
726 8TH AVE W  
PALMETTO, FL 34221

RCRA NonGen / NLR  
1015741047  
FLD072543085

Relative:  
Higher

[Click here for full text details](#)

RCRA NonGen / NLR

EPA Id: FLD072543085

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A9**  
**East**  
**< 1/8**  
**0.060 mi.**  
**317 ft.**

**WHITES STEVE MOBIL SERVICE**  
**824 8TH AVE W**  
**PALMETTO, FL 34221**

**EDR Hist Auto**

**1020704511**  
**N/A**

**Relative:**  
**Higher**

[Click here for full text details](#)

**A10**  
**East**  
**< 1/8**  
**0.060 mi.**  
**317 ft.**

**TEXACO - STEVE WHITE'S**  
**824 8TH AVE W**  
**PALMETTO, FL 34221**

**LUST**  
**UST**

**U001360486**  
**N/A**

**CLEANUP SITES**  
**DWM CONTAM**  
**Financial Assurance**

**Relative:**  
**Higher**

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED  
Facility-Site Id: 8623972  
Discharge Cleanup Status: SA - SA ONGOING  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 8623972

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53333064

**DWM CONTAM**

Program Site Id: 8623972

**Financial Assurance**

Facility Status: CLOSED  
Facility ID: 8623972

**C11**  
**NNW**  
**< 1/8**  
**0.072 mi.**  
**380 ft.**

**PALMETTO PETRO LLC**  
**920 10TH AVE W**  
**PALMETTO, FL 34221**

**UST**  
**Financial Assurance**

**U001378460**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**UST**

Facility Status: OPEN  
Facility-Site Id: 9102004

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**Financial Assurance**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PALMETTO PETRO LLC (Continued)**

**U001378460**

Facility Status: OPEN  
Facility ID: 9102004

**C12**  
**NNW**  
**< 1/8**  
**0.072 mi.**  
**380 ft.**

**NO 1 DISCOUNT**  
**920 10TH AVE W**  
**PALMETTO, FL 34221**

**EDR Hist Auto**

**1022240126**  
**N/A**

[Click here for full text details](#)

Relative:  
Lower

**D13**  
**NE**  
**< 1/8**  
**0.084 mi.**  
**445 ft.**

**PALMETTO CITY-PAPAK**  
**931 8TH AVE W**  
**PALMETTO, FL 34221**

**UST**

**U003434986**  
**N/A**

[Click here for full text details](#)

Relative:  
Lower

**UST**  
Facility Status: CLOSED  
Facility-Site Id: 9801080

<http://www.Click here for Florida Oculs/ordering/switchboard/redirect.asp?>

**D14**  
**NE**  
**< 1/8**  
**0.087 mi.**  
**462 ft.**

**GUSTAV GLUECK**  
**936 8TH AVE WEST**  
**PALMETTO, FL 33561**

**EDR Hist Auto**

**1020153769**  
**N/A**

[Click here for full text details](#)

Relative:  
Lower

**15**  
**ESE**  
**< 1/8**  
**0.094 mi.**  
**496 ft.**

**MANATEE RURAL HEALTH SERVICES/BOFAM SITE**  
**700 8TH AVENUE WEST**  
**PALMETTO, FL 34221**

**US BROWNFIELDS**  
**FINDS**

**1016403454**  
**N/A**

[Click here for full text details](#)

Relative:  
Higher

**US BROWNFIELDS**  
ACRES property ID: 161963

**FINDS**  
Registry ID:: 110055376677

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E16**  
**WNW**  
**< 1/8**  
**0.096 mi.**  
**505 ft.**

**HARLEE FARMS**  
**921 11TH AVE W**  
**PALMETTO, FL 34221**

**AST** **A100010220**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**AST**  
Facility Status: OPEN  
Facility-Site Id: 8623851  
Facility Status: OPEN

<http://www.click here for Florida Oculu/ordering/switchboard/redirect.asp?>

**D17**  
**NE**  
**< 1/8**  
**0.096 mi.**  
**508 ft.**

**PALMETTO CITY-GLUECK SITE**  
**930 W 8TH AVE**  
**PALMETTO, FL 34221**

**LUST** **U001361017**  
**UST** **N/A**  
**DWM CONTAM**  
**Financial Assurance**

**Relative:**  
**Higher**

[Click here for full text details](#)

**LUST**  
Facility Status: CLOSED  
Facility-Site Id: 9202319  
Discharge Cleanup Status: SA - SA ONGOING

<http://www.click here for Florida Oculu/ordering/switchboard/redirect.asp?>

**UST**  
Facility Status: CLOSED  
Facility-Site Id: 9202319

<http://www.click here for Florida Oculu/ordering/switchboard/redirect.asp?>

**DWM CONTAM**  
Program Site Id: 9202319

**Financial Assurance**  
Facility Status: CLOSED  
Facility ID: 9202319

**C18**  
**NW**  
**< 1/8**  
**0.098 mi.**  
**519 ft.**

**PROPOSED DOLLAR GENERAL**  
**1001 10TH STREET WEST**  
**PALMETTO, FL 34221**

**INST CONTROL** **S117573225**  
**DWM CONTAM** **N/A**  
**RESP PARTY**

**Relative:**  
**Lower**

[Click here for full text details](#)

**INST CONTROL**  
Facility-Site Id: COM\_332463

<http://www.click here for Florida Oculu/ordering/switchboard/redirect.asp?>

**DWM CONTAM**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROPOSED DOLLAR GENERAL (Continued)**

**S117573225**

Program Site Id: 332463

**RESP PARTY**

Site Status: CLOSED

**F19**  
**SE**  
**< 1/8**  
**0.099 mi.**  
**522 ft.**

**600 8TH & 525 7TH AVES**  
**600 8TH AVENUE W**  
**PALMETTO, FL 34221**

**US BROWNFIELDS**  
**FINDS**

**1024008346**  
**N/A**

**Relative:**  
**Higher**

[Click here for full text details](#)

**US BROWNFIELDS**

ACRES property ID: 234623

**FINDS**

Registry ID:: 110070100717

**D20**  
**NE**  
**< 1/8**  
**0.099 mi.**  
**523 ft.**

**CVS PHARMACY #3111**  
**945 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA-CESQG**

**1014951396**  
**FLR000186775**

**Relative:**  
**Higher**

[Click here for full text details](#)

**RCRA-CESQG**

EPA Id: FLR000186775

**C21**  
**North**  
**< 1/8**  
**0.104 mi.**  
**549 ft.**

**FRONTIER FL LLC-PALMETTO RSU**  
**932 10TH ST W**  
**PALMETTO, FL 34221**

**AST** **A100211938**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**AST**

Facility Status: OPEN  
Facility-Site Id: 9802584  
Facility Status: OPEN

<http://www.Click here for Florida OSHA/Ordering/switchboard/redirect.asp?>

**D22**  
**NNE**  
**< 1/8**  
**0.106 mi.**  
**561 ft.**

**HARMONS AUTOMOTIVE SERVICE CTR**  
**1001 8TH AVE W**  
**PALMETTO, FL 34221**

**LUST**  
**UST**  
**CLEANUP SITES**  
**DWM CONTAM**  
**Financial Assurance**

**U001360518**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED  
Facility-Site Id: 8624083

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARMONS AUTOMOTIVE SERVICE CTR (Continued)**

**U001360518**

Discharge Cleanup Status: SA - SA ONGOING

<http://www.Click here for Florida Ocuhs/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: CLOSED

Facility-Site Id: 8624083

<http://www.Click here for Florida Ocuhs/ordering/switchboard/redirect.asp?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53333069

**DWM CONTAM**

Program Site Id: 8624083

**Financial Assurance**

Facility Status: CLOSED

Facility ID: 8624083

D23  
NNE  
< 1/8  
0.106 mi.  
561 ft.

**HARMONS SERVICE STATION**  
**1001 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA-CESQG**

**1014470369**  
**FLTMP9103304**

Relative:  
Lower

[Click here for full text details](#)

**RCRA-CESQG**  
EPA Id: FLTMP9103304

D24  
NNE  
< 1/8  
0.106 mi.  
561 ft.

**HARMON'S SERVICE STATION**  
**1001 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA-CESQG**

**1014470370**  
**FLTMP9103305**

Relative:  
Lower

[Click here for full text details](#)

**RCRA-CESQG**  
EPA Id: FLTMP9103305

D25  
NE  
< 1/8  
0.109 mi.  
573 ft.

**WALGREENS #04812**  
**930 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA-CESQG**

**1010315632**  
**FLR000134908**

Relative:  
Lower

[Click here for full text details](#)

**RCRA-CESQG**  
EPA Id: FLR000134908

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

C26  
NNW  
< 1/8  
0.114 mi.  
601 ft.

RANDYS AUTOMOTIVE CENTER INC  
1004 10TH ST W  
PALMETTO, FL 34221

EDR Hist Auto

1021744720  
N/A

Relative:  
Lower

[Click here for full text details](#)

D27  
NNE  
< 1/8  
0.116 mi.  
610 ft.

HARMON AUTOMOTIVE  
1001 8TH AVE W  
PALMETTO, FL 34221

EDR Hist Auto

1020192527  
N/A

Relative:  
Lower

[Click here for full text details](#)

D28  
NNE  
< 1/8  
0.119 mi.  
629 ft.

MIKES CLEANERS  
1000 8TH AVE W  
PALMETTO, FL 33561

EDR Hist Cleaner

1020040739  
N/A

Relative:  
Lower

[Click here for full text details](#)

D29  
NNE  
1/8-1/4  
0.135 mi.  
713 ft.

WEBER PROPERTY  
1004 8TH AVE W  
PALMETTO, FL 34221

LUST

UST

U001360974  
N/A

CLEANUP SITES

DWM CONTAM

Financial Assurance

Relative:  
Lower

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED

Facility-Site Id: 9101670

Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: CLOSED

Facility-Site Id: 9101670

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53334108

**DWM CONTAM**

Program Site Id: 9101670

**Financial Assurance**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEBER PROPERTY (Continued)**

**U001360974**

Facility Status: CLOSED  
Facility ID: 9101670

**G30**  
**NNE**  
**1/8-1/4**  
**0.136 mi.**  
**717 ft.**

**COURTESY CLEANERS**  
**1003 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA NonGen / NLR**

**1000370026**  
**FLD981031339**

[Click here for full text details](#)

Relative:  
Lower

**RCRA NonGen / NLR**  
EPA Id: FLD981031339

**F31**  
**SSE**  
**1/8-1/4**  
**0.143 mi.**  
**753 ft.**

**516 8TH AVE. W.**  
**PALMETTO, FL**

**DEDB** **S108816180**  
**N/A**

[Click here for full text details](#)

Relative:  
Higher

**DEDB**  
Well Id: 410002501

**E32**  
**WNW**  
**1/8-1/4**  
**0.146 mi.**  
**773 ft.**

**PALMETTO HEARTLAND VACANT PARCEL**  
**WEST OF 917 11TH AVENUE WEST**  
**PALMETTO, FL 34221**

**US BROWNFIELDS**

**1014949294**  
**N/A**

[Click here for full text details](#)

Relative:  
Lower

**US BROWNFIELDS**  
ACRES property ID: 144841

**E33**  
**WNW**  
**1/8-1/4**  
**0.146 mi.**  
**773 ft.**

**PRODUCERS FERTILIZER CO**  
**917 11TH AVE W**  
**PALMETTO, FL 34221**

**LUST** **1000931316**  
**UST** **N/A**

[Click here for full text details](#)

Relative:  
Lower

**LUST**  
Facility Status: CLOSED  
Facility-Site Id: 8624121  
Discharge Cleanup Status: SRCR - SRCR COMPLETE

<http://www.Click here for Florida Oculs/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 8624121

<http://www.Click here for Florida Oculs/ordering/switchboard/redirect.aspx?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34  
ENE  
1/8-1/4  
0.148 mi.  
784 ft.

**CEMEX - PALMETTO READY MIX AND BLOCK**  
600 9TH ST W  
PALMETTO, FL 34221

Relative:  
Lower

[Click here for full text details](#)

LUST  
UST  
AST  
AIRS  
CLEANUP SITES  
DWM CONTAM  
Financial Assurance  
NPDES

U001360534  
N/A

**LUST**

Facility Status: OPEN  
Facility-Site Id: 8624165  
Discharge Cleanup Status: SA - SA ONGOING

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: OPEN  
Facility-Site Id: 8624165

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

**AST**

Facility Status: OPEN  
Facility-Site Id: 8624165  
Facility Status: OPEN

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

**AIRS**

Facility Id: 810006  
Facility Status: A

**CLEANUP SITES**

DEP Cleanup Site Key: 53333073

**DWM CONTAM**

Program Site Id: 8624165

**Financial Assurance**

Facility Status: OPEN  
Facility ID: 8624165

**NPDES**

Facility ID: FLG110096  
Status: A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H35  
SSW  
1/8-1/4  
0.151 mi.  
799 ft.

**FORMER OLYMPIA THEATER**  
512 10TH AVENUE WEST  
PALMETTO, FL 34221

**US BROWNFIELDS**

**1015942852**  
N/A

Relative:  
Higher

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 155702

G36  
NNE  
1/8-1/4  
0.152 mi.  
804 ft.

**HAYES OIL CO**  
1030 8TH AVE W  
PALMETTO, FL 34221

**LUST**  
**UST**

**U001047027**  
N/A

Relative:  
Lower

[Click here for full text details](#)

**LUST**  
Facility Status: CLOSED  
Facility-Site Id: 9101408  
Discharge Cleanup Status: SRCR - SRCR COMPLETE

<http://www.Click here for Florida Oculis/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 9101408

<http://www.Click here for Florida Oculis/ordering/switchboard/redirect.asp?>

H37  
South  
1/8-1/4  
0.157 mi.  
829 ft.

**PALMETTO - 5TH STREET PARCELS**  
924 & 930 5TH STREET, 515 9TH AVENUE WEST  
PALMETTO, FL 34221

**US BROWNFIELDS**  
**FINDS**

**1016403453**  
N/A

Relative:  
Higher

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 161962

**FINDS**

Registry ID:: 110055376668

G38  
NNE  
1/8-1/4  
0.164 mi.  
866 ft.

**AMOCO STATION-PALMETTO**  
1037 8TH AVE W  
PALMETTO, FL 34221

**LUST**  
**UST**  
**CLEANUP SITES**  
**DWM CONTAM**  
**Financial Assurance**

**U001360343**  
N/A

Relative:  
Lower

[Click here for full text details](#)

**LUST**  
Facility Status: CLOSED  
Facility-Site Id: 8510749  
Discharge Cleanup Status: SA - SA ONGOING



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMOCO STATION-PALMETTO (Continued)**

**U001360343**

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 8510749

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53332341

**DWM CONTAM**

Program Site Id: 8510749

**Financial Assurance**

Facility Status: CLOSED  
Facility ID: 8510749

**H39**  
**South**  
**1/8-1/4**  
**0.170 mi.**  
**897 ft.**

**Relative:**  
**Higher**

**PALMETTO - 5TH STREET IMPROVEMENTS**  
**923 5TH STREET WEST**  
**PALMETTO, FL 34221**

[Click here for full text details](#)

**RCRA-CESQG**

EPA Id: FLR000168955

**RCRA-CESQG**  
**US BROWNFIELDS**  
**FINDS**

**1014389024**  
**FLR000168955**

**US BROWNFIELDS**

ACRES property ID: 156648

**FINDS**

Registry ID:: 110055084028

**I40**  
**ESE**  
**1/8-1/4**  
**0.180 mi.**  
**949 ft.**

**Relative:**  
**Higher**

**DARRELL'S AUTO CARE INC.**  
**619 6TH AVENUE W.**  
**PALMETTO, FL 34221**

[Click here for full text details](#)

**SWF/LF**

Class Status: INACTIVE (I)  
Facility-Site Id: 97135

**SWF/LF**

**S113899808**  
**N/A**

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**41**  
**WNW**  
**1/8-1/4**  
**0.189 mi.**  
**996 ft.**

**PALMETTO CITY-POLICE DEPT**  
**1115 10TH ST W**  
**PALMETTO, FL 34221**

**LUST**  
**UST**  
**DWM CONTAM**

**U001378466**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED

Facility-Site Id: 9102615

Discharge Cleanup Status: LNFA - LOW SCORE SITE INITIATIVE NO FURTHER ACTION

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: CLOSED

Facility-Site Id: 9102615

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**DWM CONTAM**

Program Site Id: 9102615

**42**  
**SSW**  
**1/8-1/4**  
**0.190 mi.**  
**1001 ft.**

**FIRST BAPTIST CHURCH OF PALMETTO**  
**1021 5TH ST W**  
**PALMETTO, FL 34221**

**UST**  
**U003657317**  
**N/A**

**Relative:**  
**Higher**

[Click here for full text details](#)

**UST**

Facility Status: CLOSED

Facility-Site Id: 9801314

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**J43**  
**SSE**  
**1/8-1/4**  
**0.208 mi.**  
**1096 ft.**

**BP-REGATTA POINTE**  
**440 8TH AVE W**  
**PALMETTO, FL 34221**

**LUST**  
**UST**  
**Financial Assurance**  
**U004195200**  
**N/A**

**Relative:**  
**Higher**

[Click here for full text details](#)

**LUST**

Facility Status: OPEN

Facility-Site Id: 8839660

Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: OPEN

Facility-Site Id: 8839660

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP-REGATTA POINTE (Continued)**

**U004195200**

**Financial Assurance**

Facility Status: OPEN  
Facility ID: 8839660

**J44**  
**SSE**  
**1/8-1/4**  
**0.208 mi.**  
**1096 ft.**

**CHEVRON #48000-LADDIES**  
**440 8TH AVE W**  
**PALMETTO, FL 34221**

**AST**  
**TANKS**  
**CLEANUP SITES**  
**DWM CONTAM**

**U003804111**  
**N/A**

[Click here for full text details](#)

**Relative:**  
**Higher**

**AST**  
Facility Status: OPEN  
Facility-Site Id: 8839660  
Facility Status: OPEN

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.aspx?>

**TANKS**

Facility Status: CLOSED  
Facility ID: 8623908

**CLEANUP SITES**

DEP Cleanup Site Key: 53329373

**DWM CONTAM**

Program Site Id: 8839660

**45**  
**NNE**  
**1/8-1/4**  
**0.210 mi.**  
**1109 ft.**

**PUBLIX SUPER MARKET #1342**  
**1101 8TH AVE W**  
**PALMETTO, FL 34221**

**AST** **A100347606**  
**N/A**

[Click here for full text details](#)

**Relative:**  
**Lower**

**AST**  
Facility Status: OPEN  
Facility-Site Id: 9811716  
Facility Status: OPEN

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.aspx?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

I46  
ESE  
1/8-1/4  
0.220 mi.  
1162 ft.

**KASH - N - KARRY**  
515 7TH ST W  
PALMETTO, FL 34221

RCRA-CESQG

1014469307  
FLTMP9002124

Relative:  
Higher

[Click here for full text details](#)

RCRA-CESQG  
EPA Id: FLTMP9002124

I47  
ESE  
1/8-1/4  
0.220 mi.  
1162 ft.

**KASH N KARRY FOOD STORE #854**  
515 7TH ST W  
PALMETTO, FL 34221

UST U004195339  
N/A

Relative:  
Higher

[Click here for full text details](#)

UST  
Facility Status: CLOSED  
Facility-Site Id: 8944561

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

I48  
ESE  
1/8-1/4  
0.220 mi.  
1162 ft.

**DEVCO #454**  
515 7TH ST W  
PALMETTO, FL 34221

LUST  
UST  
CLEANUP SITES  
DWM CONTAM

U003657343  
N/A

Relative:  
Higher

[Click here for full text details](#)

LUST  
Facility Status: CLOSED  
Facility-Site Id: 8624346  
Discharge Cleanup Status: RA - RA ONGOING

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

UST  
Facility Status: CLOSED  
Facility-Site Id: 8624346

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**CLEANUP SITES**  
DEP Cleanup Site Key: 53333084

**DWM CONTAM**  
Program Site Id: 8624346

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I49  
ESE  
1/8-1/4  
0.220 mi.  
1162 ft.

WINN-DIXIE #2448  
515 7TH ST W  
PALMETTO, FL 34221

RCRA-CESQG

1016955935  
FLR000211961

Relative:  
Higher

[Click here for full text details](#)

RCRA-CESQG  
EPA Id: FLR000211961

50  
ENE  
1/8-1/4  
0.221 mi.  
1166 ft.

PACIFIC TOMATO GROWERS  
503 10TH ST  
PALMETTO, FL 34221

UST  
AST  
Financial Assurance  
NPDES

U001360497  
N/A

Relative:  
Lower

[Click here for full text details](#)

UST  
Facility Status: CLOSED  
Facility-Site Id: 8623994

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

AST  
Facility Status: CLOSED  
Facility-Site Id: 8623994  
Facility Status: CLOSED

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

Financial Assurance  
Facility Status: CLOSED  
Facility ID: 9046950

NPDES  
Facility ID: FLA613461  
Status: A

K51  
South  
1/8-1/4  
0.223 mi.  
1179 ft.

THORNTON MAZDA  
405 8TH AVE W  
PALMETTO, FL 34221

LUST  
UST  
Financial Assurance

1000365502  
N/A

Relative:  
Higher

[Click here for full text details](#)

LUST  
Facility Status: CLOSED  
Facility-Site Id: 8624069  
Discharge Cleanup Status: NFA - NFA COMPLETE

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

UST  
Facility Status: CLOSED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THORNTON MAZDA (Continued)**

**1000365502**

Facility-Site Id: 8624069

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

**Financial Assurance**

Facility Status: CLOSED

Facility ID: 8624069

**K52**  
**South**  
**1/8-1/4**  
**0.223 mi.**  
**1179 ft.**

**THORNTON MAZDA**  
**405 8TH AVE W**  
**PALMETTO, FL 34221**

**RCRA-CESQG**  
**FINDS**  
**ECHO**

**1000365500**  
**FLD032638298**

**Relative:**  
**Higher**

[Click here for full text details](#)

**RCRA-CESQG**

EPA Id: FLD032638298

**FINDS**

Registry ID:: 110066946201

Registry ID:: 110008323894

**ECHO**

Registry ID: 110066946201

**L53**  
**South**  
**1/8-1/4**  
**0.230 mi.**  
**1212 ft.**

**CLUB KIT INC**  
**410 10TH AVE W**  
**PALMETTO, FL 34221**

**RCRA NonGen / NLR**

**1000497017**  
**FLD020981262**

**Relative:**  
**Higher**

[Click here for full text details](#)

**RCRA NonGen / NLR**

EPA Id: FLD020981262

**L54**  
**South**  
**1/8-1/4**  
**0.240 mi.**  
**1267 ft.**

**AMERICRAFT CORP**  
**904 4TH ST W**  
**PALMETTO, FL 34221**

**RCRA NonGen / NLR**

**1000859762**  
**FLD984262519**

**Relative:**  
**Higher**

[Click here for full text details](#)

**RCRA NonGen / NLR**

EPA Id: FLD984262519



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

L55  
South  
1/8-1/4  
0.240 mi.  
1267 ft.

**AMERICRAFT**  
904 4TH ST W  
PALMETTO, FL 34221

**RCRA-CESQG**  
**FINDS**  
**ECHO**

**1014470962**  
**FLTMP9203933**

Relative:  
Higher

[Click here for full text details](#)

**RCRA-CESQG**  
EPA Id: FLTMP9203933

**FINDS**

Registry ID:: 110005626929

**ECHO**

Registry ID: 110005626929

56  
SE  
1/4-1/2  
0.265 mi.  
1397 ft.

**WEST COAST TOMATO, LLC**  
502 6TH AVENUE, W.  
PALMETTO, FL 34220

**SWF/LF**

**S113899765**  
**N/A**

Relative:  
Lower

[Click here for full text details](#)

**SWF/LF**  
Class Status: REGISTERED (R)  
Facility-Site Id: 97084

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

57  
South  
1/4-1/2  
0.306 mi.  
1616 ft.

**PALMETTO - 336 10TH**  
336 10TH AVENUE WEST  
PALMETTO, FL 34221

**US BROWNFIELDS**  
**FINDS**

**1016392621**  
**N/A**

Relative:  
Lower

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 159061

**FINDS**

Registry ID:: 110055263913

58  
NW  
1/4-1/2  
0.309 mi.  
1634 ft.

**T.W. ELMORE, INC.**  
1200 13TH AVENUE, W.  
PALMETTO, FL 34221

**SWF/LF**

**S113900067**  
**N/A**

Relative:  
Lower

[Click here for full text details](#)

**SWF/LF**  
Class Status: INACTIVE (I)  
Facility-Site Id: 97448

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

59  
NW  
1/4-1/2  
0.316 mi.  
1670 ft.

**CITY OF PALMETTO DDMS - FAIRGROUNDS**  
**1010 13TH AVE DRIVE W**  
**PALMETTO, FL 34221**

**SWF/LF**

**S121163521**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**SWF/LF**

Class Status: INACTIVE (I)  
Facility-Site Id: 104805

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

M60  
South  
1/4-1/2  
0.317 mi.  
1676 ft.

**RIVERSIDE NORTH PROPERTIES**  
**325 8TH AVENUE WEST**  
**PALMETTO, FL 34221**

**VCP**  
**BROWNFIELDS**  
**RESP PARTY**

**S121163200**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**VCP**

Comet Site Id: 356101  
Status: OPEN

**BROWNFIELDS**

Facility-Site Id: BF411201000  
Site Id: BF411201003  
Site Id: BF411201003

**RESP PARTY**

Site Status: OPEN

N61  
SE  
1/4-1/2  
0.326 mi.  
1719 ft.

**PALMETTO 4TH STREET SITE**  
**510 4TH STREET**  
**PALMETTO, FL 34221**

**US BROWNFIELDS**

**1016952200**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**US BROWNFIELDS**

ACRES property ID: 176981

N62  
SE  
1/4-1/2  
0.341 mi.  
1800 ft.

**EDENFIELD PROPERTY**  
**505 WEST 5TH STREET**  
**PALMETTO, FL 34221**

**DWM CONTAM**  
**RESP PARTY**

**S118741878**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**DWM CONTAM**

Program Site Id: 151357

**RESP PARTY**

Site Status: OPEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

N63  
SE  
1/4-1/2  
0.341 mi.  
1800 ft.

EDENFIELD PROPERTY  
505 WEST 5TH STREET  
PALMETTO, FL 34221

VCP S118751961  
N/A

Relative:  
Lower

[Click here for full text details](#)

VCP  
Comet Site Id: 151357  
Status: OPEN

N64  
SE  
1/4-1/2  
0.341 mi.  
1800 ft.

PALMETTO ECONOMIC ENHANCEMENT DISTRICT  
505 5TH STREET WEST  
PALMETTO, FL 34221

BROWNFIELDS S118560856  
N/A

Relative:  
Lower

[Click here for full text details](#)

BROWNFIELDS  
Facility-Site Id: BF411201000  
Site Id: BF411201001  
Site Id: BF411201001

65  
WNW  
1/4-1/2  
0.345 mi.  
1822 ft.

DIZZY PEACOCK #308  
1318 10TH ST W  
PALMETTO, FL 34221

LUST U001360544  
UST N/A  
Financial Assurance

Relative:  
Lower

[Click here for full text details](#)

LUST  
Facility Status: CLOSED  
Facility-Site Id: 8624230  
Discharge Cleanup Status: SRCR - SRCR COMPLETE

<http://www.Click here for Florida Oculis/ordering/switchboard/redirect.aspx?>

UST  
Facility Status: CLOSED  
Facility-Site Id: 8624230

<http://www.Click here for Florida Oculis/ordering/switchboard/redirect.aspx?>

Financial Assurance  
Facility Status: CLOSED  
Facility ID: 8624230

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number

Site

Database(s)

**M66**  
South  
1/4-1/2  
0.345 mi.  
1823 ft.

**PALMETTO - RIVERSIDE NORTH PROPERTIES**  
834 RIVERSIDE DR, 325 8TH AVE W, 320 9TH AVE W  
PALMETTO, FL 34221

**US BROWNFIELDS  
FINDS**

**1016378110  
N/A**

Relative:  
Lower

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 156605

**FINDS**

Registry ID:: 110055083948

**M67**  
South  
1/4-1/2  
0.352 mi.  
1857 ft.

**CIRCLE K #2211025**  
301 8TH AVE  
PALMETTO, FL 34221

**LUST  
UST  
CLEANUP SITES  
DWM CONTAM  
Financial Assurance**

**U001360341  
N/A**

Relative:  
Lower

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED  
Facility-Site Id: 8510744  
Discharge Cleanup Status: SA - SA ONGOING  
Discharge Cleanup Status: RA - RA ONGOING  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 8510744

<http://www.clickhereforflorida.gov/ordering/switchboard/redirect.asp?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53332340

**DWM CONTAM**

Program Site Id: 8510744

**Financial Assurance**

Facility Status: CLOSED  
Facility ID: 8510744

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

O68  
NNE  
1/4-1/2  
0.354 mi.  
1871 ft.

CITGO-TERRA CEIA #692  
1240 8TH AVE W  
PALMETTO, FL 34221

LUST  
UST  
CLEANUP SITES  
DWM CONTAM  
Financial Assurance

U001360491  
N/A

Relative:  
Lower

[Click here for full text details](#)

LUST

Facility Status: OPEN  
Facility-Site Id: 8623981  
Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED  
Discharge Cleanup Status: ENTD - ELIGIBLE - NO TASK LEVEL DATA

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

UST

Facility Status: OPEN  
Facility-Site Id: 8623981

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

CLEANUP SITES

DEP Cleanup Site Key: 53333065

DWM CONTAM

Program Site Id: 8623981

Financial Assurance

Facility Status: OPEN  
Facility ID: 8623981

69  
ENE  
1/4-1/2  
0.357 mi.  
1885 ft.

JET #09039  
404 10TH ST W  
PALMETTO, FL 34221

LUST  
UST  
U001360460  
N/A

[Click here for full text details](#)

Relative:  
Lower

LUST

Facility Status: CLOSED  
Facility-Site Id: 8623835  
Discharge Cleanup Status: NFA - NFA COMPLETE

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

UST

Facility Status: CLOSED  
Facility-Site Id: 8623835

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M70**  
South  
1/4-1/2  
0.359 mi.  
1893 ft.

**PALMETTO - SHELL STATION SITE**  
301 8TH AVENUE WEST  
PALMETTO, FL 34221

**US BROWNFIELDS**

**1014933869**  
N/A

Relative:  
Lower

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 139102

**M71**  
South  
1/4-1/2  
0.360 mi.  
1902 ft.

**FORMER RIVERSIDE SHELL STATION SITE**  
301 WEST 8TH AVENUE  
PALMETTO, FL 34221

**VCP**  
**BROWNFIELDS**  
**CLEANUP SITES**  
**RESP PARTY**

**S121163199**  
N/A

Relative:  
Lower

[Click here for full text details](#)

**VCP**  
Comet Site Id: 356103  
Status: OPEN

**BROWNFIELDS**  
Facility-Site Id: BF411201000  
Site Id: BF411201002  
Site Id: BF411201002

**CLEANUP SITES**  
DEP Cleanup Site Key: 53323014

**RESP PARTY**  
Site Status: OPEN

**72**  
South  
1/4-1/2  
0.362 mi.  
1913 ft.

**PALMETTO - RIVERSIDE PLAZA**  
908 RIVERSIDE DRIVE  
PALMETTO, FL 34221

**US BROWNFIELDS**  
**FINDS**

**1016378107**  
N/A

Relative:  
Lower

[Click here for full text details](#)

**US BROWNFIELDS**  
ACRES property ID: 156581

**FINDS**  
Registry ID:: 110055083911

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

N73  
SE  
1/4-1/2  
0.369 mi.  
1947 ft.

FORMER EDENFIELD PROPERTY  
505 5TH STREET WEST  
PALMETTO, FL 34221

US BROWNFIELDS

1016952045  
N/A

Relative:  
Lower

[Click here for full text details](#)

US BROWNFIELDS  
ACRES property ID: 173542

O74  
NNE  
1/4-1/2  
0.405 mi.  
2139 ft.

CENTRAL FLORIDA FABRICARE SERVICES LLC  
1304 8TH AVE W  
PALMETTO, FL 34221

PRIORITYCLEANERS  
FINDS  
ECHO  
CLEANUP SITES  
DRYCLEANERS  
DWM CONTAM

1000298836  
N/A

Relative:  
Lower

[Click here for full text details](#)

PRIORITYCLEANERS  
Facility-Site Id: 9501170

FINDS  
Registry ID:: 110001415772

ECHO  
Registry ID: 110001415772

CLEANUP SITES  
DEP Cleanup Site Key: 53324635

DRYCLEANERS  
Facility-Site Id: 9501170  
Facility Status: CLOSED

75  
WSW  
1/4-1/2  
0.426 mi.  
2251 ft.

DIAZ LANDSCAPE MAINTENANCE INC  
1412 5TH STREET W  
PALMETTO, FL 34221

SWF/LF

S121604100  
N/A

Relative:  
Lower

[Click here for full text details](#)

SWF/LF  
Class Status: REGISTERED (R)  
Facility-Site Id: 97816

<http://www.floridaclear.com/ordering/switchboard/redirect.asp?>



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

76  
South  
1/4-1/2  
0.476 mi.  
2513 ft.

**REGATTA POINTE MARINA**  
**1005 RIVERSIDE DR**  
**PALMETTO, FL 34221**

**LUST**  
**UST**  
**Financial Assurance**  
**NPDES**

**U001360928**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**LUST**

Facility Status: OPEN  
Facility-Site Id: 9046559  
Discharge Cleanup Status: NFA - NFA COMPLETE  
Discharge Cleanup Status: SRCR - SRCR COMPLETE

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: OPEN  
Facility-Site Id: 9046559

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**Financial Assurance**

Facility Status: OPEN  
Facility ID: 9046559

**NPDES**

Facility ID: FLRNEF022  
Status: A

77  
SW  
1/4-1/2  
0.477 mi.  
2518 ft.

**BAKER WILLIAM A**  
**1301 RIVERSIDE DR**  
**PALMETTO, FL 34221**

**LUST**  
**UST**  
**CLEANUP SITES**  
**DWM CONTAM**

**U001360813**  
**N/A**

**Relative:**  
**Lower**

[Click here for full text details](#)

**LUST**

Facility Status: CLOSED  
Facility-Site Id: 8840645  
Discharge Cleanup Status: RA - RA ONGOING

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**UST**

Facility Status: CLOSED  
Facility-Site Id: 8840645

<http://www.Click here for Florida Oculu/ordering/switchboard/redirect.aspx?>

**CLEANUP SITES**

DEP Cleanup Site Key: 53329371

**DWM CONTAM**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BAKER WILLIAM A (Continued)**

**U001360813**

Program Site Id: 8840645

78  
ENE  
1/4-1/2  
0.481 mi.  
2538 ft.

**PALMETTO TIRE SERVICES**  
**215 10TH ST W**  
**PALMETTO, FL 34221**

**SWF/LF S114562762**  
**N/A**

[Click here for full text details](#)

Relative:  
Lower

**SWF/LF**  
Class Status: INACTIVE (I)  
Facility-Site Id: 100425

<http://www.clickhereforflorida.com/ordering/switchboard/redirect.asp?>

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
FL	AIRS	Permitted Facilities Listing	Department of Environmental Protection	01/29/2018	01/30/2018	02/26/2018
FL	ASBESTOS	Asbestos Notification Listing	Department of Environmental Protection	02/15/2018	02/20/2018	04/04/2018
FL	AST	Storage Tank Facility Information	Department of Environmental Protection	04/09/2018	05/03/2018	05/21/2018
FL	BROWNFIELDS	Brownfields Sites Database	Department of Environmental Protection	02/25/2018	04/04/2018	04/30/2018
FL	BROWNFIELDS AREAS	Brownfields Areas Database	Department of Environmental Protection	02/28/2018	04/04/2018	04/30/2018
FL	BSRA	Brownfield Site Rehabilitation Agreements Listing	Department of Environmental Protection	02/21/2018	04/04/2018	04/30/2018
FL	CLEANUP SITES	DEP Cleanup Sites - Contamination Locator Map Listing	Department of Environmental Protection	02/25/2018	02/27/2018	04/09/2018
FL	DEDB	Ethylene Dibromide Database Results	Department of Environmental Protection	04/02/2018	04/03/2018	04/24/2018
FL	DRYCLEANERS	Drycleaning Facilities	Department of Environmental Protection	04/09/2018	04/24/2018	05/21/2018
FL	DWM CONTAM	DWM CONTAMINATED SITES	Department of Environmental Protection	09/30/2017	10/31/2017	01/19/2018
FL	ENG CONTROLS	Institutional Controls Registry	Department of Environmental Protection	04/02/2018	04/04/2018	04/24/2018
FL	FF TANKS	Federal Facilities Listing	Department of Environmental Protection	03/21/2018	03/27/2018	04/09/2018
FL	FL Cattle Dip. Vats	Cattle Dipping Vats	Department of Environmental Protection	01/19/2017	01/09/2018	01/19/2018
FL	FL SITES	Sites List	Department of Environmental Protection	12/31/1989	05/09/1994	08/04/1994
FL	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	04/26/2018	05/01/2018	05/21/2018
FL	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Protection	04/27/2018	05/02/2018	05/21/2018
FL	Financial Assurance 3	Financial Assurance Information Listing	Department of Environmental Protection	04/09/2018	05/03/2018	05/22/2018
FL	Inst Control	Institutional Controls Registry	Department of Environmental Protection	04/02/2018	04/04/2018	04/24/2018
FL	LAST	Leaking Aboveground Storage Tank Listing	Department of Environmental Protection	04/26/2018	05/01/2018	05/22/2018
FL	LUST	Petroleum Contamination Detail Report	Department of Environmental Protection	04/09/2018	05/04/2018	05/22/2018
FL	PRIORITYCLEANERS	Priority Ranking List	Department of Environmental Protection	04/04/2018	05/16/2018	05/22/2018
FL	RESP PARTY	Responsible Party Sites Listing	Department of Environmental Protection	04/02/2018	04/04/2018	04/24/2018
FL	RGH HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Protection		07/01/2013	12/30/2013
FL	RGH LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Protection		07/01/2013	01/10/2014
FL	RGH LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Protection		07/01/2013	12/30/2013
FL	SHWS	Florida's State-Funded Action Sites	Department of Environmental Protection	02/01/2018	02/21/2018	04/09/2018
FL	SITE INV SITES	Site Investigation Section Sites Listing	Department of Environmental Protection	02/20/2018	02/21/2018	04/09/2018
FL	SPILLS	Oil and Hazardous Materials Incidents	Department of Environmental Protection	04/11/2018	04/13/2018	05/03/2018
FL	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	09/01/2001	01/03/2013	03/06/2013
FL	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/10/2012	01/03/2013	03/04/2013
FL	SWF/LF	Solid Waste Facility Database	Department of Environmental Protection	04/16/2018	04/17/2018	04/24/2018
FL	SWRCY	Recycling Centers	Department of Environmental Protection	01/10/2018	02/16/2018	04/09/2018
FL	TANKS	Storage Tank Facility List	Department of Environmental Protection	04/09/2018	05/03/2018	05/21/2018
FL	TIER 2	Tier 2 Facility Listing	Department of Environmental Protection	12/31/2016	06/23/2017	08/02/2017
FL	UIC	Underground Injection Wells Database Listing	Department of Environmental Protection	04/18/2018	04/23/2018	05/22/2018
FL	UST	Storage Tank Facility Information	Department of Environmental Protection	04/09/2018	05/03/2018	05/21/2018
FL	VCP	Voluntary Cleanup Sites	Department of Environmental Protection	03/20/2018	03/22/2018	04/09/2018
FL	WASTEWATER	Wastewater Facility Regulation Database	Department of Environmental Protection	05/01/2018	05/08/2018	05/22/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/20/2017	12/21/2017	03/23/2018
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2017	01/24/2018	04/13/2018
US	CORRACTS	Corrective Action Report	EPA	12/11/2017	12/26/2017	02/09/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/04/2018	01/19/2018	04/13/2018

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	12/11/2017	12/22/2017	01/05/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/13/2018	01/19/2018	03/02/2018
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	01/16/2018	01/19/2018	03/23/2018
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/07/2016	01/05/2017	04/07/2017
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
US	FINDS	Facility Index System/Facility Registry System	EPA	02/21/2018	02/23/2018	03/23/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/20/2018	02/21/2018	03/23/2018
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	01/19/2018	01/19/2018	03/23/2018
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/14/2017	01/23/2018	04/13/2018
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2017	01/23/2018	04/13/2018
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2017	01/23/2018	04/13/2018
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/16/2017	01/23/2018	04/13/2018
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	01/06/2018	01/23/2018	04/13/2018
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2017	01/23/2018	04/13/2018
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2017	01/23/2018	04/13/2018
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	09/30/2017	01/23/2018	04/13/2018
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/14/2017	01/23/2018	04/13/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2017	01/23/2018	04/13/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2017	01/23/2018	04/13/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/16/2017	01/23/2018	04/13/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/24/2017	07/27/2017	12/08/2017
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/13/2018	01/23/2018	04/13/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2017	01/23/2018	04/13/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	09/30/2017	01/23/2018	04/13/2018
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/09/2018	02/06/2018	03/02/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	01/09/2018	02/06/2018	05/11/2018
US	LUCIS	Land Use Control Information System	Department of the Navy	02/16/2018	02/22/2018	05/11/2018

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	12/11/2017	12/22/2017	01/05/2018
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	06/01/2017	06/09/2017	10/13/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/11/2017	12/22/2017	01/05/2018
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	01/03/2018	01/04/2018	04/13/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/11/2017	12/26/2017	02/09/2018
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2017	11/17/2017	12/08/2017
US	ROD	Records Of Decision	EPA	01/09/2018	02/06/2018	05/11/2018
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	01/09/2018	02/06/2018	04/13/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/09/2018	02/06/2018	04/13/2018
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	01/19/2018	01/19/2018	02/09/2018
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	01/11/2018	01/19/2018	03/02/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2018	03/01/2018	05/11/2018
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2018	02/27/2018	05/11/2018
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	01/25/2018	02/28/2018	05/11/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2016	10/31/2017	01/12/2018

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	01/03/2018	02/14/2018	03/22/2018
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	04/11/2017	07/27/2017
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2017	01/31/2018	03/09/2018
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2016	07/25/2017	09/25/2017
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2017	02/23/2018	04/09/2018
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2016	04/13/2017	07/14/2017
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
FL	Daycare Centers	Sensitive Receptor: Department of Children & Families	Provider Information			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
FL	State Wetlands	Wetlands Inventory	Department of Environmental Protection			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		PennWell Corporation			
US	Electric Power Transmission Line Data		PennWell Corporation			

### STREET AND ADDRESS INFORMATION

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

### **TARGET PROPERTY ADDRESS**

SIX PARCELS, CITY OF PALMETTO  
1540 10TH STREET WEST  
PALMETTO, FL 34221

### **TARGET PROPERTY COORDINATES**

Latitude (North):	27.518901 - 27° 31' 8.04"
Longitude (West):	82.574536 - 82° 34' 28.33"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	344491.3
UTM Y (Meters):	3044728.2
Elevation:	12 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5676058 PALMETTO, FL
Version Date:	2012

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

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

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

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



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

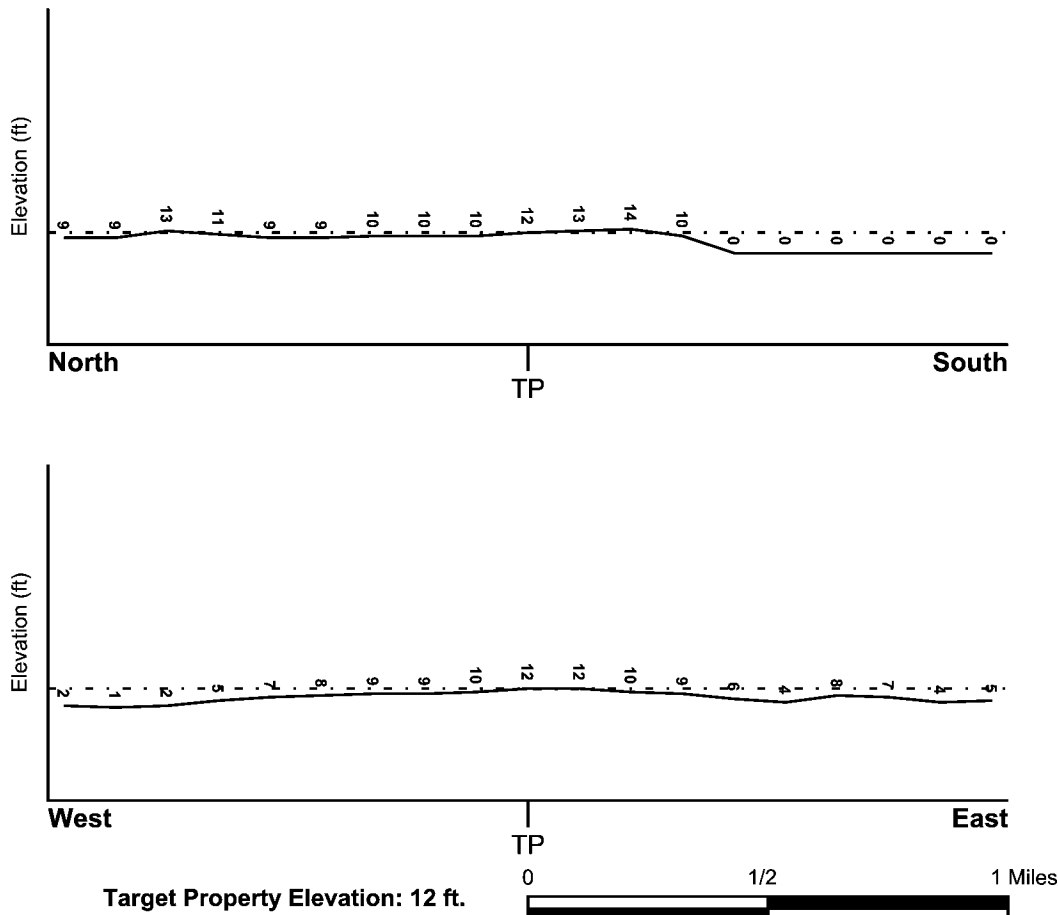
### TOPOGRAPHIC INFORMATION

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
12081C0164E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
12081C0162E	FEMA FIRM Flood data
12081C0168E	FEMA FIRM Flood data

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
PALMETTO	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.

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

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

### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

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

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

#### **ROCK STRATIGRAPHIC UNIT**

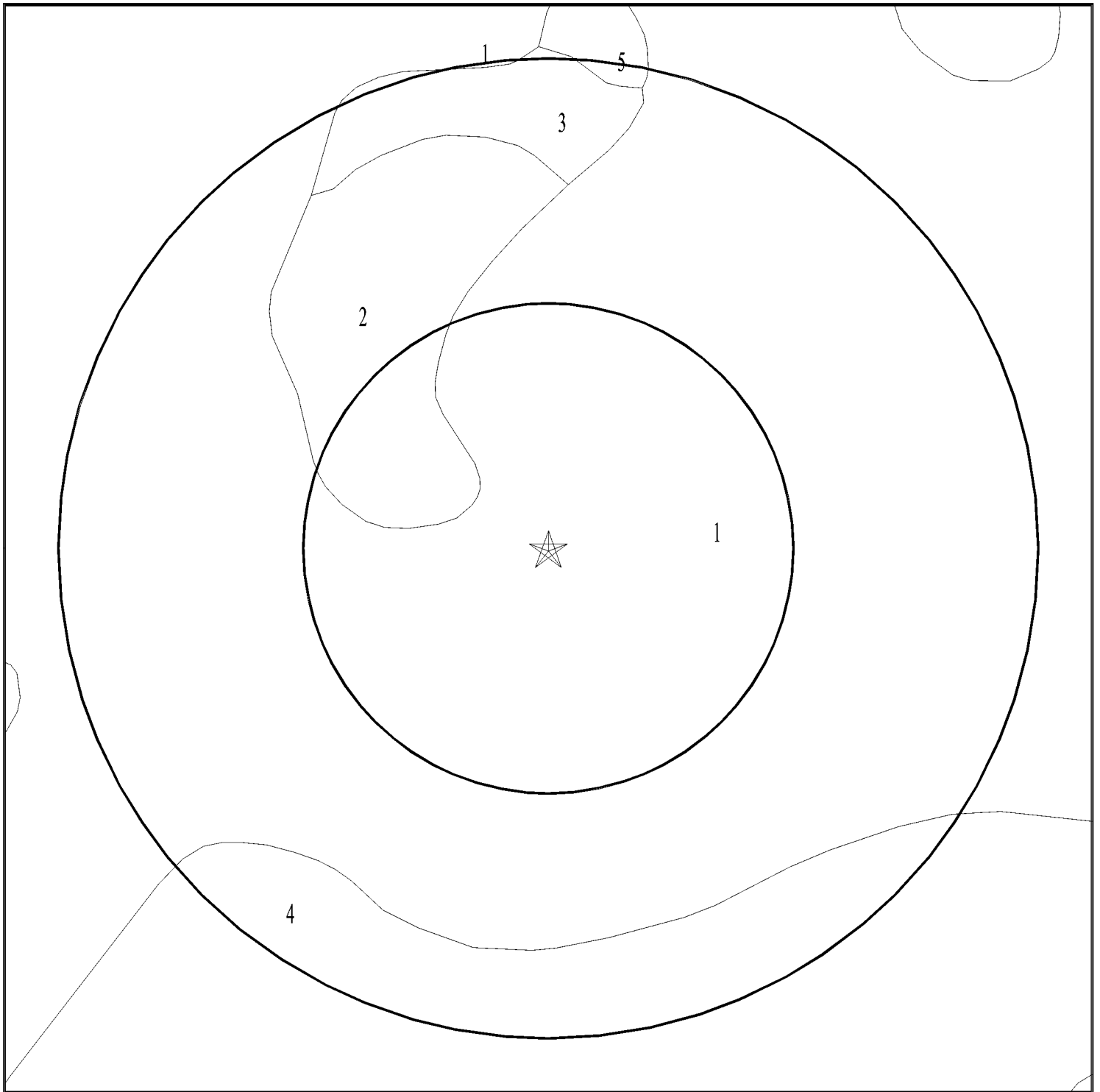
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm <i>(decoded above as Era, System &amp; Series)</i>

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

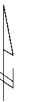
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5316666.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Six Parcels, City of Palmetto  
ADDRESS: 1540 10th Street West  
Palmetto FL 34221  
LAT/LONG: 27.518901 / 82.574536

CLIENT: Ardaman & Associates, Inc.  
CONTACT: Chip Hoover  
INQUIRY #: 5316666.2s  
DATE: May 30, 2018 5:43 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

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

#### Soil Map ID: 1

Soil Component Name: 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

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	27 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141 Min: 42	Max: 6 Min: 4.5
2	27 inches	42 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, Silty Sand.	Max: 42 Min: 4	Max: 6.5 Min: 4.5
3	42 inches	50 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: 14 Min: 0.42	Max: 7.8 Min: 4.5

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	50 inches	64 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: 4	Max: 7.8 Min: 4.5

### Soil Map ID: 2

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: All hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 8 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	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: 141 Min: 42	Max: 7.3 Min: 5.6
2	14 inches	55 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
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: 3

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 3.6



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	20 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, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 4.5
3	31 inches	37 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 5.1
4	37 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: 5.1
5	64 inches	79 inches	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: 141 Min: 42	Max: 8.4 Min: 7.4

### Soil Map ID: 4

Soil Component Name: Zolfo

Soil Surface Texture: fine sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 4.5
2	7 inches	64 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, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 4.5
3	64 inches	79 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, Silty Sand.	Max: 14 Min: 4	Max: 6.5 Min: 3.6

### Soil Map ID: 5

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	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, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.6
2	14 inches	55 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
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

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

### WELL SEARCH DISTANCE INFORMATION

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000241746	1/8 - 1/4 Mile NNW
3	USGS40000241722	1/8 - 1/4 Mile South
6	USGS40000241725	1/4 - 1/2 Mile East
A7	USGS40000241771	1/2 - 1 Mile NNW
12	USGS40000241775	1/2 - 1 Mile North
15	USGS40000241743	1/2 - 1 Mile West
24	USGS40000241779	1/2 - 1 Mile NW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION







MAP ID	WELL ID	LOCATION 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	FLSA80000050379	0 - 1/8 Mile SSW
4	FLSW70000031279	1/4 - 1/2 Mile ENE
5	FLSA80000050391	1/4 - 1/2 Mile NE
A8	FLDGW4000011045	1/2 - 1 Mile NNW
A9	FLDGW4000011046	1/2 - 1 Mile NNW
A10	FLDGW4000011047	1/2 - 1 Mile NNW
11	FLSW70000030952	1/2 - 1 Mile East
13	FLSW70000030953	1/2 - 1 Mile ENE
B14	FLSW70000013687	1/2 - 1 Mile NNW
16	FLSA80000081955	1/2 - 1 Mile NNE
B17	FLSA80000050372	1/2 - 1 Mile NNW
18	FLSW70000013685	1/2 - 1 Mile NNW
19	FLSA80000051419	1/2 - 1 Mile East
C20	FLSA80000068455	1/2 - 1 Mile NNE
C21	FLSA80000073454	1/2 - 1 Mile NNE
C22	FLSA80000068457	1/2 - 1 Mile NNE
D23	FLSW70000030428	1/2 - 1 Mile NE
25	FLSW70000030962	1/2 - 1 Mile ESE
C26	FLSA80000068456	1/2 - 1 Mile NNE
27	FLSW70000030429	1/2 - 1 Mile ENE
28	FLSW70000030954	1/2 - 1 Mile NE
29	FLSW70000030959	1/2 - 1 Mile SE
E30	FLSW70000033950	1/2 - 1 Mile NNE
E31	FLSW70000033949	1/2 - 1 Mile NNE
F32	FLSW70000013686	1/2 - 1 Mile NNW
33	FLSW70000030960	1/2 - 1 Mile East
D34	FLSW70000030427	1/2 - 1 Mile NE
35	FLSW70000030430	1/2 - 1 Mile NE
F36	FLSW70000014041	1/2 - 1 Mile NNW

The map displays a section of Jacksonville, Florida, centered on a yellow star at the intersection of 7th St W and US-41 Byp S. Two concentric circles are drawn around this central point, representing a 1/4 mile and a 1/2 mile radius. The area is overlaid with a grid of streets, including 19th Ave W, 24th Ave W, 4th St W, 7th St W, 10th St W, 13th St W, 17th St E, and US-41 Byp S, US-41 Byp N, and US-41 Byp W. The Seaboard Coast Line Railroad is shown running vertically through the center. Various locations are marked with blue circles containing a 'W' and a number, and some are labeled with letters A through F. An inset map in the bottom right corner shows the location of Jacksonville within the state of Florida.

-  Groundwater Flow Direction
-  Sink holes
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data
-  Oil, gas or related wells

CLIENT: Ardaman & Associates, Inc.  
CONTACT: Chip Hoover  
INQUIRY #: 5316666.2s  
DATE: May 30, 2018 5:43 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

1 SSW 0 - 1/8 Mile Higher	<a href="#">Click here for full text details</a>	FL WELLS	FLSA80000050379
2 NNW 1/8 - 1/4 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000241746
3 South 1/8 - 1/4 Mile Higher	<a href="#">Click here for full text details</a>	FED USGS	USGS40000241722
4 ENE 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FL WELLS	FLSW70000031279
5 NE 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FL WELLS	FLSA80000050391
6 East 1/4 - 1/2 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000241725
A7 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FED USGS	USGS40000241771
A8 NNW 1/2 - 1 Mile Lower	<a href="#">Click here for full text details</a>	FL WELLS	FLDGW4000011045

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

A9  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLDGW4000011046

A10  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLDGW4000011047

11  
East  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030952

12  
North  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FED USGS

USGS40000241775

13  
ENE  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030953

B14  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000013687

15  
West  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FED USGS

USGS40000241743

16  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSA80000081955

B17  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSA80000050372



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

18  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000013685

19  
East  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSA80000051419

C20  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSA80000068455

C21  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSA80000073454

C22  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSA80000068457

D23  
NE  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030428

24  
NW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FED USGS

USGS40000241779

25  
ESE  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030962

C26  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSA80000068456

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

27  
ENE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000030429

28  
NE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000030954

29  
SE  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030959

E30  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000033950

E31  
NNE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000033949

F32  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000013686

33  
East  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000030960

D34  
NE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000030427

35  
NE  
1/2 - 1 Mile  
Higher

[Click here for full text details](#)

FL WELLS

FLSW70000030430

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

F36  
NNW  
1/2 - 1 Mile  
Lower

[Click here for full text details](#)

FL WELLS

FLSW70000014041

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## 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.

Source: U.S. Geological Survey

## **HYDROLOGIC INFORMATION**

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### **State Wetlands Data: Wetlands Inventory**

Source: 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 Service (NRCS)

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

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### DEP GWIS - Generalized Water Information System Well Data

Source: Department of Environmental Protection

Telephone: 850-245-8507

Data collected for the Watershed 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

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

## STREET AND ADDRESS INFORMATION

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## Stationary Tank Registration/Notification Form

RECEIVED  
D.E.R.

Form 17-1.218(2)

87 DEC 24 AM 10:30

BY: B.B.

NAME: Manatee School District  
 MAIL ADDRESS: P.O. Box 9069  
 CITY/STATE: Bradenton, Florida 34206-9069

FACILITY LOCATION  
 ADDRESS: Palmetto Elementary  
 CITY/STATE: 719 9th Avenue  
 Palmetto, Florida 34221-4698

Use this form to comply with the following requirements of the  
 Stationary Tank Rule Chapter 17-61, Florida Administrative Code.

(Make corrections to name and addresses here)

BUREAU OF  
WASTE MANAGEMENT

1. Facility name and street address

Facility address

Mailing address

- Each owner or operator shall register the following with the department:
  - All existing facilities by December 31, 1984. (Questions 1-19)
  - All new storage systems or facilities at least 10 days prior to the start of installation of tanks except in the case of emergency replacement. (Questions 1-19)
  - A non-pollutant containing installation which is to be converted to a facility, at least 10 days prior to the placement of pollutants in such a facility. (Questions 1-19)
- Each owner or operator shall notify the department of the following:
  - All storage systems within 10 days of abandonment. (Questions 1-12, 16, 20)
  - Facility sale within 10 days of sale. Notice shall be made by the seller. (Answer questions 1-7, and 11. Question 7 about the new owner)
  - Retooling within 10 days of completion. (Questions 1-19)
- You may notify the department of a change of operator. (Questions 1-6)

## Agency Use Only

PLEASE PRINT OR TYPE

2. Facility number (DER will provide this number) 418841969 3. Date 12/15/87
4. Federal Employment Identification (number used to file IRS forms) \_\_\_\_\_
5. County Code (see enclosed letter). 41
6. Operator of facility Manatee School District  
 Effective date (only for change of operator): N/A Telephone number: 813 746 5171
7. Company/Person owning tanks and piping: Manatee School District  
 Address: 215 Manatee Ave. West, Bradenton, Florida  
 Contact person: Arnold Wilhoite Telephone number: 813 746 2090  
 Effective date (only for change of owner): \_\_\_\_\_

8. How many tanks at this location have an individual storage capacity of greater than 550 gallons and store vehicular fuel made from petroleum?  
1 Underground 27 Aboveground 31
9. Facility location. Latitude 27° 31' 03" Longitude: 82° 34' 30" Section 14 Township 34S Range 17E  
 This information is listed on property deeds, and in the offices of the property appraiser and tax assessor.
10. Sketch the facility on a separate page showing the APPROXIMATE location of buildings, tanks, and dispensers.  
 A. Draw a line from tank to dispenser to show which are connected by piping.  
 B. Label each tank as Tank 1, Tank 2, etc.  
 C. Write the date and your facility number, if known, or name and address exactly as it appears above.  
 D. Keep a copy of your sketch.

REFER TO TANKS BY THESE LABELS IN ANY COMMUNICATION WITH THE DEPARTMENT  
 DESCRIBE PIPING BY THE NUMBER OF THE TANK IT IS ATTACHED TO

11. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE

Manatee School District - Arnold Wilhoite

Name of owner, operator or authorized representative

Signature of owner, operator or authorized representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS

MAIL TO: DER Stationary Tank Registration  
 2600 Blair Stone Road  
 Room 603  
 Tallahassee, Florida 32301



[illegible]

List 14	List 17U UNDERground Tanks	List 17A ABOVEground Tanks	List 18	List 19	List 20
Tank contents are	Underground tank:	Aboveground tank:	Integral Piping System has:	Monitoring system is:	Tank disposal method.
A. leaded gasoline.	A. has overflow protection.	O. has overflow protection.	A. no parts in contact with the soil.	A. automatically sampled well(s).	A. Filling.
B. unleaded gasoline.	B. is interior lined.	P. is surrounded by impervious dike.	Parts contacting the soil which are:	B. manually sampled well(s).	B. Removal.
C. Alcohol enriched gasoline.	C. is painted/asphalted steel.	Q. is surrounded by earth dike.	B. unprotected metal.	C. groundwater monitoring plan.	C. Retrotilling.
D. diesel fuel.	D. is of unknown type.	R. rests on an impervious base.	C. built of corrosion resistant materials.	D. SPCC plan.	F. Other.
E. aviation fuel.	E. is fiberglass type.	S. rests on a earth/gravel base.	D. corrosion resistant coated.	E. well/detector in secondary containment.	
Z. other.	F. is fiberglass-clad steel.	T. has interior lined bottom.	E. cathodically protected.	F. in-ground detector.	
	G. is sacrificial anode type.	U. is cathodically protected.	F. double-walled.	G. within walls of double-walled tank.	
	H. is impressed current type.	V. is built of/coated with corrosion resistant materials.	G. within a secondary containment.	H. continuous in piping.	
	I. is double walled.	W. is supported above the soil.	H. interior lined.	I. not required.	
	J. is concrete.	Z. is or has none of the above.	M. none of the above.	N. none of the above.	
	K. is in secondary containment.				
	N. is or has none of the above.				

PALMETTO ELEMENTARY

↑  
S

7<sup>th</sup> ST. W

← E

9<sup>th</sup> AVENUE W

10<sup>th</sup> AVENUE W

W →

BOILER

OFFICE

PAVED DRIVE

PARKING

⊗ TRAIL

CATERING

8<sup>th</sup> ST W

N  
↓

# DATA ENTERED



OCT 30 1989

ANDREA POOLE

By

STATE OF FLORIDA

Department of Environmental Regulation

STORAGE TANK NOTIFICATION FORM

Form 17-51.090 (3)

RECEIVED

OCT 05 1989

STORAGE TANK  
REGULATION

PLEASE PRINT OR TYPE

- (1) DER facility number (if known) 418841969 (2) County Code 41  
 (3) Original registration data revision X  
 (4) Facility type (see code list (4) on back) H

Location

- (5) Facility name Palmetto Elementary  
 Street address/city/state/zip 719 9th Avenue, Palmetto, Florida 34221-4698  
 Mailing address/city/state/zip Same as above

- (6) Operator Manatee School District Telephone # (813) 741-7200  
 New operator date (only for change of operator) / /

- (7) Company/person owning tank(s) and piping Manatee School District  
 Company address/city/state/zip P.O. Box 9069, Bradenton, Florida, 34206-9069

Contact person Mr. Roger Hesselbart Telephone # (813) 741-7309  
 New owner date (only for change of owner) / /

- (8) Location (if available): Latitude 27°31'05" Longitude 82°34'30"  
 Section 14 Township 34S Range 17E

PLEASE FILL OUT ONE LINE FOR EACH TANK WITH CODES LISTED ON BACK

Fill out columns (9) through (16) for tanks in use, and (17) through (19)  
 for tanks out of use

(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1	1,000	M	X	U	C	B	I	B	O	9/30/89

17, 18, 19 for tanks  
retrofitted, removed  
abandoned, etc.

- (20) American Compliance Technologies, Inc.  
Pollutant Storage System Specialty  
Contractor Name  
 For new tank installation or tank removal

DPR # 048392  
 Department of Professional Regulation  
 Certificate Number

To the best of my knowledge and belief all information submitted on this form is  
 true, accurate and complete.

Dale R. Jenkins, Senior Geologist (GAI)  
 Print name and title of owner, operator  
 or authorized person

Dale R. Jenkins  
 Signature

10/4/89  
 Date

NOTE: PUT "X" IF ANSWER IS UNKNOWN. This form may be reproduced. For each tank whether in use or out of use, use one row across. Use more than one letter per column, if applicable. When a mixture of several hazardous substances is stored in one tank, enter the name of the substance of greatest quantity. Provide a sketch of tank location in reference to a stationary structure. The tank number on the sketch must agree with the number on the form. Attach extra pages if necessary and write your facility number, if known, or name and address, exactly as it appears on the form.

# INFORMATION CODE LIST

## List (4)

### Facility Type

- A. service station
- B. residence
- C. business (no fuel sold)
- D. bulk petroleum storage
- E. industrial plant
- F. federal government (give GSA#)
- G. state government
- H. local government
- I. collection station
- K. bulk chemical storage
- L. chemical user facility
- M. agricultural facility
- N. facility on Indian land.
- S. small user facility
- T. terminal facility/marina

## List (9)

### Tank Number

## List (10)

### Tank Size Gallons

## List (11)

### Tank contents are:

- A. leaded gasoline
- B. unleaded gasoline
- C. unleaded gasohol
- D. vehicular diesel
- F. aviation gas
- G. jet fuel
- H. concrete
- I. sand
- K. kerosene
- L. used (waste) oil
- M. diesel (boilers & generators)
- N. leaded gasohol
- O. new oil
- P. pesticide (write in name)
- R. ammonia compound (write in name)
- S. chlorine compound (write in name)
- V. hazardous substance (write in name or Chemical Abstract Service (CAS) number)
- W. water
- Z. other (write in name)

## List (12)

### Tank Installation Date/Month/Year

## List (13)

### Underground or Aboveground (write U or A)

No skid or portable tanks

## List (14) U

### Underground tank

- A. has overflow protection
- B. is interior lined
- C. is painted/asphalted steel
- D. is of unknown type
- E. is fiberglass type
- F. is fiberglass-clad steel
- G. is sacrificial anode type
- H. is impressed current type
- I. is double walled
- K. is in secondary containment
- L. compartmented

## List (14) A

### Aboveground tank

- M. is double-walled
- P. is surrounded by impervious dike
- Q. is surrounded by earth dike
- R. rests on an impervious base
- S. rests on an earth/gravel base
- T. has interior lined bottom
- U. is cathodically protected
- V. is built of/coated with corrosion resistant material
- W. is supported above the soil

## List (15)

### Integral piping system has:

- A. no parts in contact with the soil
- Parts contacting the soil which are:
- B. galvanized or unprotected metal
- C. built of corrosion resistant metal
- D. corrosion resistant coated
- E. cathodically protected
- F. double-walled
- G. within a secondary containment
- H. interior lined

## List (16)

### Monitoring system is:

- A. automatically sampled well(s)
- B. manually sampled well(s)
- C. groundwater monitoring plan
- D. SPCC plan
- E. well/detector in secondary containment
- F. in-ground detector
- G. within walls of double-wall tank
- H. continuous in piping
- I. not required

## List (17)

### Tank disposal method

- A. abandoned in place, filled with sand or concrete
- B. removed from site
- C. re-erected
- F. abandoned in place, but not filled with sand or concrete

## List (18)

### Gallons Left

## List (19)

### Date Abandoned Month/Year

### DER approved alternate procedure(s), if applicable:

MAIL TO: DER Stationary Tank Registration  
2500 Blair Stone Road  
Tallahassee, Florida 32309-2400

KEEP A COPY OF THIS FORM AND SKETCH FOR YOUR FILES



# GURR & ASSOCIATES, INC.

ENVIRONMENTAL CONSULTANTS

500 South Florida Avenue, Suite 700  
Lakeland, Florida 33801  
(813) 683-4646  
(813) 688-4426 FAX  
(800) 683-GURR

DATA ENTERED

OCT 27 1989

ANDREA RUOLE

By \_\_\_\_\_

RECEIVED

OCT 05 1989

STATIONARY TANK  
REGULATION

October 4, 1989

Department of Environmental  
Regulation  
Stationary Tank Registration  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attention: Ms. Anne Sinclair

Ladies and Gentlemen:

DER Stationary Tank  
Notification Forms  
Data Revisions  
DER Facility No. 418841968  
DER Facility No. 418841969  
DER Facility No. 418841972  
For the School Board of  
Manatee County

Enclosed for your files are revised Storage Tank Registration Forms for the above-referenced facilities. Each form reflects the abandonment and removal of a tank from each site by a licensed PSSSC. This correspondence also serves notice of abandonment procedures as required in FDER Chapter 17-61, Section 17-61.005(1)(b)1, F.A.C.

If you have any questions or require additional information, please do not hesitate to contact our office. Thank you.

Very truly yours,

GURR & ASSOCIATES, INC.

*Michael A. Graves*

Michael A. Graves, PG  
Vice President  
Water Resources

*Dale R. Jenkins*

Dale R. Jenkins  
Senior Geologist

MAG/DRJ/rf/MCSB-012D,E,F/M29

Enclosures

cc: Mr. Paul Panik, FDER, Southwest District  
Mr. Roger Hesselbert, School Board of Manatee County

# STORAGE TANK REGISTRATION CODES LIST

## (#2) FACILITY TYPE CODES

- A. Retail/fuel seller
- B. Residence
- C. Non-retail/fuel user not seller
- D. Inland bulk petroleum storage
- E. Industrial plant
- F. Federal government
- G. State government
- H. Local, city government
- I. County government

- J. Collection station
- K. Bulk chemical storage
- L. Chemical user facility
- M. Agricultural facility
- N. Indian land
- T. Bulk product facility
- V. Marine fueling facility
- Z. Other: \_\_\_\_\_

- (4) County code
- (5) Facility information

## (#6) FINANCIAL RESPONSIBILITY CODES

- A. State Program - Third Party Liability/State contractor (FPLIPA/AIG)
- B. State Program - Third Party Liability/Self insurance with other carrier;  
other federal financial responsibility mechanism.
- C. Other coverage meeting federal financial responsibility requirements.
- D. None

- (7) Owner information
- (8) Tank site information
- (9) Tank number
- (10) Tank size

## (#11) CONTENT CODES

- A. Leaded gasoline
- B. Unleaded gasoline
- C. Gasohol
- D. Vehicular diesel
- E. Aviation gasoline
- F. Jet fuel
- G. Diesel; emergency generator
- H. Diesel; generator or pump
- K. Kerosene
- L. Waste oil

- M. Fuel oil; on-site heating, only
- N. Fuel oil; distribution
- O. New/tube oil
- Q. Pesticide
- R. Ammonia compound
- S. Chlorine compound
- T. Hazardous substance
- U. Mineral acid
- V. Bunker 'C' residual oil
- W. Petroleum additive (pollutant)

- Y. Unknown
- Z. Other: \_\_\_\_\_
- (12) Tank installation date
- (13) Tank placement (U or A)

## (#14) TANK CONSTRUCTION CODES

- A. Overfill protection - ball check valve
- B. Interior lined or lined bottom steel
- C. Bare, painted, or asphalted steel
- D. Unknown
- E. Fiberglass
- F. Fiberglass-clad steel, composite
- G. Cathodically protected & coated steel, sacrificial anode
- H. Cathodically protected & coated steel, impressed current
- \*I. Double-walled
- \* Includes fiberglass, steel, jacketed, or concrete-enclosed tanks

- J. Secondary containment, synthetic liner
- K. Secondary containment, concrete
- L. Compartmented
- M. Spill containment
- N. Overfill protection - flow shut off
- O. Overfill protection - tight fill
- P. Impervious berm
- Q. Earth berm
- R. Impervious base
- S. Earth base
- T. Small use tank
- U. Field erected tank
- W. Tank built on supports

- X. Concrete
- Y. Other: \_\_\_\_\_
- Z. Department approved alternate

## (#15) PIPING CONSTRUCTION CODES

- A. Aboveground, not in contact with soil
- B. Galvanized or unprotected metal
- C. Fiberglass
- E. Cathodically protected steel
- F. Double-walled
- G. Secondary containment
- H. Airport hydrant piping

- I. Suction piping system
- J. Pressurized piping system
- K. Dispenser liners
- L. Bulk product piping
- Y. Unknown
- Z. Department approved alternate

## (#16) LEAK DETECTION METHODS

- A. Auto sampled wells
- B. Manual sampled wells
- C. Groundwater monitoring plan/en
- D. SPCC plan
- E. Interstitial monitoring, tank liners
- F. Interstitial monitoring, double-wall tank
- G. Piping/in-line leak detectors with auto shut-off

- H. Piping/in-line flow restrictors
- I. Not required, see rule for exemptions
- J. Interstitial monitoring, piping liners
- K. Interstitial monitoring, double-walled piping
- L. Automatic tank gauging system
- M. Manual tank gauging system
- N. Groundwater monitoring
- O. Vapor monitoring

- X. None
- Y. Unknown
- Z. Department approved alternate

## (#17) TANK STATUS/DISPOSAL CODES

- \*A. Properly closed in place: underground tank filled with sand or concrete;  
aboveground tank properly closed
- \*B. Removed from the site . . . \*A or B: Closure Assessment required
- F. Unmaintained storage tank - tank not in use and not properly disposed;  
or tank discovered abandoned
- T. Temporary out-of-service
- U. In-service

- (18) Gallons left
- (19) Status date
- (20) Specialty Contractor

**APPENDIX 16.6**  
**INTERVIEW DOCUMENTATION**

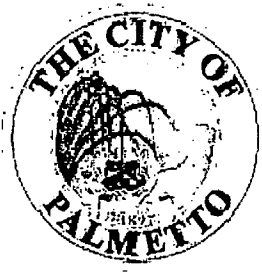
## Hoover, Chip

---

**From:** Allen Tusing <atusing@palmettofl.org>  
**Sent:** Monday, May 21, 2018 3:25 PM  
**To:** Hoover, Chip  
**Cc:** Will Robinson; Mike Pendley; Mark Barnebey; Stephen Dye  
**Subject:** RE: City of Palmetto/Old Palmetto Elementary School site [IWOV-BWPA\_WORKSITE.FID1014054]

Chip Please see below the email that the School Board does not have an objection.

*Allen R. Tusing  
Director of Public Works  
City of Palmetto*



"It is amazing what you can accomplish if you do not care who gets the credit."

~ Harry S. Truman

**From:** Stephen Dye [mailto:sdye@dyeharrison.com]  
**Sent:** Monday, May 21, 2018 2:51 PM  
**To:** Mark Barnebey; Mike Pendley  
**Cc:** Will Robinson; Allen Tusing  
**Subject:** RE: City of Palmetto/Old Palmetto Elementary School site [IWOV-BWPA\_WORKSITE.FID1014054]

Mark

There is no objection, please forward this to the person you are using at Andaman.

Thx please keep me posted.

Steve

**Stephen R. Dye, Esq.**  
*Dye, Harrison, Kirkland, Petruff, Pratt & St. Paul, PLLC  
1206 Manatee Avenue West  
Bradenton, Florida 34205  
Phone: (941)748-4411  
Fax: (941)746-9229  
[sdye@dyeharrison.com](mailto:sdye@dyeharrison.com)*



OUR OFFICE HAS RELOCATED. PLEASE NOTE OUR NEW CONTACT INFORMATION ABOVE.

This e-mail is intended solely for the use of the individual to whom it is addressed and may contain information that is privileged, confidential or otherwise exempt from disclosure under applicable law. If the reader of this e-mail is not the intended recipient (or the employee or agent responsible for delivering the message to the intended recipient), you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender by reply e-mail and then delete this e-mail. Thank you.

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**From:** Mark Barnebey <mbarnebey@blalockwalters.com>  
**Sent:** Monday, May 21, 2018 11:31 AM  
**To:** Stephen Dye <sdye@dyeharrison.com>; pendleym@manateeschools.net  
**Cc:** Will Robinson <wrobinson@blalockwalters.com>; Allen Tusing <atusing@palmettofl.org>  
**Subject:** FW: City of Palmetto/Old Palmetto Elementary School site [IWOV-BWPA\_WORKSITE.FID1014054]

Steve and Mike – First, the City Commission approved the contract with the School Board on May 7, 2018 and we have received the deposit and placed it in escrow.

Please see the correspondence below from Ardaman and Associates regarding a Phase I review for the old Palmetto Elementary School site. Does the District have any objections to Ardaman performing such work for the City? If so, can you let both Ardaman and me know. Thanks. Mark

Mark P. Barnebey  
Board Certified in City, County and Local Government Law



802 11th Street West | Bradenton FL 34205  
2 North Tamiami Trail, #408 | Sarasota, FL 34236

Office 941.748.0100 | Facsimile 941.745.2093  
[mbarnebey@blalockwalters.com](mailto:mbarnebey@blalockwalters.com)

To ensure compliance with Treasury Department regulations, we advise you that, unless otherwise expressly indicated, any tax advice contained in this communication (including any attachments) was not intended or written to be used, and cannot be used for the purpose of (i) avoiding tax-related penalties under the Internal Revenue Code or applicable state or local tax law provisions or (ii) promoting, marketing or recommending to another party any tax-related matters addressed herein.

Confidentiality Notice - This message is being sent by or on behalf of an attorney. It is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is proprietary, privileged or confidential or otherwise legally exempt from disclosure. If you are not the named addressee, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you have received this message in error, please notify the sender immediately by e-mail and delete all copies of this message.

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**From:** Allen Tusing <atusing@palmettofl.org>  
**Sent:** Monday, May 21, 2018 10:06 AM  
**To:** Jim Freeman <jfreeman@palmettofl.org>; Mark Barnebey <mbarnebey@blalockwalters.com>  
**Subject:** FW: Phase I Audit

Here is my response from Ardaman

*Allen R. Tusing  
Director of Public Works  
City of Palmetto*

## **Conclusions**

Based on the information gathered for purposes of this Phase I Environmental Site Assessment, the potential is low for the subject property to have significant quantities of hazardous substance or wastes present due to:

- No prior detrimental use of the subject property was identified. It does appear that a small portion of the site was historically utilized for small engine repair (mower and outboard motor). Therefore, waste maintenance fluids may have been inappropriately disposed. No major disposal activities, however, are suspected. While soils analysis revealed slight exceedances for Benzo(a) Pyrene, groundwater analysis did not reveal any significant impacts.
- Neither the subject property nor nearby facilities were identified as regulated or contaminated sites such that negative environmental impact to the subject property is anticipated.
- Observations made during site reconnaissance did not reveal evidence or typical indicators of prior contamination of the site.

This assessment has revealed no evidence of recognized environmental conditions, as discussed above, in connection with the subject site, except for the following.

- Soil sampling and analysis conducted in the immediate vicinity of the former on-site small engine repair location revealed slight exceedances of the SCTL's for both Benzo (a) Pyrene, Benzo (a) Pyrene Equivalents and Arsenic. No impact to groundwater was identified in the vicinity and it is assumed that the area is localized and surficial in nature.

## **Recommendations**

Ardaman & Associates, Inc. recommends conducting additional soil sampling and analysis in the immediate vicinity of Soil Sample SS-2 and SS-7 to identify the extent of surficial contamination and appropriate removal and off-site disposal of all identified soil impacts. It is also our understanding that the site will be developed for educational facilities and therefore, on-site structures may require demolition or removal. An asbestos survey will be required prior to demolition of the existing structures.

**APPENDIX 16.7**

**SPECIAL CONTRACTUAL CONDITIONS**



Ardaman & Associates, Inc.

Geotechnical, Environmental and  
Materials Consultants

May 24, 2018  
File No. 18-8252

TO: City of Palmetto

ATTENTION: Allen Tusing, Director of Public Works  
([atusing@palmettofl.org](mailto:atusing@palmettofl.org))

SUBJECT: Proposal for Phase I Environmental Site Assessment (ESA) for Six Parcels at 9<sup>th</sup>  
Avenue and 10<sup>th</sup> Street West, Palmetto, Florida

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Ladies and Gentlemen:

Ardaman & Associates Inc. (Ardaman) is pleased to submit this proposal to perform a Phase I Environmental Site Assessment (ESA) at the above referenced site in general accordance with ASTM E-1527-13. The purpose of this assessment is to identify Recognized Environmental Conditions (RECs). REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The ESA is intended to satisfy one of the requirements for innocent landowner defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Site consistent with good customary practice," as defined in 42 U.S. Code Section 9601 (35)(B).

### **Scope of Services**

We understand that the site of this Phase I ESA consists of Six Manatee County Property Folio Numbers 2699200008, 26993000055, 2700200054, 2698200009, 2698210008 and 2705200109 at 9<sup>th</sup> Avenue and 10<sup>th</sup> Street West in Palmetto, Florida. The property is partially developed encompassing approximately 8.5 acres. We will need verification of site location. A site location map and a site layout plan to scale are requested to locate property boundaries and site facilities in the field.

The owner's assistance will be needed to provide access to all areas within the subject property. The owner agrees to provide Ardaman with any and all knowledge of materials on the property, correspondence from environmental regulatory agencies and previous studies and reports regarding the environmental condition of the property, including the results of all chemical tests that may have been conducted on soil or groundwater samples obtained from the site.

Once the documentation is provided, we will conduct assessment activities in general accordance with ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Our scope of services will include a review of readily available records, historical aerial photographs, maps, regulatory data bases, conducting interviews with knowledgeable individuals and site and area reconnaissance as required by the standard.

As required by the ASTM E-1527-13 standard, for the Client/"User" to qualify for the innocent landowner liability protection, the "User" is responsible for providing Ardaman with any documentation concerning knowledge of environmental liens or any potential environmental issue on the property in their or their agent's possession. The Client/"User" is also responsible for notifying Ardaman if the purchase price of the subject property has been affected by environmental issues. In order to fulfill the "User's" responsibility, please complete the attached "User" questionnaire so that these responses may be addressed in the written report.)

Our report will consist of a presentation of the information gathered during the course of our assessment, which will be presented in the appendices for your review. The narrative portion of our report will summarize the results of the information gathered on a task-by-task basis. The information gathered will then be used to develop an opinion on the existence of hazardous substances or petroleum products on the property and identified recognized environmental conditions.

In the event that the information gathered in this assessment reveals that a potential for contamination exists from on-site or off-site sources, we will communicate this to you in our report. Typically, such a discovery indicates that there is a need for additional services to confirm or refute the presence of such contamination. The Phase I process does not include soil or groundwater sampling and as such is not adequate to confirm or explore for the presence of contamination. It is not adequate to delineate contamination if present. Following your approval, we would be pleased to develop a scope of services and cost proposal before undertaking such additional services.

Our assessment will not address the existence and environmental condition of any wetlands within the property, with the exception of the presence of hazardous substances or petroleum products in those areas. We will not address the existence of any threatened or endangered species on the property nor cultural, historic or ecological resources. Furthermore, this assessment will not address industrial hygiene concerns, such as the presence of bacteria, mold or viruses, resulting in a "sick building" syndrome nor biological agents. No air sampling will be performed.

Our services do not include testing for vapor intrusion or the level of radon gas within any structures, nor an evaluation of the potential for the site soils to produce radon gas. Further, our services



exclude testing for the presence of asbestos, lead, or other hazardous building materials, and polychlorinated biphenyls (PCBs) in transformers occupying the site.

Our services will not include an analysis or determination as to whether the property owner or current tenant is in compliance with federal, state, or local laws, statutes, ordinances, or regulations nor will it include health and safety issues. It does not include the purchase of an Environmental Chain-of-Title Search in order to determine if there are any environmental liens or activity and use limitations with regard to the subject property. Ardaman will however review documents provided by the Client such as recorded land title records and judicial records for environmental liens or activity.

### **Fee and Estimated Time Schedule**

The cost of this Phase I ESA is **\$3700.00, lump sum**. We will complete our services in 12-15 business days from the date the signed project/proposal acceptance form is received in our office. We will provide you with a digital copy of the Phase I ESA upon completion via e-mail. A hard copy will be provided upon request. Additional reports will be provided for a cost of \$100.00 per report plus express courier service costs if requested.

### **Closure**

The Phase I Environmental Site Assessment will be performed for the sole use of the client, unless directed otherwise. Before any work can begin, please sign and return the Proposal/Project Acceptance (PPA) form which authorizes us to proceed. When returning the PPA form, please complete the entire form to help us set up your file correctly. Also, please provide us with the names and addresses of all parties who you may wish Ardaman & Associates to consider for reliance other than the client. In the event a reliance letter is requested after the project (report) has been completed and delivered, an additional cost of \$100.00 per entity will be charged for each reliance letter completed after the fact.

Please do not hesitate to contact us if you have any questions or require additional information.

Very truly yours,

**ARDAMAN & ASSOCIATES, INC.**

Florida Certificate of Authorization No. 5950



Ashby Hoover, P.E.  
Project Manager  
Fl. License No. 49942



Jerry H. Kuehn, P.E.  
Senior Project Engineer  
Fl. License No. 35557

ABH/JHK:sw



Ardaman & Associates, Inc

REPORT CERTIFICATION(S): (other than Client)

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MAILING ADDRESS FOR REPORTS: (if different than client billing address on acceptance form)

601 17<sup>th</sup> St W  
PALMETTO, FL 34221  
or email [atusing@palmettoff.org](mailto:atusing@palmettoff.org)

(941) 723-4580 Phone

(941) 723 4539 Fax



## ENVIRONMENTAL SITE ASSESSMENT USER INFORMATION

The latest ASTM Standard for Phase I Environmental Site Assessments (E 1527) requires some information from the User of the report. Please complete the following questionnaire and return it to our office. This information should be supplied prior to the initiation of the study. Please feel free to make additional comments or include more details on separate paper if you need more room. The more accurate information we have available, the better we can serve your needs. Should you have any questions concerning this questionnaire, please contact our office.

1. What is the reason this Phase I study is required? (e.g. I have a contract to purchase the property and need to understand potential environmental conditions that could materially impact the operation of a business on the property).

Contract to Purchase

2. What is the type of property and the type of transaction? (e.g. office building, vacant land; sale, purchase, exchange, etc.)

Vacant Land & Parcel w/Building for Purchase

3. What is the complete and correct address of the property? A survey, map and/or legal description will be needed to determine the boundaries of the property.

4. The ASTM standard requires the User to investigate Title Records. Are there any environmental liens on the property? Are there any activity or use limitations? If so, please explain. Has a chain-of-title search been performed or commissioned? If so, please arrange for a copy to be transmitted to our office.

To our knowledge there are no environmental Liens, There are no activity or use limitation. Yes title work is being performed

5. Has the value of the property been reduced below comparable properties due at least in part to environmental conditions associated with the property?

No



6. The ASTM E 1527 Standard is designed to qualify the User for the "Innocent Landowner Defense" regarding liability under the CERCLA Superfund act. There are other potential issues associated with a property transaction such as asbestos containing materials, the presence of wetlands, lead in drinking water, etc. that may be performed as part of a Phase I at additional cost. Additionally, some organizations or lending institutions may have requirements that go beyond the standard scope of the ASTM Phase I. Unless noted otherwise, we will assume that the purpose of the Phase I is for CERCLA liability. Are you aware of any non-scope items that need to be addressed? Unless arranged at the time that our proposal was initiated, any non-scope items may require additional cost.

OK

7. Please identify all parties who will rely on this report. Please note that all third parties relying on the report are subject to the same conditions and limitations as stated in our contract and within the report itself.

The City of Palmetto

8. Please identify the site contact for the subject property and how they can be reached. Also, please identify the current owner of the property and their contact information.

Allen R Tusing 941 723 4580, cell 941 737 0282

email atusing@palmettofl.org

9. Do you have any other knowledge about the property such as previous environmental assessment reports, documents, correspondence, known contamination issues, former use of the property that could lead to contamination, etc. concerning the subject property and its environmental condition?

No

Name of User: City of Palmetto by Allen R Tusing

Date: 5-30-2018



## PROPOSAL/PROJECT ACCEPTANCE AND AGREEMENT

### PROJECT INFORMATION:

Project Name SIX PARCELS  
Project Location 9<sup>th</sup> Avenue and 10<sup>th</sup> Street West, Palmetto, Manatee County, Florida  
Proposal Number and Date 18-8252 / May 24, 2018  
Description of Services SEE PROPOSAL  
Estimated Fee \$3,700.00

### PROPERTY OWNER IDENTIFICATION:

Name Manatee County School Board Purchasing by City  
Property Identification Number \_\_\_\_\_  
Address \_\_\_\_\_  
City/State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone \_\_\_\_\_  
Attention \_\_\_\_\_ Title \_\_\_\_\_

### SPECIAL INSTRUCTIONS:

### PAYMENT TERMS:

Payment shall be due within 30 days after date of each periodic invoice. Interest at the rate of 18% per annum (or the highest rate allowable by law) shall accrue on all amounts not paid within 30 days after date of invoice. All attorney fees and expenses associated with collection of past due invoices will be paid by Client. Failure to timely pay any invoice shall constitute a waiver of any and all claims arising from or related to Ardaman & Associates, Inc.'s services, including but not limited to the services described in this Proposal.

### PROPOSAL ACCEPTANCE:

By accepting this Proposal, the Terms and Conditions of this Proposal, including the Terms on this page, and Ardaman & Associates, Inc.'s General Conditions appearing on the following page of this Proposal, are incorporated herein by reference. In the event this Proposal Acceptance was received by facsimile, Client hereby confirms that the above described Proposal, the Terms and Conditions of this Proposal, including the Terms on this page, and Ardaman & Associates, Inc.'s General Conditions have been made available and are incorporated in this agreement.

Accepted this 30<sup>th</sup> day of May, 2018

City of Palmetto  
(Print or type individual, firm or corporate body name)

Allen R. Tusing  
(Signature of authorized representative)

ALLEN R TUSING  
(Print or type name of authorized representative and title)

## GENERAL CONDITIONS - FLORIDA

**Parties And Scope Of Work** - Ardaman & Associates, Inc. (hereinafter referred to as "A&A") shall include said company, its division, subsidiary, parent or affiliate performing the Work. "Work" means the specific services to be performed by A&A as set forth in A&A's proposal as well as any additional services requested or accepted by Client. "Client" refers to the person or business entity ordering the Work to be done by A&A. If the Client is ordering the Work on behalf of a third party, the Client represents and warrants that the Client is the duly authorized agent of said third party for the purpose of ordering and directing said Work. In the event Client is not the authorized agent of said third party, Client shall be individually liable hereunder. Further, Client shall disclose any such agency relationship to A&A in writing before the commencement of A&A's Work hereunder. Client agrees that A&A's professional duties are specifically limited to the Work as set forth in A&A's proposal. The Client assumes sole responsibility for determining whether the quantity and the nature of the Work ordered by the Client is adequate and sufficient for the Client's intended purpose. A&A's Work is for the exclusive use of Client, and its properly disclosed principal. In no event shall A&A have any duty or obligation to any third party. Directing A&A to proceed with the Work shall constitute acceptance of the terms of A&A's proposal and these General Conditions.

**On-Call Services** - In the event A&A is retained to perform construction materials testing ("CMT"), including but not limited to proctor and soil density tests, concrete tests, etc., on an On-Call basis such that A&A is not retained to perform continuous observations of construction, Client assumes sole responsibility for determining the location and frequency of sampling and testing. In such On-Call testing, A&A's test results are only representative of conditions at the test location and elevation, and different conditions may exist at other locations and other elevations. Furthermore, in the event Client fails to properly determine the location or frequency of sampling and testing, under no circumstances will A&A assume that duty by performing its CMT services.

**Right-of-Entry** - Unless otherwise agreed, Client will furnish right-of-entry on the property for A&A to make the planned borings, surveys, and/or explorations. A&A will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount.

**Damage to Existing Man-made Objects** - It shall be the responsibility of the Client to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. Client waives any claim against A&A arising from any damage to existing man-made objects. In addition, Client shall defend, indemnify and hold A&A harmless from any third party claim arising from damage to existing man-made objects.

**Limitation of Liability** - A&A shall perform services for Client in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of competent consultants practicing in the same or a similar locality as the project. In the event any portion of the services fails to comply with this obligation and A&A is promptly notified in writing prior to one year after completion of such portion of the services, A&A will re-perform such portion of the services, or if re-performance is impracticable, A&A will refund the amount of compensation paid to A&A for such portion of the services. In no event shall A&A be liable for any special, indirect, incidental, or consequential damages. The remedies set forth herein are exclusive and the total liability of A&A whether in contract, tort (including negligence whether sole or concurrent), or otherwise arising out of, connected with or resulting from any and all services provided by A&A, including but not limited to the Work, shall not exceed the total fees paid by Client or \$50,000.00, whichever is greater. Client may, upon written request received within five days of Client's acceptance hereof, increase the limit of A&A's liability by agreeing to pay A&A an additional sum as agreed in writing prior to the commencement of A&A's services. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the greater liability involved. A&A's individual professionals, employees, and agents are third party beneficiaries to these General Conditions.

**PURSUANT TO §558.0035, FLORIDA STATUTES, CONSULTANT'S INDIVIDUAL EMPLOYEES AND/OR AGENTS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE ARISING OUT OF, CONNECTED WITH, OR RESULTING FROM THEIR SERVICES PROVIDED PURSUANT TO THIS AGREEMENT.**

**Sampling or Testing Location** - Unless specifically stated to the contrary, the unit fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

**Sample Handling and Retention** - Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and A&A, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the Client to store or otherwise handle the samples. (a) **NON HAZARDOUS SAMPLES**: At Client's written request, A&A will maintain preservable test samples and specimens or the residue therefrom for thirty (30) days after submission of A&A's report to Client free of storage charges. After the initial 30 days and upon written request, A&A will retain test specimens or samples for a mutually acceptable storage charge and period of time. (b) **HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES**: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment as defined by federal, state or local statutes, regulations, or ordinances ("Hazardous Substances" and "Hazardous Constituents", respectively), A&A will, after completion of testing and at Client's expense: (i) return such samples to Client; (ii) using a manifest signed by Client as generator, will have such samples transported to a location selected by Client for final disposal. Client agrees to pay all costs associated with the storage, transport, and disposal of such samples. Client recognizes and agrees that A&A is acting as a bailee and at no time does A&A assume title of said waste.

**Discovery of Unanticipated Hazardous Materials** - Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. A&A and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. A&A and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for A&A to take immediate measures to protect health and safety. A&A agrees to notify Client as soon as practicable should unanticipated hazardous materials or suspected hazardous materials be encountered. Client encourages A&A to take any and all measures that, in A&A's professional opinion, are justified to preserve and protect the health and safety of A&A's personnel and the public. Client agrees to compensate A&A for the additional cost of working to protect employees' and the public's health and safety. In addition, Client waives any claim against A&A arising from A&A's discovery of unanticipated hazardous materials or suspected hazardous materials.

**Indemnification** - Client agrees to defend, indemnify and save harmless A&A from all claims, including negligence claims, suits, losses, personal injuries, death and property liability resulting from the actions or inactions of Client, Client's contractors, representatives, agents and employees.

**Legal Jurisdiction** - The parties agree that any litigation shall only be brought in a court of competent jurisdiction located in Orlando, Orange County, Florida. All causes of action, including but not limited to actions for indemnification and contribution, arising out of A&A's Work shall be deemed to have accrued and the applicable statutes of limitation shall commence to run not later than the date of issuance of A&A's final invoice for the Work. Each of the parties hereto irrevocably waives any and all right to trial by jury in any legal proceeding arising out of or relating to this agreement.

**Force Majeure** - A&A shall not be held responsible for any delay or failure in performance caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, act or omission of subcontractors, carrier, clients or other similar causes beyond its control.

**Drafting and Severability** - This Agreement has been drafted by all Parties hereto and shall not be construed against one Party or in favor of any other Party. In the event that any provision of this Agreement is held invalid, the remainder of this Agreement shall be fully enforceable.



# CITY OF PALMETTO

516 - 8TH AVENUE W  
PALMETTO, FL 34221

## PURCHASE ORDER 1718678

\*\*\*\*\*Vendor\*\*\*\*\*

ARDAMAN & ASSOCIATES  
78 SARASOTA CENTER BLVD

SARASOTA, FL 34240

\*\*\*\*\*DELIVER TO\*\*\*\*\*

CITY OF PALMETTO  
600 17TH STREET W

PALMETTO, FL 34221

Page: 1

Order Date	Due By	Ship Via	FOB	Terms	Customer
06/05/2018	07/31/2018	SERVICES	None	NET30	
Requisition No.	Vendor No.	Vendor Phone	Vendor Fax	Vendor Email	
REQ133600	13526	(941) 922-3526	(941) 922-6743	SWILLIAMS@ARDAMAN.COM	

No	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	EXTENDED
01	PHASE 1 ENVIRONMENTAL SITE ASSESSMENT	1	EA	3,700.000	3,700.00
	PHASE 1 ENVIRONME				
				SIX PARCELS AT 9TH AVENUE AND 10TH STREET WEST	
				2699200008	
				2699300055	
				2700200054	
				2698200009	
				2698210008	
				2705200109	
	001-512-561.0000				3,700.00

Total PO Amount **3,700.00**

### VENDOR INSTRUCTIONS:

1. Mail Invoice to: CITY OF PALMETTO  
PO BOX 1209  
PALMETTO, FL 34220-1209
2. Invoices & Packing Slips MUST Bear the PO# above.
3. With the exceptions of shipping & handling fees, purchases may NOT EXCEED the totals listed above without the prior approval of the Purchasing Dept.
4. Acceptance of this order includes acceptance of ALL terms, prices, instructions, specifications & conditions.
5. FL State Tax Exempt #85-8012621667C-2 Fed ID #59-6000403
6. If you have any questions, please call 941/723-4570 x 7112 or email nhaisley@palmettofl.org

MAY 24, 2018  
FILE NO. 18-8252

Nixa Haisley, CPPB

## **APPENDIX 16.8**

### **QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

## **ASHBY HOOVER, P.E.**

Project Engineer  
Ardaman & Associates, Inc.

### **Education:**

Master of Engineering (Environmental), Department of Civil Engineering & Mechanics, University of South Florida. August 1992

Bachelor of Science, College of Arts & Sciences, University of Florida, Gainesville, Florida, 1977

### **Professional History:**

2011-Present	Branch Manager
1991 2011	Senior Project Engineer/Environmental Department Head Ardaman & Associates, Inc., Sarasota, Florida
	Responsible for Phase I & II environmental assessments, asbestos surveys, contamination assessment reports, and analyses and recommendations for remediation of contaminated sites.
1988	Operations Manager Great Western Bank, Pensacola, Florida
	Management and supervision of liquidation of retail outlets
1985 to 1988	Outside Sales and Operations Manager Signtex Corporation, Austin, Texas
	Operations management, sales, design and supervision of construction and installation

### **Professional Registration:**

Professional Engineer, State of Florida, Fl. Lic. No. 49942, 1996.  
Licensed Asbestos Consultant, Fl. Lic. No. AX94

### **Professional Affiliations:**

Florida Engineering Society  
National Society of Professional Engineers  
Tau Beta Pi

### **Professional Development:**

Health and Safety Training for Hazardous Waste Activities, 40-Hour  
OSHA Certified Training Course  
Certified Florida Environmental Assessor  
Asbestos Facility & Building Inspector  
Asbestos Management Planner  
Asbestos Abatement Project Designer

## **JERRY H. KUEHN, P.E.**

Geohydrologist/Geotechnical Engineer  
Ardaman & Associates, Inc.

### **Education:**

Master of Science in Civil Engineering, Purdue University, West Lafayette, Indiana. 1981

Bachelor of Science in Civil Engineering, Purdue University, West Lafayette, Indiana, 1980

### **Professional History:**

1981 to      Geohydrologist and Geotechnical Engineer  
Present      Ardaman & Associates, Inc., Sarasota, Florida

Responsible for determining scope of services and manpower requirements for geotechnical and groundwater projects. Experience in siting, design, contamination assessment, groundwater monitoring, in situ permeability testing, infiltration capacity testing, geophysical surveys, and aquifer pump testing associated with liquid and solid waste disposal systems, petroleum and solvent contaminated sites. Experience in physical soils testing, deep and shallow foundation design, settlement analysis, slope stability analysis, retaining wall design, and excavation dewatering system design. Plans and supervises field and laboratory testing programs, performs engineering analysis, design and report preparation tasks.

### **Professional Registration:**

Registered Professional Engineer, State of Florida, No. 35557  
Registered Professional Engineer, State of North Carolina, No. 17733

### **Professional Affiliations:**

American Society of Civil Engineers  
Florida Engineering Society  
Association of Ground Water Scientists and Engineers,  
National Ground Water Association

### **Honoraries:**

Phi Eta Sigma  
Chi Epsilon

**LIMITED PHASE II  
ENVIRONMENTAL SITE INVESTIGATION  
FOR SIX PARCELS AT  
9<sup>TH</sup> AVENUE WEST AND 10<sup>TH</sup> AVENUE WEST,  
PALMETTO,  
MANATEE COUNTY, FLORIDA**



**Ardaman & Associates, Inc.**

**CORPORATE HEADQUARTERS**

8008 S. Orange Avenue, Orlando, FL 32809 - Phone: (407) 855-3860 Fax: (407) 859-8121

**Branch Office Locations**

Florida: Bartow, Cocoa, Fort Myers, Miami, Orlando, Port St. Lucie, Sarasota, Tallahassee, Tampa, West Palm Beach  
Louisiana: Baton Rouge, Monroe, New Orleans, Shreveport

**MEMBERS:**

ASTM International  
American Concrete Institute  
Geoprofessional Business Association  
Society of American Military Engineers  
American Council of Engineering Companies





Ardaman & Associates, Inc.

Geotechnical, Environmental and  
Materials Consultants

July 11, 2018  
File No. 18-8252

TO: City of Palmetto Purchasing Dept.  
601 17<sup>th</sup> Street West  
Palmetto, FL 34221

Attention: Allen Tusing, Director of Public Works

SUBJECT: Limited Phase II Environmental Site Investigation for Six Parcels at  
9<sup>th</sup> Avenue West and 10<sup>th</sup> Avenue West, Palmetto, Manatee County, Florida

---

Ladies & Gentlemen:

As requested, representatives of Ardaman & Associates, Inc. have conducted limited soil and groundwater assessment activities at the above-referenced site. This report will document our assessment activities and conclusions concerning the site.

As you are aware, a Phase I Environmental Site Assessment was recently completed as detailed in our report dated June 13, 2018. The conclusions of the report are as follows:

**“Conclusions:**

**Based on the information gathered, potential exists for negative environmental impacts on-site due to:**

- **An underground storage tank was historically utilized on-site for heating oil purposes.**
- **A machine shop and a small engine repair facility were operated in the storefront structure at the northwest corner of the property. Prior assessment in this area has identified a limited area of impacted soils.**
- **A dry-cleaning facility operated to the east of the northeast corner of the site. While contamination at that facility has not been identified, potential exists for impact to the subject property if inappropriate disposal practices occurred.**
- **An auto repair facility historically operated to the east of the northeast corner of the site. Likewise, if inappropriate discharges occurred at that facility, potential exists for negative environmental impact to the subject property.**

**This assessment has revealed evidence of Recognized Environmental Conditions, as discussed above, in connection with the subject site.**

**Recommendations:**

**Ardaman & Associates, Inc. recommends further investigation of the environmental condition of the subject property.”**

To address the above concerns, soil and groundwater sampling activities were conducted on June 26, 2018.

Initially, a series of twenty-nine hand auger borings were conducted in a grid pattern at the site of the former underground storage tank that was utilized for storage of heating oil. Because the former tank location was not identified on a scaled drawing, the borings were conducted in the vicinity in order to evaluate the soils for evidence of disturbance, burial activities or fill materials. While fill material was noted in several borings, no stains or odors were noted. Borings shown in yellow on **Figure 4** were conducted to a minimum depth of 2 feet or until natural soils were encountered. Borings 1 through 5 were conducted to 5 feet of depth, with soil samples collected for organic vapor analysis.

Soil borings 1 through 5 were conducted by advancing a 3½-inch nominal hand auger into the soils to the desired depth and then withdrawing the auger without rotation to facilitate collection of discrete soil samples. Samples were collected at 1-foot depth intervals (relative to the ground surface) to approximately 1 foot below the groundwater interface. On the day of sampling, groundwater was encountered at a depth of approximately 42 inches. Borings were conducted to a maximum depth of 5 feet. Soil samples retrieved were evaluated for apparent stains and odor, then placed in 8-ounce sample jars and covered with a foil lid.

Samples obtained during our field program were thoroughly examined in the field using an organic vapor analyzer (OVA), to determine the fuel content of the soil by way of a soil gas analysis. The FDEP recommends the use of this type of flame-ionization device (FID) to analyze soil samples for volatile organics in the field. Samples obtained from our site investigation were tested for volatile organic content using a TVA 1000 OVA, calibrated with methane. To obtain the OVA reading, an 8-ounce jar was half-filled with a representative soil sample and a foil lid was placed



on the jar. The OVA tubular sampling probe was then pierced through the foil lid so that head space gas was pumped through the OVA. A stable reading for head space gas was obtained instantaneously.

The OVA field sampling logs are included in **Appendix I** of this report. As indicated, no petroleum type odors or stains or positive OVA values were identified in any of the samples. Typically, an OVA response in excess of 10 ppm would dictate collection of a soil sample for laboratory analysis. Due to the absence of positive OVA readings, no soil samples were collected for submittal to the laboratory.

However, a temporary monitor well (MW-1) was installed at the location shown in **Figure 4**. Temporary Monitor Well (MW-1) was installed utilizing a Badger auger rig. The well was constructed by inserting 1.5-inch diameter, 0.010-inch PVC well screen to the bottom of the 4-inch diameter borehole and then backfilling the annular space with 20/30 sand to above the top of the screen. A layer of fine sand was placed at the surface to prevent surface water intrusion. The screen interval of the well was placed from 2 to 12.0 feet below land surface. The screen interval was connected to a 5-foot solid PVC riser, utilizing a flush-coupled joint. No glues or solvents were utilized in the well construction. The well was developed by over-pumping and surging until the water ran clear.

Monitor well MW-2 was installed and purged in a similar manner. This well was installed to address historical dry cleaning and auto repair facilities that were previously located and operated to the east, along 8<sup>th</sup> Avenue West. The well was installed to 17 feet of depth.

In order to further evaluate petroleum and arsenic impacts to soils at the northwest corner of the property, soil samples were collected around former sample locations. Samples A through F were collected utilizing pre-cleaned stainless-steel augers. The samples were collected in the upper foot of soil, also at the locations shown in **Figure 4**.

On June 26, soil and groundwater sampling was conducted. Groundwater samples were collected under low-flow conditions, utilizing a peristaltic pump. Three consecutive volumes of water were removed from the well casings, prior to sample collection. Groundwater samples



were then collected, placed in laboratory supplied vials and containers, capped, labeled and packed on ice for transport.

Soil samples were collected directly from the stainless-steel augers and placed in the appropriate laboratory supplied containers, capped, labeled and packed on ice, also for transport to the laboratory for analysis. The chain-of-custody form and laboratory analysis are included in **Appendix II.**

As indicated in the analysis, groundwater samples collected from MW-1 were analyzed for petroleum related contaminants according to EPA method 8260 for volatile aromatics, by EPA method 8270 for Polynuclear Aromatic Hydrocarbons (PAH) and for Total Petroleum Hydrocarbons (TPH) according to the FL-PRO method. All analytes of concern were non-detect at the Method Detection Limit (MDL), as indicated in the analysis. No contaminants of concern were identified.

Groundwater samples collected from MW-2 were analyzed for petroleum related contaminants and solvents according to EPA method 8260 for volatile organics, by EPA method 8270 for semi-volatile organics and for Total Petroleum Hydrocarbons (TPH) according to the FL-PRO method. All analytes of concern were non-detect at the Method Detection Limit (MDL), as indicated in the analysis. No contaminants of concern were identified.

Soil samples A, B and C were analyzed in the laboratory by EPA method 8270 for Polynuclear Aromatic Hydrocarbons (PAH). While low level contaminant concentrations of PAH compounds were detected, all concentrations fall below the residential Soil Cleanup Target Level (SCTL) per FAC 62-777. A prior assessment revealed only slight exceedances for benzo (a) pyrene (BaP) and BaP equivalents. Borings A to C were placed around the former sample location. Therefore, the previously noted exceedance, if it still exists, is considered *de minimis*.

Soil samples D, E and F were analyzed in the laboratory for total arsenic according to EPA method 6020. Arsenic was detected in all three samples at 6.1, 3.4 and 1.3 milligrams per kilogram (mg/kg), respectively. The SCTL for arsenic in a residential scenario is 2.1 mg/kg and 12.0 mg/kg in a commercial/industrial setting. A single sample previously collected from six samples in this



area also exceeded the residential SCTL at a concentration of 6.42 mg/kg. Therefore, it appears that a small area of soil northeast of the building has been impacted by arsenic. While the exceedance may be related to applications associated with the former railroad operations to the north, it could also be associated with applications to the nearby swale or a historical spill.

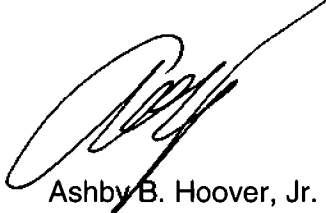
### CONCLUSIONS

The results of our field sampling and analysis revealed slight exceedances of arsenic in the surficial soils to the northeast of the building at 818 10<sup>th</sup> Avenue West. The area appears to be relatively limited and could be addressed by excavation of this material, or blending with other soil in the nearby area. Laboratory analysis of groundwater revealed no detectable contaminants of concern in either MW-1 or MW-2.

It has been a pleasure to be of assistance to you with this project. Please contact our office when we may be of further service or should you have any questions concerning our field investigation and analysis.

Very truly yours,

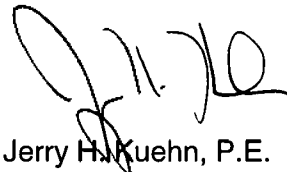
ARDAMAN & ASSOCIATES, INC.  
*Certificate of Authorization No. 5950*



Ashby B. Hoover, Jr. P.E.  
Florida Licensed Asbestos Consultant  
License Number AX94

ABH/JHK:ly

cc: Jim Freeman (jfreeman@palmettofl.org)



Jerry H. Kuehn, P.E.  
Senior Project Engineer  
Fl. License No. 35557



## APPENDIX I

18-8252



**Ardaman & Associates, Inc.**  
Geotechnical, Environmental and Materials Consultants

# Soil Boring Log

Field Screening

Site Name: <u>Six Parcels Palmetto</u>										Sheet <u>1</u> of <u>1</u>			
Site Location: <u>10 E Avenue D e 9th Street</u>										Date: <u>6/26/18</u>			
File Number: <u>Instrument: Foxboro Model OVA-128 Century OVA (FID) TUA 1002</u>										Operator: <u>OCH, Hove</u>			
Boring Number	Sample Type	Start Time	Finish Time	Depth (Feet)	Unfiltered OVA*	Filtered OVA*	Net OVA	Sample Temp (°F)**	Lithology (Soil Description)	USCS Symbol	Moisture Content	GWL Depth (Feet)	Observations/Remarks (include odors, staining, sheen, free product and other comments)
1				1	0		0						WT = 42"
				2	0		0						No odors
				3	0		0						No stains
				4	0		0						Some fill
2				1	0		0						No evidence of tank
				2	0		0						
				3	0		0						
				4	0		0						
				5	0		0						
3				1	0		0						
				2	0		0						
				3	0		0						
				4	0		0						
				5	0		0						
4				1	0		0						
				2	0		0						
				3	0		0						
				4	0		0						
				5	0		0						
5				1	0		0						
				2	0		0						
				3	0		0						
				4	0		0						
				5	0		0						

Sample Type Codes PH = Post Hole; HA = Hand Auger; MRA = Mini-Rig Auger; DRA = Drill Rig Auger; SS = Split Spoon, DC = Drill Cuttings; J = Jar

Moisture Content Codes D = Dry, M = Moist, W = Wet, S = Saturated

\*Highest Reading Recorded; \*\*Target Sample Temperature Range: 68°F to 90°F, IND = Indeterminate

## APPENDIX II



25-18  
2C 740

July 06, 2018

Chip Hoover  
Ardaman & Associates, Inc.  
78 Sarasota Center Blvd.  
Sarasota, FL 34240

RE: Project: 18-8252  
Pace Project No.: 35400568

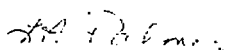
Dear Chip Hoover:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lori Palmer  
lori.palmer@pacelabs.com  
(813)881-9401  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC

## CERTIFICATIONS

Project: 18-8252  
Pace Project No.: 35400568

---

### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alabama Certification #: 41320  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maryland Certification: #346  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
Wyoming Certification: FL NELAC Reciprocity  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 18-8252  
Pace Project No.: 35400568

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35400568001	MW-1	Water	06/26/18 13:52	06/27/18 13:00
35400568002	MW-2	Water	06/26/18 15:38	06/27/18 13:00
35400568003	SS-A	Solid	06/26/18 13:26	06/27/18 13:00
35400568004	SS-B	Solid	06/26/18 13:37	06/27/18 13:00
35400568005	SS-C	Solid	06/26/18 13:15	06/27/18 13:00
35400568006	SS-D	Solid	06/26/18 15:01	06/27/18 13:00
35400568007	SS-E	Solid	06/26/18 15:07	06/27/18 13:00
35400568008	SS-F	Solid	06/26/18 00:01	06/27/18 13:00

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 18-8252  
Pace Project No.: 35400568

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35400568001	MW-1	FL-PRO	RJR	3	PASI-O
		EPA 8270 by SIM	CB1	20	PASI-O
		EPA 8260	SK1	8	PASI-O
35400568002	MW-2	FL-PRO	RJR	3	PASI-O
		EPA 8270 by SIM	CB1	20	PASI-O
		EPA 8260	SK1	48	PASI-O
35400568003	SS-A	EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35400568004	SS-B	EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35400568005	SS-C	EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35400568006	SS-D	EPA 6020	KPP	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35400568007	SS-E	EPA 6020	KPP	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35400568008	SS-F	EPA 6020	KPP	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: MW-1 Lab ID: 35400568001 Collected: 06/26/18 13:52 Received: 06/27/18 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water, Low Volume</b> Analytical Method: FL-PRO Preparation Method: EPA 3510									
Petroleum Range Organics	0.81 U	mg/L	1.0	0.81	1	06/28/18 01:10	06/29/18 01:06		
<b>Surrogates</b>									
o-Terphenyl (S)	86	%	82-142		1	06/28/18 01:10	06/29/18 01:06	84-15-1	
N-Pentatriacontane (S)	92	%	42-159		1	06/28/18 01:10	06/29/18 01:06	630-07-09	
<b>8270 MSSV PAHLV by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510									
Acenaphthene	0.040 U	ug/L	0.50	0.040	1	06/28/18 11:11	06/28/18 20:13	83-32-9	
Acenaphthylene	0.030 U	ug/L	0.50	0.030	1	06/28/18 11:11	06/28/18 20:13	208-96-8	
Anthracene	0.043 U	ug/L	0.50	0.043	1	06/28/18 11:11	06/28/18 20:13	120-12-7	
Benzo(a)anthracene	0.055 U	ug/L	0.10	0.055	1	06/28/18 11:11	06/28/18 20:13	56-55-3	
Benzo(a)pyrene	0.074 U	ug/L	0.10	0.074	1	06/28/18 11:11	06/28/18 20:13	50-32-8	
Benzo(b)fluoranthene	0.027 U	ug/L	0.10	0.027	1	06/28/18 11:11	06/28/18 20:13	205-99-2	
Benzo(g,h,i)perylene	0.042 U	ug/L	0.50	0.042	1	06/28/18 11:11	06/28/18 20:13	191-24-2	
Benzo(k)fluoranthene	0.16 U	ug/L	0.50	0.16	1	06/28/18 11:11	06/28/18 20:13	207-08-9	
Chrysene	0.026 U	ug/L	0.50	0.026	1	06/28/18 11:11	06/28/18 20:13	218-01-9	
Dibenz(a,h)anthracene	0.13 U	ug/L	0.15	0.13	1	06/28/18 11:11	06/28/18 20:13	53-70-3	
Fluoranthene	0.018 U	ug/L	0.50	0.018	1	06/28/18 11:11	06/28/18 20:13	206-44-0	
Fluorene	0.088 U	ug/L	0.50	0.088	1	06/28/18 11:11	06/28/18 20:13	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12 U	ug/L	0.15	0.12	1	06/28/18 11:11	06/28/18 20:13	193-39-5	
1-Methylnaphthalene	0.032 U	ug/L	2.0	0.032	1	06/28/18 11:11	06/28/18 20:13	90-12-0	
2-Methylnaphthalene	0.11 U	ug/L	2.0	0.11	1	06/28/18 11:11	06/28/18 20:13	91-57-6	
Naphthalene	0.048 U	ug/L	2.0	0.048	1	06/28/18 11:11	06/28/18 20:13	91-20-3	
Phenanthrene	0.16 U	ug/L	0.50	0.16	1	06/28/18 11:11	06/28/18 20:13	85-01-8	
Pyrene	0.032 U	ug/L	0.50	0.032	1	06/28/18 11:11	06/28/18 20:13	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	69	%	33-101		1	06/28/18 11:11	06/28/18 20:13	321-60-8	
p-Terphenyl-d14 (S)	98	%	38-115		1	06/28/18 11:11	06/28/18 20:13	1718-51-0	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Benzene	0.10 U	ug/L	1.0	0.10	1		07/02/18 07:50	71-43-2	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 07:50	100-41-4	
Methyl-tert-butyl ether	0.50 U	ug/L	1.0	0.50	1		07/02/18 07:50	1634-04-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		07/02/18 07:50	108-88-3	
Xylene (Total)	1.0 U	ug/L	3.0	1.0	1		07/02/18 07:50	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	89-111		1		07/02/18 07:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	75-135		1		07/02/18 07:50	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		07/02/18 07:50	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: MW-2 Lab ID: 35400568002 Collected: 06/26/18 15:38 Received: 06/27/18 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water, Low Volume</b> Analytical Method: FL-PRO Preparation Method: EPA 3510									
Petroleum Range Organics	7.6 U	mg/L	9.6	7.6	10	07/02/18 18:26	07/03/18 22:07		
<b>Surrogates</b>									
o-Terphenyl (S)	132	%	82-142		10	07/02/18 18:26	07/03/18 22:07	84-15-1	CL
N-Pentatriacontane (S)	107	%	42-159		10	07/02/18 18:26	07/03/18 22:07	630-07-09	
<b>8270 MSSV PAHLV by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510									
Acenaphthene	0.040 U	ug/L	0.50	0.040	1	06/28/18 11:11	06/28/18 20:36	83-32-9	
Acenaphthylene	0.030 U	ug/L	0.50	0.030	1	06/28/18 11:11	06/28/18 20:36	208-96-8	
Anthracene	0.043 U	ug/L	0.50	0.043	1	06/28/18 11:11	06/28/18 20:36	120-12-7	
Benzo(a)anthracene	0.055 U	ug/L	0.10	0.055	1	06/28/18 11:11	06/28/18 20:36	56-55-3	
Benzo(a)pyrene	0.074 U	ug/L	0.10	0.074	1	06/28/18 11:11	06/28/18 20:36	50-32-8	
Benzo(b)fluoranthene	0.027 U	ug/L	0.10	0.027	1	06/28/18 11:11	06/28/18 20:36	205-99-2	
Benzo(g,h,i)perylene	0.042 U	ug/L	0.50	0.042	1	06/28/18 11:11	06/28/18 20:36	191-24-2	
Benzo(k)fluoranthene	0.16 U	ug/L	0.50	0.16	1	06/28/18 11:11	06/28/18 20:36	207-08-9	
Chrysene	0.026 U	ug/L	0.50	0.026	1	06/28/18 11:11	06/28/18 20:36	218-01-9	
Dibenz(a,h)anthracene	0.13 U	ug/L	0.15	0.13	1	06/28/18 11:11	06/28/18 20:36	53-70-3	
Fluoranthene	0.018 U	ug/L	0.50	0.018	1	06/28/18 11:11	06/28/18 20:36	206-44-0	
Fluorene	0.088 U	ug/L	0.50	0.088	1	06/28/18 11:11	06/28/18 20:36	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12 U	ug/L	0.15	0.12	1	06/28/18 11:11	06/28/18 20:36	193-39-5	
1-Methylnaphthalene	0.032 U	ug/L	2.0	0.032	1	06/28/18 11:11	06/28/18 20:36	90-12-0	
2-Methylnaphthalene	0.11 U	ug/L	2.0	0.11	1	06/28/18 11:11	06/28/18 20:36	91-57-6	
Naphthalene	0.048 U	ug/L	2.0	0.048	1	06/28/18 11:11	06/28/18 20:36	91-20-3	
Phenanthrene	0.16 U	ug/L	0.50	0.16	1	06/28/18 11:11	06/28/18 20:36	85-01-8	
Pyrene	0.032 U	ug/L	0.50	0.032	1	06/28/18 11:11	06/28/18 20:36	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	79	%	33-101		1	06/28/18 11:11	06/28/18 20:36	321-60-8	
p-Terphenyl-d14 (S)	95	%	38-115		1	06/28/18 11:11	06/28/18 20:36	1718-51-0	
<b>8260 MSV</b> Analytical Method: EPA 8260									
Acetone	10.0 U	ug/L	20.0	10.0	1		07/02/18 08:14	67-64-1	
Benzene	0.10 U	ug/L	1.0	0.10	1		07/02/18 08:14	71-43-2	
Bromochloromethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	74-97-5	
Bromodichloromethane	0.27 U	ug/L	0.60	0.27	1		07/02/18 08:14	75-27-4	
Bromoform	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-25-2	
Bromomethane	0.50 U	ug/L	5.0	0.50	1		07/02/18 08:14	74-83-9	
2-Butanone (MEK)	5.0 U	ug/L	10.0	5.0	1		07/02/18 08:14	78-93-3	
Carbon disulfide	5.0 U	ug/L	10.0	5.0	1		07/02/18 08:14	75-15-0	
Carbon tetrachloride	0.50 U	ug/L	3.0	0.50	1		07/02/18 08:14	56-23-5	
Chlorobenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	108-90-7	
Chloroethane	0.50 U	ug/L	10.0	0.50	1		07/02/18 08:14	75-00-3	
Chloroform	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	67-66-3	
Chloromethane	0.62 U	ug/L	1.0	0.62	1		07/02/18 08:14	74-87-3	
Dibromochloromethane	0.26 U	ug/L	2.0	0.26	1		07/02/18 08:14	124-48-1	
Dibromomethane	0.50 U	ug/L	2.0	0.50	1		07/02/18 08:14	74-95-3	
1,2-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	95-50-1	
1,3-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	541-73-1	

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Date: 07/06/2018 06:26 PM

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: MW-2 Lab ID: 35400568002 Collected: 06/26/18 15:38 Received: 06/27/18 13:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,4-Dichlorobenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	106-46-7	
Dichlorodifluoromethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-71-8	
1,1-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-34-3	
1,2-Dichloroethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	107-06-2	
1,1-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-35-4	
cis-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	156-59-2	
trans-1,2-Dichloroethene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	156-60-5	
1,2-Dichloropropane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	78-87-5	
cis-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		07/02/18 08:14	10061-01-5	
trans-1,3-Dichloropropene	0.25 U	ug/L	0.50	0.25	1		07/02/18 08:14	10061-02-6	
Ethylbenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	100-41-4	
2-Hexanone	5.0 U	ug/L	10.0	5.0	1		07/02/18 08:14	591-78-6	
Isopropylbenzene (Cumene)	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	98-82-8	
Methylene Chloride	2.5 U	ug/L	5.0	2.5	1		07/02/18 08:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	5.0 U	ug/L	10.0	5.0	1		07/02/18 08:14	108-10-1	
Methyl-tert-butyl ether	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	1634-04-4	
Styrene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	100-42-5	
1,1,2,2-Tetrachloroethane	0.12 U	ug/L	0.50	0.12	1		07/02/18 08:14	79-34-5	
Tetrachloroethene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	127-18-4	
Toluene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	108-88-3	
1,1,1-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	71-55-6	
1,1,2-Trichloroethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	79-00-5	
Trichloroethene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	79-01-6	
Trichlorofluoromethane	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-69-4	
1,2,4-Trimethylbenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	95-63-6	
1,3,5-Trimethylbenzene	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	108-67-8	
Vinyl chloride	0.50 U	ug/L	1.0	0.50	1		07/02/18 08:14	75-01-4	
Xylene (Total)	1.0 U	ug/L	3.0	1.0	1		07/02/18 08:14	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	89-111		1		07/02/18 08:14	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	75-135		1		07/02/18 08:14	17060-07-0	
Toluene-d8 (S)	102	%	89-112		1		07/02/18 08:14	2037-26-5	

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-A Lab ID: 35400568003 Collected: 06/26/18 13:26 Received: 06/27/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Short List Microwave</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.045 U	mg/kg	0.14	0.045	1	07/01/18 17:41	07/02/18 14:34	83-32-9	P1
Acenaphthylene	0.041 U	mg/kg	0.13	0.041	1	07/01/18 17:41	07/02/18 14:34	208-96-8	P1
Anthracene	0.046 U	mg/kg	0.14	0.046	1	07/01/18 17:41	07/02/18 14:34	120-12-7	P1
Benzo(a)anthracene	0.041 I	mg/kg	0.13	0.038	1	07/01/18 17:41	07/02/18 14:34	56-55-3	P1
Benzo(a)pyrene	0.033 U	mg/kg	0.13	0.033	1	07/01/18 17:41	07/02/18 14:34	50-32-8	P1
Benzo(b)fluoranthene	0.038 I	mg/kg	0.13	0.035	1	07/01/18 17:41	07/02/18 14:34	205-99-2	P1
Benzo(g,h,i)perylene	0.033 U	mg/kg	0.13	0.033	1	07/01/18 17:41	07/02/18 14:34	191-24-2	P1
Benzo(k)fluoranthene	0.035 U	mg/kg	0.13	0.035	1	07/01/18 17:41	07/02/18 14:34	207-08-9	P1
Chrysene	0.042 U	mg/kg	0.13	0.042	1	07/01/18 17:41	07/02/18 14:34	218-01-9	P1
Dibenz(a,h)anthracene	0.030 U	mg/kg	0.13	0.030	1	07/01/18 17:41	07/02/18 14:34	53-70-3	P1
Fluoranthene	0.065 I	mg/kg	0.13	0.043	1	07/01/18 17:41	07/02/18 14:34	206-44-0	P1
Fluorene	0.047 U	mg/kg	0.14	0.047	1	07/01/18 17:41	07/02/18 14:34	86-73-7	P1
Indeno(1,2,3-cd)pyrene	0.030 U	mg/kg	0.13	0.030	1	07/01/18 17:41	07/02/18 14:34	193-39-5	P1
1-Methylnaphthalene	0.052 U	mg/kg	0.16	0.052	1	07/01/18 17:41	07/02/18 14:34	90-12-0	P1
2-Methylnaphthalene	0.050 U	mg/kg	0.15	0.050	1	07/01/18 17:41	07/02/18 14:34	91-57-6	P1
Naphthalene	0.045 U	mg/kg	0.14	0.045	1	07/01/18 17:41	07/02/18 14:34	91-20-3	P1
Phenanthrene	0.043 U	mg/kg	0.13	0.043	1	07/01/18 17:41	07/02/18 14:34	85-01-8	P1
Pyrene	0.048 I	mg/kg	0.13	0.041	1	07/01/18 17:41	07/02/18 14:34	129-00-0	P1
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	73	%	16-123		1	07/01/18 17:41	07/02/18 14:34	4165-60-0	
2-Fluorobiphenyl (S)	84	%	32-129		1	07/01/18 17:41	07/02/18 14:34	321-60-8	
p-Terphenyl-d14 (S)	87	%	38-138		1	07/01/18 17:41	07/02/18 14:34	1718-51-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	23.2	%	0.10	0.10	1		06/28/18 13:52		

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-B Lab ID: 35400568004 Collected: 06/26/18 13:37 Received: 06/27/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Short List Microwave</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.012 U	mg/kg	0.038	0.012	1	06/28/18 01:12	06/29/18 00:08	83-32-9	
Acenaphthylene	0.011 U	mg/kg	0.036	0.011	1	06/28/18 01:12	06/29/18 00:08	208-96-8	
Anthracene	0.013 U	mg/kg	0.038	0.013	1	06/28/18 01:12	06/29/18 00:08	120-12-7	
Benzo(a)anthracene	0.015 I	mg/kg	0.036	0.010	1	06/28/18 01:12	06/29/18 00:08	56-55-3	
Benzo(a)pyrene	0.013 I	mg/kg	0.036	0.0089	1	06/28/18 01:12	06/29/18 00:08	50-32-8	
Benzo(b)fluoranthene	0.018 I	mg/kg	0.036	0.0096	1	06/28/18 01:12	06/29/18 00:08	205-99-2	
Benzo(g,h,i)perylene	0.013 I	mg/kg	0.036	0.0090	1	06/28/18 01:12	06/29/18 00:08	191-24-2	
Benzo(k)fluoranthene	0.0096 U	mg/kg	0.036	0.0096	1	06/28/18 01:12	06/29/18 00:08	207-08-9	
Chrysene	0.013 I	mg/kg	0.036	0.011	1	06/28/18 01:12	06/29/18 00:08	218-01-9	
Dibenz(a,h)anthracene	0.0083 U	mg/kg	0.036	0.0083	1	06/28/18 01:12	06/29/18 00:08	53-70-3	
Fluoranthene	0.018 I	mg/kg	0.036	0.012	1	06/28/18 01:12	06/29/18 00:08	206-44-0	
Fluorene	0.013 U	mg/kg	0.039	0.013	1	06/28/18 01:12	06/29/18 00:08	86-73-7	
Indeno(1,2,3-cd)pyrene	0.0095 I	mg/kg	0.036	0.0082	1	06/28/18 01:12	06/29/18 00:08	193-39-5	
1-Methylnaphthalene	0.014 U	mg/kg	0.042	0.014	1	06/28/18 01:12	06/29/18 00:08	90-12-0	
2-Methylnaphthalene	0.014 U	mg/kg	0.041	0.014	1	06/28/18 01:12	06/29/18 00:08	91-57-6	
Naphthalene	0.012 U	mg/kg	0.037	0.012	1	06/28/18 01:12	06/29/18 00:08	91-20-3	
Phenanthrene	0.013 I	mg/kg	0.036	0.012	1	06/28/18 01:12	06/29/18 00:08	85-01-8	
Pyrene	0.021 I	mg/kg	0.036	0.011	1	06/28/18 01:12	06/29/18 00:08	129-00-0	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	60	%	16-123		1	06/28/18 01:12	06/29/18 00:08	4165-60-0	
2-Fluorobiphenyl (S)	67	%	32-129		1	06/28/18 01:12	06/29/18 00:08	321-60-8	
p-Terphenyl-d14 (S)	79	%	38-138		1	06/28/18 01:12	06/29/18 00:08	1718-51-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	7.2	%	0.10	0.10	1		06/28/18 13:52		

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-C Lab ID: 35400568005 Collected: 06/26/18 13:15 Received: 06/27/18 13:00 Matrix: Solid  
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Short List Microwave</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	0.029 U	mg/kg	0.089	0.029	1	06/28/18 01:12	06/29/18 00:33	83-32-9	P1
Acenaphthylene	0.026 U	mg/kg	0.084	0.026	1	06/28/18 01:12	06/29/18 00:33	208-96-8	P1
Anthracene	0.029 U	mg/kg	0.089	0.029	1	06/28/18 01:12	06/29/18 00:33	120-12-7	P1
Benzo(a)anthracene	0.024 U	mg/kg	0.084	0.024	1	06/28/18 01:12	06/29/18 00:33	56-55-3	P1
Benzo(a)pyrene	0.021 U	mg/kg	0.084	0.021	1	06/28/18 01:12	06/29/18 00:33	50-32-8	P1
Benzo(b)fluoranthene	0.022 U	mg/kg	0.084	0.022	1	06/28/18 01:12	06/29/18 00:33	205-99-2	P1
Benzo(g,h,i)perylene	0.021 U	mg/kg	0.084	0.021	1	06/28/18 01:12	06/29/18 00:33	191-24-2	P1
Benzo(k)fluoranthene	0.022 U	mg/kg	0.084	0.022	1	06/28/18 01:12	06/29/18 00:33	207-08-9	P1
Chrysene	0.026 U	mg/kg	0.084	0.026	1	06/28/18 01:12	06/29/18 00:33	218-01-9	P1
Dibenz(a,h)anthracene	0.019 U	mg/kg	0.084	0.019	1	06/28/18 01:12	06/29/18 00:33	53-70-3	P1
Fluoranthene	0.027 U	mg/kg	0.084	0.027	1	06/28/18 01:12	06/29/18 00:33	206-44-0	P1
Fluorene	0.030 U	mg/kg	0.091	0.030	1	06/28/18 01:12	06/29/18 00:33	86-73-7	P1
Indeno(1,2,3-cd)pyrene	0.019 U	mg/kg	0.084	0.019	1	06/28/18 01:12	06/29/18 00:33	193-39-5	P1
1-Methylnaphthalene	0.033 U	mg/kg	0.099	0.033	1	06/28/18 01:12	06/29/18 00:33	90-12-0	P1
2-Methylnaphthalene	0.032 U	mg/kg	0.096	0.032	1	06/28/18 01:12	06/29/18 00:33	91-57-6	P1
Naphthalene	0.029 U	mg/kg	0.086	0.029	1	06/28/18 01:12	06/29/18 00:33	91-20-3	P1
Phenanthrene	0.027 U	mg/kg	0.084	0.027	1	06/28/18 01:12	06/29/18 00:33	85-01-8	P1
Pyrene	0.026 U	mg/kg	0.084	0.026	1	06/28/18 01:12	06/29/18 00:33	129-00-0	P1
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	65	%	16-123		1	06/28/18 01:12	06/29/18 00:33	4165-60-0	
2-Fluorobiphenyl (S)	69	%	32-129		1	06/28/18 01:12	06/29/18 00:33	321-60-8	
p-Terphenyl-d14 (S)	84	%	38-138		1	06/28/18 01:12	06/29/18 00:33	1718-51-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	19.2	%	0.10	0.10	1		06/28/18 13:52		

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-D Lab ID: 35400568006 Collected: 06/26/18 15:01 Received: 06/27/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3050								
Arsenic	6.1	mg/kg	1.3	0.67	20	07/01/18 11:47	07/02/18 12:26	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	12.8	%	0.10	0.10	1		06/28/18 13:52		

## REPORT OF LABORATORY ANALYSIS

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110 South Bayview Blvd.  
Oldsmar, FL 34677  
(813)881-9401

## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-E Lab ID: 35400568007 Collected: 06/26/18 15:07 Received: 06/27/18 13:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Arsenic	3.4	mg/kg	1.5	0.76	20	07/01/18 11:47	07/02/18 12:40	7440-38-2	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.5	%	0.10	0.10	1		06/28/18 13:52		

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## ANALYTICAL RESULTS

Project: 18-8252  
Pace Project No.: 35400568

Sample: SS-F Lab ID: 35400568008 Collected: 06/26/18 00:01 Received: 06/27/18 13:00 Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Arsenic	1.3	mg/kg	1.0	0.52	20	07/01/18 11:47	07/02/18 12:42	7440-38-2	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	13.1	%	0.10	0.10	1		06/28/18 13:52		

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 458518 Analysis Method: EPA 6020  
QC Batch Method: EPA 3050 Analysis Description: 6020 MET SOLID  
Associated Lab Samples: 35400568006, 35400568007, 35400568008

METHOD BLANK: 2481648 Matrix: Solid  
Associated Lab Samples: 35400568006, 35400568007, 35400568008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.61 U	1.2	0.61	07/02/18 12:21	

LABORATORY CONTROL SAMPLE: 2481649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	26.2	28.5	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2481650 2481651

Parameter	Units	35400568006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	mg/kg	6.1	31.9	33.7	34.5	36.9	89	91	75-125	7 20	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 458582 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 35400568001, 35400568002

METHOD BLANK: 2481788 Matrix: Water  
Associated Lab Samples: 35400568001, 35400568002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	07/02/18 00:55	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,2,4-Trimethylbenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,3,5-Trimethylbenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,3-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	07/02/18 00:55	
2-Hexanone	ug/L	5.0 U	10.0	5.0	07/02/18 00:55	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	07/02/18 00:55	
Acetone	ug/L	10.0 U	20.0	10.0	07/02/18 00:55	
Benzene	ug/L	0.10 U	1.0	0.10	07/02/18 00:55	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	07/02/18 00:55	
Bromoform	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Bromomethane	ug/L	0.50 U	5.0	0.50	07/02/18 00:55	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	07/02/18 00:55	
Carbon tetrachloride	ug/L	0.50 U	3.0	0.50	07/02/18 00:55	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Chloroethane	ug/L	0.50 U	10.0	0.50	07/02/18 00:55	
Chloroform	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Chloromethane	ug/L	0.62 U	1.0	0.62	07/02/18 00:55	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	07/02/18 00:55	
Dibromochloromethane	ug/L	0.26 U	2.0	0.26	07/02/18 00:55	
Dibromomethane	ug/L	0.50 U	2.0	0.50	07/02/18 00:55	
Dichlorodifluoromethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Isopropylbenzene (Cumene)	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Methyl-tert-butyl ether	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	07/02/18 00:55	
Styrene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Toluene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	07/02/18 00:55	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

METHOD BLANK: 2481788 Matrix: Water

Associated Lab Samples: 35400568001, 35400568002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	07/02/18 00:55	
Xylene (Total)	ug/L	1.0 U	3.0	1.0	07/02/18 00:55	
1,2-Dichloroethane-d4 (S)	%	105	75-135		07/02/18 00:55	
4-Bromofluorobenzene (S)	%	94	89-111		07/02/18 00:55	
Toluene-d8 (S)	%	103	89-112		07/02/18 00:55	

LABORATORY CONTROL SAMPLE: 2481789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.5	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	22.1	110	70-130	
1,1-Dichloroethene	ug/L	20	20.1	100	65-134	
1,2,4-Trimethylbenzene	ug/L	20	19.6	98	70-130	
1,2-Dichlorobenzene	ug/L	20	20.7	103	70-130	
1,2-Dichloroethane	ug/L	20	19.3	96	70-130	
1,2-Dichloropropane	ug/L	20	21.5	107	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.4	97	70-130	
1,3-Dichlorobenzene	ug/L	20	21.4	107	70-130	
1,4-Dichlorobenzene	ug/L	20	20.5	102	70-130	
2-Butanone (MEK)	ug/L	40	34.7	87	61-129	
2-Hexanone	ug/L	40	30.8	77	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	40	30.9	77	70-130	
Acetone	ug/L	40	35.8	90	44-155	
Benzene	ug/L	20	21.8	109	70-130	
Bromochloromethane	ug/L	20	20.8	104	70-130	
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	16.3	81	62-129	
Bromomethane	ug/L	20	18.0	90	10-179	
Carbon disulfide	ug/L	20	19.5	97	40-156	
Carbon tetrachloride	ug/L	20	20.7	103	66-127	
Chlorobenzene	ug/L	20	20.1	101	70-130	
Chloroethane	ug/L	20	19.8	99	57-142	
Chloroform	ug/L	20	21.2	106	70-130	
Chloromethane	ug/L	20	17.4	87	45-150	
cis-1,2-Dichloroethene	ug/L	20	21.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.2	91	70-130	
Dibromochloromethane	ug/L	20	15.6	78	70-130	
Dibromomethane	ug/L	20	18.3	91	70-130	
Dichlorodifluoromethane	ug/L	20	16.3	82	44-149	
Ethylbenzene	ug/L	20	20.8	104	70-130	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

LABORATORY CONTROL SAMPLE: 2481789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	20	19.0	95	70-130	
Methyl-tert-butyl ether	ug/L	20	17.8	89	64-133	
Methylene Chloride	ug/L	20	19.4	97	65-127	
Styrene	ug/L	20	18.5	93	70-130	
Tetrachloroethene	ug/L	20	17.9	90	48-155	
Toluene	ug/L	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.4	107	68-126	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	70-130	
Trichloroethene	ug/L	20	20.4	102	69-129	
Trichlorofluoromethane	ug/L	20	19.5	98	60-144	
Vinyl chloride	ug/L	20	21.0	105	67-136	
Xylene (Total)	ug/L	60	62.0	103	70-130	
1,2-Dichloroethane-d4 (S)	%			101	75-135	
4-Bromofluorobenzene (S)	%			97	89-111	
Toluene-d8 (S)	%			100	89-112	

MATRIX SPIKE SAMPLE: 2482534

Parameter	Units	35400639009 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50 U	20	22.2	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.0	95	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.6	93	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	21.7	108	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	19.1	95	65-134	
1,2,4-Trimethylbenzene	ug/L	0.50 U	20	18.9	94	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	18.8	94	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.5	103	70-130	
1,3,5-Trimethylbenzene	ug/L	0.50 U	20	18.8	94	70-130	
1,3-Dichlorobenzene	ug/L	0.50 U	20	20.7	103	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.7	98	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	37.5	94	61-129	
2-Hexanone	ug/L	5.0 U	40	33.3	83	68-131	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	32.5	81	70-130	
Acetone	ug/L	10.0 U	40	38.2	96	44-155	
Benzene	ug/L	0.10 U	20	21.2	106	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.2	101	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.0	95	70-130	
Bromoform	ug/L	0.50 U	20	14.8	74	62-129	
Bromomethane	ug/L	0.50 U	20	10.8	54	10-179	
Carbon disulfide	ug/L	5.0 U	20	18.7	94	40-156	
Carbon tetrachloride	ug/L	0.50 U	20	19.7	99	66-127	
Chlorobenzene	ug/L	0.50 U	20	19.4	97	70-130	
Chloroethane	ug/L	0.50 U	20	21.0	105	57-142	
Chloroform	ug/L	0.50 U	20	20.4	102	70-130	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

MATRIX SPIKE SAMPLE: 2482534		35400639009	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc	Result	% Rec	Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	17.3	87	45-150	
cis-1,2-Dichloroethene	ug/L	1.1	20	21.6	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.6	78	70-130	
Dibromochloromethane	ug/L	0.26 U	20	14.4	72	70-130	
Dibromomethane	ug/L	0.50 U	20	17.7	89	70-130	
Dichlorodifluoromethane	ug/L	0.50 U	20	15.6	78	44-149	
Ethylbenzene	ug/L	0.50 U	20	20.1	100	70-130	
Isopropylbenzene (Cumene)	ug/L	0.50 U	20	18.1	91	70-130	
Methyl-tert-butyl ether	ug/L	0.50 U	20	17.0	85	64-133	
Methylene Chloride	ug/L	2.5 U	20	18.3	91	65-127	
Styrene	ug/L	0.50 U	20	17.3	87	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.6	83	48-155	
Toluene	ug/L	0.50 U	20	19.9	99	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.7	109	68-126	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.1	91	70-130	
Trichloroethene	ug/L	0.50 U	20	19.8	99	69-129	
Trichlorofluoromethane	ug/L	0.50 U	20	19.9	99	60-144	
Vinyl chloride	ug/L	4.5	20	24.1	98	67-136	
Xylene (Total)	ug/L	1.0 U	60	58.9	98	70-130	
1,2-Dichloroethane-d4 (S)	%				102	75-135	
4-Bromofluorobenzene (S)	%				95	89-111	
Toluene-d8 (S)	%				100	89-112	

SAMPLE DUPLICATE: 2482533

Parameter	Units	35400639008	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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## QUALITY CONTROL DATA

Project: 18-8252

Pace Project No.: 35400568

SAMPLE DUPLICATE: 2482533

Parameter	Units	35400639008 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Isopropylbenzene (Cumene)	ug/L	0.50 U	0.50 U		40	
Methyl-tert-butyl ether	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	1.0 U	1.0 U		40	
1,2-Dichloroethane-d4 (S)	%	108	115	6	40	
4-Bromofluorobenzene (S)	%	91	94	3	40	
Toluene-d8 (S)	%	102	108	6	40	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 457695 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAHLV by SIM MSSV  
Associated Lab Samples: 35400568001, 35400568002

METHOD BLANK: 2477521 Matrix: Water

Associated Lab Samples: 35400568001, 35400568002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.032 U	2.0	0.032	06/28/18 16:30	
2-Methylnaphthalene	ug/L	0.11 U	2.0	0.11	06/28/18 16:30	
Acenaphthene	ug/L	0.040 U	0.50	0.040	06/28/18 16:30	
Acenaphthylene	ug/L	0.030 U	0.50	0.030	06/28/18 16:30	
Anthracene	ug/L	0.043 U	0.50	0.043	06/28/18 16:30	
Benzo(a)anthracene	ug/L	0.055 U	0.10	0.055	06/28/18 16:30	
Benzo(a)pyrene	ug/L	0.074 U	0.10	0.074	06/28/18 16:30	
Benzo(b)fluoranthene	ug/L	0.027 U	0.10	0.027	06/28/18 16:30	
Benzo(g,h,i)perylene	ug/L	0.042 U	0.50	0.042	06/28/18 16:30	
Benzo(k)fluoranthene	ug/L	0.16 U	0.50	0.16	06/28/18 16:30	
Chrysene	ug/L	0.026 U	0.50	0.026	06/28/18 16:30	
Dibenz(a,h)anthracene	ug/L	0.13 U	0.15	0.13	06/28/18 16:30	
Fluoranthene	ug/L	0.018 U	0.50	0.018	06/28/18 16:30	
Fluorene	ug/L	0.088 U	0.50	0.088	06/28/18 16:30	
Indeno(1,2,3-cd)pyrene	ug/L	0.12 U	0.15	0.12	06/28/18 16:30	
Naphthalene	ug/L	0.048 U	2.0	0.048	06/28/18 16:30	
Phenanthrene	ug/L	0.16 U	0.50	0.16	06/28/18 16:30	
Pyrene	ug/L	0.032 U	0.50	0.032	06/28/18 16:30	
2-Fluorobiphenyl (S)	%	65	33-101		06/28/18 16:30	
p-Terphenyl-d14 (S)	%	75	38-115		06/28/18 16:30	

LABORATORY CONTROL SAMPLE: 2477522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	2.4	49	33-118	
2-Methylnaphthalene	ug/L	5	2.4	48	34-104	
Acenaphthene	ug/L	5	2.5	50	38-109	
Acenaphthylene	ug/L	5	2.2	45	31-115	
Anthracene	ug/L	5	2.7	54	38-111	
Benzo(a)anthracene	ug/L	5	2.8	56	36-110	
Benzo(a)pyrene	ug/L	5	2.8	57	27-107	
Benzo(b)fluoranthene	ug/L	5	3.0	59	32-119	
Benzo(g,h,i)perylene	ug/L	5	2.9	58	10-109	
Benzo(k)fluoranthene	ug/L	5	2.9	58	28-118	
Chrysene	ug/L	5	2.9	58	33-130	
Dibenz(a,h)anthracene	ug/L	5	2.9	58	10-104	
Fluoranthene	ug/L	5	3.0	61	45-115	
Fluorene	ug/L	5	2.6	52	41-114	
Indeno(1,2,3-cd)pyrene	ug/L	5	2.9	58	10-104	
Naphthalene	ug/L	5	2.3	46	38-100	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

LABORATORY CONTROL SAMPLE: 2477522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	5	2.8	55	41-106	
Pyrene	ug/L	5	3.1	62	45-115	
2-Fluorobiphenyl (S)	%			52	33-101	
p-Terphenyl-d14 (S)	%			65	38-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2478045 2478046

Parameter	Units	35400643003	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result								RPD	
1-Methylnaphthalene	ug/L	12.2	5	5	16.2	14.2	80	40	33-118	13	40
2-Methylnaphthalene	ug/L	17.0	5	5	21.6	18.9	92	38	34-104	13	40
Acenaphthene	ug/L	0.12 I	5	5	3.7	3.3	71	64	38-109	11	40
Acenaphthylene	ug/L	0.030 U	5	5	3.5	3.1	69	62	31-115	11	40
Anthracene	ug/L	0.043 U	5	5	4.2	3.9	84	78	38-111	6	40
Benzo(a)anthracene	ug/L	0.055 U	5	5	4.3	4.1	85	82	36-110	4	40
Benzo(a)pyrene	ug/L	0.074 U	5	5	4.3	4.2	86	85	27-107	2	40
Benzo(b)fluoranthene	ug/L	0.027 U	5	5	4.4	4.3	88	87	32-119	1	40
Benzo(g,h,i)perylene	ug/L	0.042 U	5	5	4.4	4.3	88	87	10-109	2	40
Benzo(k)fluoranthene	ug/L	0.16 U	5	5	4.4	4.3	88	85	28-118	3	40
Chrysene	ug/L	0.026 U	5	5	4.4	4.3	88	86	33-130	3	40
Dibenz(a,h)anthracene	ug/L	0.13 U	5	5	4.4	4.3	89	87	10-104	2	40
Fluoranthene	ug/L	0.018 U	5	5	4.5	4.3	91	87	45-115	4	40
Fluorene	ug/L	0.11 I	5	5	3.9	3.6	76	70	41-114	8	40
Indeno(1,2,3-cd)pyrene	ug/L	0.12 U	5	5	4.4	4.3	88	86	10-104	2	40
Naphthalene	ug/L	50.6	5	5	57.6	50.1	141	-9	38-100	14	40 J(M1)
Phenanthrene	ug/L	0.16 U	5	5	4.2	3.9	82	77	41-106	6	40
Pyrene	ug/L	0.032 U	5	5	4.6	4.4	91	87	45-115	4	40
2-Fluorobiphenyl (S)	%						68	58	33-101		
p-Terphenyl-d14 (S)	%						96	92	38-115		

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 457689 Analysis Method: EPA 8270  
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike  
Associated Lab Samples: 35400568004, 35400568005

METHOD BLANK: 2477486 Matrix: Solid

Associated Lab Samples: 35400568004, 35400568005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.013 U	0.040	0.013	06/28/18 19:56	
2-Methylnaphthalene	mg/kg	0.013 U	0.039	0.013	06/28/18 19:56	
Acenaphthene	mg/kg	0.012 U	0.036	0.012	06/28/18 19:56	
Acenaphthylene	mg/kg	0.010 U	0.034	0.010	06/28/18 19:56	
Anthracene	mg/kg	0.012 U	0.036	0.012	06/28/18 19:56	
Benzo(a)anthracene	mg/kg	0.0096 U	0.034	0.0096	06/28/18 19:56	
Benzo(a)pyrene	mg/kg	0.0083 U	0.034	0.0083	06/28/18 19:56	
Benzo(b)fluoranthene	mg/kg	0.0089 U	0.034	0.0089	06/28/18 19:56	
Benzo(g,h,i)perylene	mg/kg	0.0084 U	0.034	0.0084	06/28/18 19:56	
Benzo(k)fluoranthene	mg/kg	0.0090 U	0.034	0.0090	06/28/18 19:56	
Chrysene	mg/kg	0.011 U	0.034	0.011	06/28/18 19:56	
Dibenz(a,h)anthracene	mg/kg	0.0077 U	0.034	0.0077	06/28/18 19:56	
Fluoranthene	mg/kg	0.011 U	0.034	0.011	06/28/18 19:56	
Fluorene	mg/kg	0.012 U	0.037	0.012	06/28/18 19:56	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0077 U	0.034	0.0077	06/28/18 19:56	
Naphthalene	mg/kg	0.012 U	0.035	0.012	06/28/18 19:56	
Phenanthrene	mg/kg	0.011 U	0.034	0.011	06/28/18 19:56	
Pyrene	mg/kg	0.011 U	0.034	0.011	06/28/18 19:56	
2-Fluorobiphenyl (S)	%	76	32-129		06/28/18 19:56	
Nitrobenzene-d5 (S)	%	74	16-123		06/28/18 19:56	
p-Terphenyl-d14 (S)	%	87	38-138		06/28/18 19:56	

LABORATORY CONTROL SAMPLE: 2477487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.6	1.3	79	27-123	
2-Methylnaphthalene	mg/kg	1.6	1.3	82	16-137	
Acenaphthene	mg/kg	1.6	1.4	86	37-120	
Acenaphthylene	mg/kg	1.6	1.6	98	41-120	
Anthracene	mg/kg	1.6	1.5	89	45-120	
Benzo(a)anthracene	mg/kg	1.6	1.5	92	44-120	
Benzo(a)pyrene	mg/kg	1.6	1.6	97	44-123	
Benzo(b)fluoranthene	mg/kg	1.6	1.5	89	37-124	
Benzo(g,h,i)perylene	mg/kg	1.6	1.6	95	42-125	
Benzo(k)fluoranthene	mg/kg	1.6	1.6	99	44-126	
Chrysene	mg/kg	1.6	1.6	96	45-120	
Dibenz(a,h)anthracene	mg/kg	1.6	1.6	96	43-124	
Fluoranthene	mg/kg	1.6	1.6	94	45-120	
Fluorene	mg/kg	1.6	1.5	90	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.6	1.6	97	43-123	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

LABORATORY CONTROL SAMPLE: 2477487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.6	1.3	81	40-120	
Phenanthrene	mg/kg	1.6	1.5	89	36-125	
Pyrene	mg/kg	1.6	1.6	95	41-123	
2-Fluorobiphenyl (S)	%			84	32-129	
Nitrobenzene-d5 (S)	%			77	16-123	
p-Terphenyl-d14 (S)	%			95	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2477781 2477782

Parameter	Units	35400541003	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
1-Methylnaphthalene	mg/kg	0.019 I	1.8	1.8	0.93	0.98	53	56	27-123	6	40	
2-Methylnaphthalene	mg/kg	0.037 I	1.8	1.8	0.97	1.0	54	56	16-137	4	40	
Acenaphthene	mg/kg	0.012 U	1.8	1.8	1.1	1.1	61	64	37-120	4	40	
Acenaphthylene	mg/kg	0.011 U	1.8	1.8	1.2	1.2	67	70	41-120	4	40	
Anthracene	mg/kg	0.015 I	1.8	1.8	1.1	1.2	64	68	45-120	6	40	
Benzo(a)anthracene	mg/kg	0.0099 U	1.8	1.8	1.1	1.2	62	68	44-120	9	40	
Benzo(a)pyrene	mg/kg	0.0086 U	1.8	1.8	1.1	1.2	67	72	44-123	7	40	
Benzo(b)fluoranthene	mg/kg	0.0092 U	1.8	1.8	1.1	1.2	64	68	37-124	7	40	
Benzo(g,h,i)perylene	mg/kg	0.0087 U	1.8	1.8	1.1	1.2	65	70	42-125	8	40	
Benzo(k)fluoranthene	mg/kg	0.0092 U	1.8	1.8	1.3	1.2	73	69	44-126	7	40	
Chrysene	mg/kg	0.011 U	1.8	1.8	1.2	1.2	71	70	45-120	1	40	
Dibenz(a,h)anthracene	mg/kg	0.0080 U	1.8	1.8	1.1	1.2	64	69	43-124	7	40	
Fluoranthene	mg/kg	0.014 I	1.8	1.8	1.2	1.3	70	73	45-120	4	40	
Fluorene	mg/kg	0.012 U	1.8	1.8	1.1	1.2	65	67	42-120	3	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0079 U	1.8	1.8	1.1	1.2	66	72	43-123	7	40	
Naphthalene	mg/kg	0.015 I	1.8	1.8	0.95	0.99	55	57	40-120	4	40	
Phenanthrene	mg/kg	0.027 I	1.8	1.8	1.1	1.2	64	68	36-125	6	40	
Pyrene	mg/kg	0.045	1.8	1.8	1.2	1.3	67	71	41-123	6	40	
2-Fluorobiphenyl (S)	%						58	60	32-129			
Nitrobenzene-d5 (S)	%						54	58	16-123			
p-Terphenyl-d14 (S)	%						66	72	38-138			

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## QUALITY CONTROL DATA

Project: 18-8252

Pace Project No.: 35400568

QC Batch: 458417

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave Short Spike

Associated Lab Samples: 35400568003

METHOD BLANK: 2480939

Matrix: Solid

Associated Lab Samples: 35400568003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.013 U	0.040	0.013	07/02/18 12:15	
2-Methylnaphthalene	mg/kg	0.013 U	0.039	0.013	07/02/18 12:15	
Acenaphthene	mg/kg	0.012 U	0.036	0.012	07/02/18 12:15	
Acenaphthylene	mg/kg	0.011 U	0.034	0.011	07/02/18 12:15	
Anthracene	mg/kg	0.012 U	0.036	0.012	07/02/18 12:15	
Benzo(a)anthracene	mg/kg	0.0098 U	0.034	0.0098	07/02/18 12:15	
Benzo(a)pyrene	mg/kg	0.0085 U	0.034	0.0085	07/02/18 12:15	
Benzo(b)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	07/02/18 12:15	
Benzo(g,h,i)perylene	mg/kg	0.0086 U	0.034	0.0086	07/02/18 12:15	
Benzo(k)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	07/02/18 12:15	
Chrysene	mg/kg	0.011 U	0.034	0.011	07/02/18 12:15	
Dibenz(a,h)anthracene	mg/kg	0.0079 U	0.034	0.0079	07/02/18 12:15	
Fluoranthene	mg/kg	0.011 U	0.034	0.011	07/02/18 12:15	
Fluorene	mg/kg	0.012 U	0.037	0.012	07/02/18 12:15	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0078 U	0.034	0.0078	07/02/18 12:15	
Naphthalene	mg/kg	0.012 U	0.035	0.012	07/02/18 12:15	
Phenanthrene	mg/kg	0.011 U	0.034	0.011	07/02/18 12:15	
Pyrene	mg/kg	0.011 U	0.034	0.011	07/02/18 12:15	
2-Fluorobiphenyl (S)	%	88	32-129		07/02/18 12:15	
Nitrobenzene-d5 (S)	%	79	16-123		07/02/18 12:15	
p-Terphenyl-d14 (S)	%	95	38-138		07/02/18 12:15	

LABORATORY CONTROL SAMPLE: 2480940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.6	95	27-123	
2-Methylnaphthalene	mg/kg	1.7	1.6	96	16-137	
Acenaphthene	mg/kg	1.7	1.6	96	37-120	
Acenaphthylene	mg/kg	1.7	1.6	96	41-120	
Anthracene	mg/kg	1.7	1.7	101	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.7	101	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.8	105	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.9	113	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.5	91	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.7	103	44-126	
Chrysene	mg/kg	1.7	1.7	103	45-120	
Dibenz(a,h)anthracene	mg/kg	1.7	1.6	96	43-124	
Fluoranthene	mg/kg	1.7	1.7	105	45-120	
Fluorene	mg/kg	1.7	1.7	100	42-120	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.6	95	43-123	

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

LABORATORY CONTROL SAMPLE: 2480940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/kg	1.7	1.5	92	40-120	
Phenanthrene	mg/kg	1.7	1.7	100	36-125	
Pyrene	mg/kg	1.7	1.7	102	41-123	
2-Fluorobiphenyl (S)	%			84	32-129	
Nitrobenzene-d5 (S)	%			74	16-123	
p-Terphenyl-d14 (S)	%			86	38-138	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2481688 2481689

Parameter	Units	35401247001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1-Methylnaphthalene	mg/kg	0.016 U	2	2	1.6	1.6	82	82	27-123	1	40
2-Methylnaphthalene	mg/kg	0.015 U	2	2	1.6	1.6	81	80	16-137	0	40
Acenaphthene	mg/kg	0.014 U	2	2	1.7	1.7	86	86	37-120	1	40
Acenaphthylene	mg/kg	0.013 U	2	2	1.6	1.7	83	84	41-120	1	40
Anthracene	mg/kg	0.014 U	2	2	1.6	1.6	80	80	45-120	1	40
Benzo(a)anthracene	mg/kg	0.011 U	2	2	1.5	1.6	77	78	44-120	3	40
Benzo(a)pyrene	mg/kg	0.0099 U	2	2	1.5	1.6	79	81	44-123	4	40
Benzo(b)fluoranthene	mg/kg	0.011 U	2	2	1.7	1.7	85	87	37-124	4	40
Benzo(g,h,i)perylene	mg/kg	0.010 U	2	2	1.3	1.4	69	70	42-125	2	40
Benzo(k)fluoranthene	mg/kg	0.011 U	2	2	1.6	1.7	82	84	44-126	3	40
Chrysene	mg/kg	0.013 U	2	2	1.5	1.6	77	80	45-120	5	40
Dibenz(a,h)anthracene	mg/kg	0.0092 U	2	2	1.4	1.4	73	72	43-124	0	40
Fluoranthene	mg/kg	0.013 U	2	2	1.6	1.6	82	81	45-120	1	40
Fluorene	mg/kg	0.014 U	2	2	1.7	1.7	87	86	42-120	1	40
Indeno(1,2,3-cd)pyrene	mg/kg	0.0092 U	2	2	1.4	1.4	72	72	43-123	1	40
Naphthalene	mg/kg	0.014 U	2	2	1.5	1.5	77	78	40-120	3	40
Phenanthrene	mg/kg	0.013 U	2	2	1.6	1.6	81	79	36-125	1	40
Pyrene	mg/kg	0.013 U	2	2	1.6	1.6	82	80	41-123	1	40
2-Fluorobiphenyl (S)	%						69	69	32-129		
Nitrobenzene-d5 (S)	%						61	62	16-123		
p-Terphenyl-d14 (S)	%						67	68	38-138		

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 457692 Analysis Method: FL-PRO  
QC Batch Method: EPA 3510 Analysis Description: FL-PRO Water Low Volume  
Associated Lab Samples: 35400568001

METHOD BLANK: 2477515  
Associated Lab Samples: 35400568001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	1.0	0.80	06/28/18 23:02	
N-Pentatriacontane (S)	%	105	42-159		06/28/18 23:02	
o-Terphenyl (S)	%	97	82-142		06/28/18 23:02	

LABORATORY CONTROL SAMPLE: 2477516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	5	3.9	79	55-118	
N-Pentatriacontane (S)	%			109	42-159	
o-Terphenyl (S)	%			104	82-142	

MATRIX SPIKE SAMPLE: 2477732

Parameter	Units	35400368009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	5	3.8	73	41-101	
N-Pentatriacontane (S)	%				100	42-159	
o-Terphenyl (S)	%				96	82-142	

SAMPLE DUPLICATE: 2477733

Parameter	Units	35400368010 Result	Dup Result	RPD	Max RPD	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	0.80 U		20	
N-Pentatriacontane (S)	%	97	99	2		
o-Terphenyl (S)	%	89	94	6		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 458735	Analysis Method: FL-PRO
QC Batch Method: EPA 3510	Analysis Description: FL-PRO Water Low Volume
Associated Lab Samples: 35400568002	

METHOD BLANK: 2482407 Matrix: Water  
Associated Lab Samples: 35400568002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.80 U	1.0	0.80	07/03/18 12:46	
N-Pentatriacontane (S)	%	115	42-159		07/03/18 12:46	
o-Terphenyl (S)	%	107	82-142		07/03/18 12:46	

LABORATORY CONTROL SAMPLE: 2482408

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	5	4.1	82	55-118	
N-Pentatriacontane (S)	%			109	42-159	
o-Terphenyl (S)	%			111	82-142	

MATRIX SPIKE SAMPLE: 2482807

Parameter	Units	35401388001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/L	0.78 U	5	4.5	88	41-101	
N-Pentatriacontane (S)	%				111	42-159	
o-Terphenyl (S)	%				114	82-142	

SAMPLE DUPLICATE: 2482808

Parameter	Units	35401388002 Result	Dup Result	RPD	Max RPD	Qualifiers
Petroleum Range Organics	mg/L	0.79 U	0.78 U		20	
N-Pentatriacontane (S)	%	100	113	11		
o-Terphenyl (S)	%	105	107	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: 18-8252  
Pace Project No.: 35400568

QC Batch: 457863 Analysis Method: ASTM D2974-87  
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture  
Associated Lab Samples: 35400568003, 35400568004, 35400568005, 35400568006, 35400568007, 35400568008

SAMPLE DUPLICATE: 2478229

Parameter	Units	35400324013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	72.7	72.7	0	5	

SAMPLE DUPLICATE: 2478230

Parameter	Units	35400330013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.8	19.4	2	5	

SAMPLE DUPLICATE: 2478231

Parameter	Units	35400538001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	7.6	7	5	J(D6)

SAMPLE DUPLICATE: 2478232

Parameter	Units	35400545006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.0	8.5	16	5	J(D6)

SAMPLE DUPLICATE: 2478233

Parameter	Units	35400568007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.5	21.4	1	5	

SAMPLE DUPLICATE: 2478234

Parameter	Units	35400603008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.2	12.2	0	5	

SAMPLE DUPLICATE: 2478324

Parameter	Units	35400203001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.4	15.9	3	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

## REPORT OF LABORATORY ANALYSIS

Date: 07/06/2018 06:26 PM

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## QUALIFIERS

Project: 18-8252  
Pace Project No : 35400568

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

### BATCH QUALIFIERS

Batch: 458558

[1] Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

### ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18-8252  
Pace Project No.: 35400568


Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35400568001	MW-1	EPA 3510	457692	FL-PRO	457847
35400568002	MW-2	EPA 3510	458735	FL-PRO	458938
35400568006	SS-D	EPA 3050	458518	EPA 6020	458558
35400568007	SS-E	EPA 3050	458518	EPA 6020	458558
35400568008	SS-F	EPA 3050	458518	EPA 6020	458558
35400568001	MW-1	EPA 3510	457695	EPA 8270 by SIM	457983
35400568002	MW-2	EPA 3510	457695	EPA 8270 by SIM	457983
35400568003	SS-A	EPA 3546	458417	EPA 8270	458693
35400568004	SS-B	EPA 3546	457689	EPA 8270	457844
35400568005	SS-C	EPA 3546	457689	EPA 8270	457844
35400568001	MW-1	EPA 8260	458582		
35400568002	MW-2	EPA 8260	458582		
35400568003	SS-A	ASTM D2974-87	457863		
35400568004	SS-B	ASTM D2974-87	457863		
35400568005	SS-C	ASTM D2974-87	457863		
35400568006	SS-D	ASTM D2974-87	457863		
35400568007	SS-E	ASTM D2974-87	457863		
35400568008	SS-F	ASTM D2974-87	457863		

## REPORT OF LABORATORY ANALYSIS

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[illegible]



	Document Name	Document Revised
	Sample Condition Upon Receipt Form	May 30, 2018
	Document No	Issuing Authority
	F-FL-C-007 rev 13	Pace Florida Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project # **W0# : 35400568**  
 Project Manager: PM: LAP Due Date: 07/05/18  
 Client: CLIENT: 37-ARDSAR

Date and Initials of person:

Examining contents: DS  
 Label: 6/27/18  
 Deliver: 6/27/18  
 pH: 7.0

Thermometer Used T-203 Date 6-27-18 Time: 1310 Initials: LOU

State of Origin FL ☐ For WV projects, all containers verified to  $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. °C <u>0.0</u> (Visual) <u>0.0</u> (Correction Factor) <u>0.0</u> (Actual)	<input checked="" type="checkbox"/> Samples on ice cooling process has begun
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice cooling process has begun
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice cooling process has begun
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice cooling process has begun
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice cooling process has begun
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other \_\_\_\_\_

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other \_\_\_\_\_

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other \_\_\_\_\_

Samples shorted to lab (If Yes, complete) Shorted Date \_\_\_\_\_ Shorted Time \_\_\_\_\_ Qty \_\_\_\_\_

#### Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information Preservative _____ Lot #/Trace # _____ Date _____ Time _____ Initials _____
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time \_\_\_\_\_

Comments/ Resolution (use back for additional comments): Sample #2 Received 2/3 Vials for 8260

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_ Page 32 of 48



# ANALYTICAL REPORT

July 06, 2018



## Pace Analytical - Ormond Beach, FL

Sample Delivery Group: L1005310  
Samples Received: 06/28/2018  
Project Number: 35400568  
Description: 18-8252

Report To: Lori Palmer  
8 E. Tower Circle  
Ormond Beach, FL 32174

Entire Report Reviewed By:

Nancy McLain  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures, 060302, 060303, and 060304.



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ONE LAB. NATIONWIDE



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Cp



Ss

Cn

Sr

Qc

Gl

Al

Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-2 L1005310-01 GW

Collected by  
Collected date/time  
Received date/time

06/26/18 15:38  
06/28/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG1131578	1	07/03/18 07:03	07/05/18 01:40	GB

- Cp
- Tc
- Ss
- Cn
- Sr
- Qc
- Gl
- Al
- Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy McLain  
Technical Service Representative

Tc

Tc

<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc<sup>7</sup>Gl

Al

Sc

Collected date/time: 06/26/18 15:38

L1005310

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Aniline	2.43	JU	2.43	10.0	1	07/05/2018 01:40	WG1131578
Benzidine	4.32	JU	4.32	10.0	1	07/05/2018 01:40	WG1131578
Bis(2-chloroethoxy)methane	0.329	IC	0.329	10.0	1	07/05/2018 01:40	WG1131578
Bis(2-chloroethyl)ether	1.62	IC	1.62	10.0	1	07/05/2018 01:40	WG1131578
Bis(2-chloroisopropyl)ether	0.445	IC	0.445	10.0	1	07/05/2018 01:40	WG1131578
4-Bromophenyl-phenylether	0.335	IC	0.335	10.0	1	07/05/2018 01:40	WG1131578
2-Chloronaphthalene	0.330	IC	0.330	1.00	1	07/05/2018 01:40	WG1131578
4-Chlorophenyl-phenylether	0.303	IC	0.303	10.0	1	07/05/2018 01:40	WG1131578
Carbazole	0.260	IC	0.260	10.0	1	07/05/2018 01:40	WG1131578
4-Chloroaniline	0.382	IC	0.382	10.0	1	07/05/2018 01:40	WG1131578
Dibenzofuran	0.338	IC	0.338	10.0	1	07/05/2018 01:40	WG1131578
1,2-Dichlorobenzene	3.29	IC	3.29	10.0	1	07/05/2018 01:40	WG1131578
1,3-Dichlorobenzene	0.383	IC	0.383	10.0	1	07/05/2018 01:40	WG1131578
1,4-Dichlorobenzene	0.401	IC	0.401	10.0	1	07/05/2018 01:40	WG1131578
3,3-Dichlorobenzidine	2.02	IC	2.02	10.0	1	07/05/2018 01:40	WG1131578
2,4-Dinitrotoluene	1.65	IC	1.65	10.0	1	07/05/2018 01:40	WG1131578
2,6-Dinitrotoluene	0.279	IC	0.279	10.0	1	07/05/2018 01:40	WG1131578
2-Nitroaniline	1.90	IC	1.90	10.0	1	07/05/2018 01:40	WG1131578
3-Nitroaniline	0.308	IC	0.308	10.0	1	07/05/2018 01:40	WG1131578
4-Nitroaniline	0.349	IC	0.349	10.0	1	07/05/2018 01:40	WG1131578
Hexachlorobenzene	0.341	IC	0.341	1.00	1	07/05/2018 01:40	WG1131578
Hexachloro-1,3-butadiene	0.329	IC	0.329	10.0	1	07/05/2018 01:40	WG1131578
Hexachlorocyclopentadiene	2.33	IC	2.33	10.0	1	07/05/2018 01:40	WG1131578
Hexachloroethane	0.365	IC	0.365	10.0	1	07/05/2018 01:40	WG1131578
Isophorone	0.272	IC	0.272	10.0	1	07/05/2018 01:40	WG1131578
Nitrobenzene	0.367	IC	0.367	10.0	1	07/05/2018 01:40	WG1131578
n-Nitrosodimethylamine	1.26	IC	1.26	10.0	1	07/05/2018 01:40	WG1131578
n-Nitrosodiphenylamine	0.304	IC	0.304	10.0	1	07/05/2018 01:40	WG1131578
n-Nitrosodi-n-propylamine	0.403	IC	0.403	10.0	1	07/05/2018 01:40	WG1131578
Benzylbutyl phthalate	0.275	IC	0.275	3.00	1	07/05/2018 01:40	WG1131578
Bis(2-ethylhexyl)phthalate	0.709	IC	0.709	3.00	1	07/05/2018 01:40	WG1131578
Di-n-butyl phthalate	0.266	IC	0.266	3.00	1	07/05/2018 01:40	WG1131578
Diethyl phthalate	0.282	IC	0.282	3.00	1	07/05/2018 01:40	WG1131578
Dimethyl phthalate	0.283	IC	0.283	3.00	1	07/05/2018 01:40	WG1131578
Di-n-octyl phthalate	0.278	IC	0.278	3.00	1	07/05/2018 01:40	WG1131578
1,2,4-Trichlorobenzene	0.355	IC	0.355	10.0	1	07/05/2018 01:40	WG1131578
4-Chloro-3-methylphenol	0.263	IC	0.263	10.0	1	07/05/2018 01:40	WG1131578
2-Chlorophenol	0.283	IC	0.283	10.0	1	07/05/2018 01:40	WG1131578
2,4-Dichlorophenol	0.284	IC	0.284	10.0	1	07/05/2018 01:40	WG1131578
2,4-Dimethylphenol	0.624	IC	0.624	10.0	1	07/05/2018 01:40	WG1131578
4,6-Dinitro-2-methylphenol	2.62	IC	2.62	10.0	1	07/05/2018 01:40	WG1131578
2,4-Dinitrophenol	3.25	IC	3.25	10.0	1	07/05/2018 01:40	WG1131578
2-Methylphenol	0.312	IC	0.312	10.0	1	07/05/2018 01:40	WG1131578
3&4-Methyl Phenol	0.266	IC	0.266	10.0	1	07/05/2018 01:40	WG1131578
1,2-Diphenylnydrazine	0.318	IC	0.318	10.0	1	07/05/2018 01:40	WG1131578
2-Nitrophenol	0.320	IC	0.320	10.0	1	07/05/2018 01:40	WG1131578
4-Nitrophenol	2.01	IC	2.01	10.0	1	07/05/2018 01:40	WG1131578
Pentachlorophenol	0.313	IC	0.313	10.0	1	07/05/2018 01:40	WG1131578
Phenol	0.334	IC	0.334	10.0	1	07/05/2018 01:40	WG1131578
2,4,5-Trichlorophenol	0.236	IC	0.236	10.0	1	07/05/2018 01:40	WG1131578
2,4,6-Trichlorophenol	0.297	IC	0.297	10.0	1	07/05/2018 01:40	WG1131578
(S) 2-Fluorophenol	46.6			10.0-120		07/05/2018 01:40	WG1131578
(S) Phenol-d5	32.6			10.0-120		07/05/2018 01:40	WG1131578
(S) Nitrobenzene-d5	57.2			10.0-126		07/05/2018 01:40	WG1131578
(S) 2-Fluorobiphenyl	62.8			22.0-127		07/05/2018 01:40	WG1131578
(S) 2,4,6-Tribromophenol	59.9			10.0-153		07/05/2018 01:40	WG1131578

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

MW-2

## SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 06/26/18 15:38

L1005310

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) p-Terphenyl-d14	75.3			29.0-141		07/05/2018 01:40	WG1131578

## Semi Volatile Organic Compounds (GC/MS) by Method 8270C - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #
	ug/l		ug/l	ug/l		date / time		
Unknown-02	87.9	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	000110-87-2
Unknown-04	53.9	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	022025-20-3
Unknown-05	47.6	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	000590-66-9
Unknown-03	23.4	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	000000-00-0
Unknown-01	20.0	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	007145-23-5
Unknown-06	12.5	IN	0.000	0.000	1	07/05/2018 01:40	WG1131578	016747-31-2

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

WG1131578

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

## QUALITY CONTROL SUMMARY

L1005310-01

ONE LAB NATIONWIDE



## Method Blank (MB)

(MB) P3323048-3 07.03.18 16 29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aniline	2.43	IC	2.43	10.0
Benzidine	4.32	IC	4.32	10.0
Bis(2-chloroethoxy)methane	0.329	IC	0.329	10.0
Bis(2-chloroethyl)ether	1.62	IC	1.62	10.0
Bis(2-chloroisopropyl)ether	0.445	IC	0.445	10.0
4-Bromophenyl-phenylether	0.335	IC	0.335	10.0
2-Chloronaphthalene	0.330	IC	0.330	10.0
4-Chlorophenyl-phenylether	0.303	IC	0.303	10.0
Carbazole	0.260	IC	0.260	10.0
4-Chloroaniline	0.332	IC	0.332	10.0
2,3-Dichlorobenzidine	2.02	IC	2.02	10.0
2,4-Dinitrotoluene	1.65	IC	1.65	10.0
2,6-Dinitrotoluene	0.275	IC	0.275	10.0
Dibenzofuran	0.333	IC	0.333	10.0
1,2-Dichlorobenzene	3.29	IC	3.29	10.0
Hexachlorobenzene	0.341	IC	0.341	10.0
1,3-Dichlorobenzene	0.333	IC	0.333	10.0
Hexachloro-1,3-butadiene	0.329	IC	0.329	10.0
1,4-Dichlorobenzene	0.491	IC	0.491	10.0
Hexachlorocyclopentadiene	2.33	IC	2.33	10.0
Hexachloroethane	0.365	IC	0.365	10.0
Isophorone	0.272	IC	0.272	10.0
Nitrobenzene	0.367	IC	0.367	10.0
n-Nitrosodimethylamine	1.26	IC	1.26	10.0
n-Nitrosodichethylamine	0.304	IC	0.304	10.0
n-Nitroso-n-propylamine	0.403	IC	0.403	10.0
Benzylbutyl phthalate	0.275	IC	0.275	3.00
Bis(2-ethylhexyl)phthalate	0.709	IC	0.709	3.00
2-n-butyl phthalate	0.266	IC	0.266	3.00
Diethyl phthalate	0.252	IC	0.252	3.00
Dimethyl phthalate	0.233	IC	0.233	3.00
Di-n-octyl phthalate	0.273	IC	0.273	3.00
2-Nitroaniline	1.90	IC	1.90	10.0
1,2,4-Trichlorobenzene	0.355	IC	0.355	10.0
3-Nitroaniline	0.308	IC	0.308	10.0
4-Nitroaniline	0.349	IC	0.349	10.0
1,2-Diphenylhydrazine	0.318	IC	0.318	10.0
4-Chloro-3-methylphenol	0.263	IC	0.263	10.0
2-Chlorophenol	0.233	IC	0.233	10.0
2-Nitrophenol	0.320	IC	0.320	10.0

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

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ACCOUNT:

Pace Analytical - Concord Beach, FL

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WG1131578

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

## QUALITY CONTROL SUMMARY

L1005310-01

ONE LAB NATIONWIDE

Method Blank (MB)

(MB) P3323048-3 07/03/18 16 29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB MDL ug/l
4-Nitrophenol	2.01	C	2.01	10.0
Pentachlorophenol	0.313	C	0.313	10.0
Phenol	0.334	C	0.334	10.0
2,4,6-Trichlorophenol	0.297	C	0.297	10.0
2,4-Dichlorophenol	0.254	C	0.254	10.0
2,4-Dimethylphenol	0.624	C	0.624	10.0
4,6-Dimethoxy-2-methylphenol	2.62	C	2.62	10.0
2,4-Dinitrophenol	3.25	C	3.25	10.0
2-Methylphenol	0.312	C	0.312	10.0
3,4-Methyl Phenol	0.266	C	0.266	10.0
2,4,5-Trichlorophenol	0.236	C	0.236	10.0
(S) Nitrobenzene-d5	65.2			10.0-126
(S) 2-Fluorotoluene	10.0			22.0-127
(S) n-Propylphenol	32.5			22.0-141
(S) Phenol-d5	33.6			11.0-120
(S) 2-Fluorophenol	52.2			10.0-120
(S) 2,4,6-Trinitrophenol	11.1			10.0-153

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) P3323048-1 07/03/18 15 41 • (LCSD) P3323048-2 07/03/18 16 05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzidine	50.0	ND	ND	0.000	0.000	100-120	J	J	0.000	1.4
Bis(2-chloroethoxy)methane	50.0	29.7	32.4	59.5	64.9	35.0-120			2.65	25
Bis(2-chloroethyl)ether	50.0	29.4	33.0	58.8	66.1	24.0-120			11.7	25
Bis(2-chloroisopropyl)ether	50.0	31.2	35.2	62.4	70.4	32.0-120			11.3	25
4-Bromophenyl-phenylether	50.0	40.4	46.5	80.8	90.9	42.0-121			0.133	21
2-Chloronaphthalene	50.0	33.3	34.0	66.7	68.0	37.0-120			4.72	24
4-Chlorophenyl-phenylether	50.0	39.5	41.7	79.0	83.4	48.0-120			2.95	21
3,3-Dichlorobenzidine	50.0	35.4	39.5	70.8	79.0	79.0-151			11.0	25
2,4-Dinitrotoluene	50.0	42.3	44.1	84.6	88.2	47.0-127			4.22	21
2,6-Dinitrotoluene	50.0	39.3	40.9	78.6	81.8	42.0-120			4.02	22
Hexachlorobenzene	50.0	43.6	44.3	87.2	88.6	41.0-124			1.23	21
Hexachloro-1,3-butadiene	50.0	21.2	22.9	42.3	45.7	25.0-120			7.72	31
Aniline	50.0	70.9	14.0	14.0	28.0	10.0-125		J	61.4	23
Hexachlorocyclopentadiene	50.0	24.5	28.1	49.1	56.2	19.0-120			6.14	31
Hexachloroethane	50.0	19.5	22.1	39.0	44.1	22.0-121			12.2	34
Isophrene	50.0	30.3	32.4	60.6	64.8	37.0-120			6.64	24

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## QUALITY CONTROL SUMMARY

ONE LAB NATIONWIDE

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

L1005318-01

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) P3323048-1 07/03/12 15:41 • (LCSD) P3323048-2 07/03/12 16:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec %	LCSD Rec %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Nitrobenzene	50.0	28.5	32.1	56.9	64.2	51.0-120			7.97	25
n-Nitrosodimethylamine	50.0	20.5	22.4	41.0	44.7	33.0-120			7.64	34
n-Nitrosodiphenylamine	50.0	17.5	19.5	35.0	37.9	24.0-120			7.75	21
n-Nitrosodipropylamine	50.0	10.5	11.5	21.1	22.1	15.0-120			9.34	27
Benzylbutyl phthalate	50.0	36.5	36.5	73.0	72.5	34.0-123			0.577	22
Bis(2-ethylhexyl)phthalate	50.0	37.0	37.2	74.1	74.3	37.0-121			0.360	21
Di-n-butyl phthalate	50.0	38.5	39.6	77.5	79.1	43.0-122			1.97	21
Diethyl phthalate	50.0	40.5	41.3	81.0	83.6	48.0-123			3.07	20
Dimethyl phthalate	50.0	39.2	40.0	78.4	80.0	47.0-120			2.02	20
Dio-n-octyl phthalate	50.0	38.5	38.7	77.0	77.4	36.0-120			0.359	22
1,2,4-Trichlorobenzene	50.0	24.2	26.3	48.3	52.7	29.0-120			5.65	29
Carbazole	50.0	40.7	41.0	81.4	82.0	45.0-121			0.775	22
4-Chloroaniline	50.0	21.1	25.4	42.1	50.9	23.0-120			15.9	28
1,2-Diphenylhydrazine	50.0	25.9	26.9	51.8	53.8	37.0-125			7.83	20
4-Chloro-3-methylphenol	50.0	34.2	36.5	68.5	73.2	39.0-120			5.72	22
Dibenzofuran	50.0	37.3	39.4	74.5	78.8	42.0-120			5.54	21
1,2-Dichlorobenzene	50.0	24.4	28.5	48.7	56.9	27.0-120			12.0	31
2-Chlorophenol	50.0	33.1	36.1	66.1	72.2	29.0-120			8.77	29
1,3-Dichlorobenzene	50.0	22.5	25.4	45.3	50.8	26.0-120			11.4	31
1,4-Dichlorobenzene	50.0	23.4	26.1	46.8	52.2	26.0-120			10.9	30
2,4-Dichlorophenol	50.0	34.3	37.0	68.6	73.9	37.0-120			1.47	26
2,4-Dimethylphenol	50.0	31.0	33.7	62.0	67.3	35.0-120			3.25	25
4,6-Dinitro-2-methylphenol	50.0	33.7	41.5	67.5	83.6	34.0-125			7.56	27
2,4-Dinitrophenol	50.0	23.5	25.3	46.9	50.5	10.0-120			1.42	40
2-Methylphenol	50.0	31.3	34.4	62.5	68.8	26.0-120			9.59	27
3,3,4-Methyl Phenol	50.0	34.3	37.2	68.6	74.4	27.0-120			9.05	25
2-Nitrophenol	50.0	34.5	37.4	69.0	74.8	35.0-120			5.14	28
4-Nitrophenol	50.0	20.4	20.2	40.9	40.4	10.0-120			1.03	35
Pentachlorophenol	50.0	25.2	24.5	50.3	49.6	20.0-125			1.40	32
Phenol	50.0	15.4	19.4	30.7	38.8	10.0-120			5.51	34
2,4,5-Trichlorophenol	50.0	41.7	49.4	83.4	98.7	40.0-122			1.91	24
2-Nitroaniline	50.0	38.5	41.4	77.0	82.8	45.0-120			6.43	29
3-Nitroaniline	50.0	37.5	40.5	75.2	81.0	25.0-123			5.14	35
4-Nitroaniline	50.0	45.2	43.7	90.4	87.3	28.0-120			5.24	26
2,4,5-Trichlorophenol	50.0	49.5	46.3	99.0	92.7	44.0-124			5.20	24
(S) Nuchbenzene-35				56.3	61.6	10.0-126				
(S) 2-Fluorotriphenyl				69.4	77.5	77.0-127				
(S) p-Terphenyl-104				73.2	78.7	39.0-131				
(S) Fluorol-15				37.5	39.4	37.0-120				
(S) 2-Fluorophenol				42.0	50.3	10.0-120				

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Semi Volatile Organic Compounds (GC/MS) by Method 8270C

QUALITY CONTROL SUMMARY

L1005310-01

ONE LAB NATIONWIDE



Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) P3323048-1 07 03 18 15 41 • (LCSD) P3323048-2 07 03 18 16 05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec %	LCSD Rec %	Rec Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,4-Dichlorophenol				24.0	23.7	10.0-25.0				

1

Tc

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Sr

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## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate, used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID including the dates and times of preparation and/or analysis.
Qualifier	Description
J	The value is outside laboratory established criteria.
U	Indicates the compound was analyzed for but not detected above the method detection limit.

Tc

2 Ss

4 Cn

5 Sr

5 Qc

7 Gl

Al

Sc

# ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report  
 \* Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences

## State Accreditations

Alabama	40660	Nebraska	NE-05-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico <sup>1</sup>	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>7</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,5</sup>	90010	South Carolina	84004
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana <sup>1</sup>	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

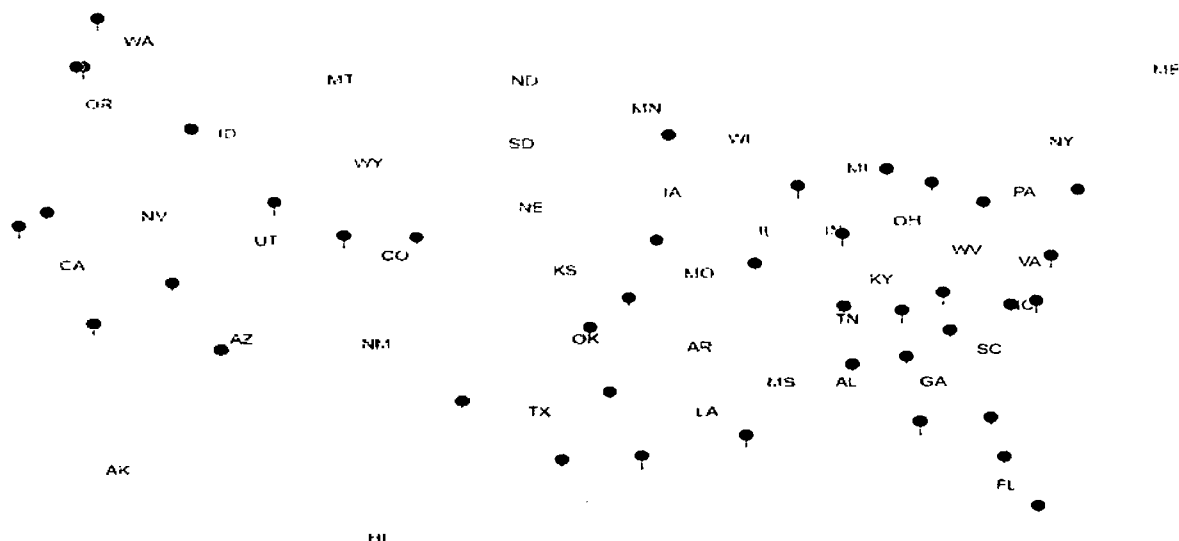
## Third Party Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.





# Profile List

PASI Ormond Beach Laboratory

Client 37-ARDSAR Profile Number 7928 Line Item 8



113d	trans-1,2-Dichlorobenzene	156.4	0.5	0.26 ug/L	E
113e	trans-1,3-Dichlorobenzene	100.1-102.6	0.5	0.5 ug/L	E
113f	Trichlorobenzene	141.8	1	0.5 ug/L	E
113g	Trichloroethylene	75.68-77.1	1	0.5 ug/L	E
113h	Vinyl chloride	72.01-74.1	1	0.5 ug/L	E
113i	Xylenes (Total)	130.0-132.7	3	1.5 ug/L	E
113j	Naphthalene	97.20-3	2	0.0475 ug/L	E
113k	2-Methylnaphthalene	95.57-8	2	0.114 ug/L	E
113l	1-Methylnaphthalene	94.17-0	2	0.115 ug/L	E
113m	Acetylnaphthalene	208.9-8	2	0.035 ug/L	E
113n	Acetylnaphthalene	63.32-9	2	0.035 ug/L	E
113o	Fluorene	96.73-1	0.5	0.0875 ug/L	E
113p	Phenanthrene	65.07-8	0.5	0.1582 ug/L	E
113q	Anthracene	125.12-7	0.5	0.0432 ug/L	E
113r	Fluoranthene	225.44-0	0.5	0.011 ug/L	E
113s	Benzo(a)anthracene	128.86-0	5	0.0321 ug/L	E
113t	Benzo(b)anthracene	56.55-3	5	0.0554 ug/L	E
113u	Benzo(k)anthracene	218.01	0.5	0.025 ug/L	E
113v	Benzo(e)anthracene	80.42-8	0.1	0.744 ug/L	E
113w	Indeno(1,2,3-cd)pyrene	205.5-2	0.1	0.05 ug/L	E
113x	Dibenz(a,h)anthracene	193.30-1	0.1	0.1214 ug/L	E
113y	Benzo(g,h,i)perylene	53.70-7	0.5	0.1284 ug/L	E
113z	Benzo(a)pyrene	191.24-2	0	0.0416 ug/L	E

8270 WSEP	8270 WSEP	Phenol	108.05-2	5	0.54 ug/L	E
8270 WSEP	8270 WSEP	2-Chlorophenol	111.44-4	4	0.75 ug/L	E
8270 WSEP	8270 WSEP	1,3-Dichlorobenzene	86.57-8	5	0.68 ug/L	E
8270 WSEP	8270 WSEP	1,4-Dichlorobenzene	141.73-1	5	0.78 ug/L	E
8270 WSEP	8270 WSEP	1,2-Dichlorobenzene	106.46-7	5	0.77 ug/L	E
8270 WSEP	8270 WSEP	2-Methylphenol(o-Cresol)	85.50-1	5	0.68 ug/L	E
8270 WSEP	8270 WSEP	2-Methylphenol(m-Cresol)	95.48-7	5	0.73 ug/L	E
8270 WSEP	8270 WSEP	3,4-Methylenedi(m-Cresol)	108.68-1	5	0.73 ug/L	E
8270 WSEP	8270 WSEP	N-Nitroso-dimethylamine	621.64-7	10	0.08 ug/L	E
8270 WSEP	8270 WSEP	Hexachlorobenzene	67.77-1	4	0.64 ug/L	E
8270 WSEP	8270 WSEP	Nitrobenzene	98.05-3	5	0.71 ug/L	E
8270 WSEP	8270 WSEP	Isophthalene	78.58-1	5	0.73 ug/L	E
8270 WSEP	8270 WSEP	2,4-Dimethylphenol	105.61-9	5	0.58 ug/L	E
8270 WSEP	8270 WSEP	2,4-Dichlorophenol	120.83-2	2	0.58 ug/L	E
8270 WSEP	8270 WSEP	1,2,4-Trichlorobenzene	120.87-1	5	0.83 ug/L	E
8270 WSEP	8270 WSEP	4-Chlorophenol	106.47-8	5	1.2 ug/L	E
8270 WSEP	8270 WSEP	Hexachloro-1,3-cyclohexadiene	87.88-3	2	1.08 ug/L	E
8270 WSEP	8270 WSEP	4-Chloro-3-methylphenol	59.50-1	20	0.82 ug/L	E
8270 WSEP	8270 WSEP	Hexachlorocyclopentadiene	77.42-4	5	0.28 ug/L	E
8270 WSEP	8270 WSEP	2,4,6-Trichlorophenol	89.06-2	2	0.99 ug/L	E
8270 WSEP	8270 WSEP	2,4,5-Trichlorophenol	95.05-4	4	0.52 ug/L	E
8270 WSEP	8270 WSEP	2-Chloronaphthalene	91.58-7	5	0.8 ug/L	E

# Profile List

PASI Ormond Beach Laboratory

Client 37-ARDSAR Profile Number 7928 Line Item 8



6	8770 WSEP	8770 WSEP	2nd	2 Nitroaniline	88-72-4	5	0.6 ug/L	E
			dipt	Dumethyldiphenylamine	131-11-3	5	0.64 ug/L	E
			20dt	2,6-Dinitroazobenzene	806-20-2	2	1.22 ug/L	E
			3nit	3-Nitroaniline	89-09-2	5	0.99 ug/L	E
			24dp	2,4-Dinitrophenol	51-28-5	20	1.57 ug/L	E
			4nph	4-Nitrophenol	106-32-7	20	1.08 ug/L	E
			4bz	Dibenzofuran	131-54-9	5	0.07 ug/L	E
			24dt	2,4-Dinitroazobenzene	121-14-2	2	0.53 ug/L	E
			dipt	Diethylphthalate	84-66-2	5	0.51 ug/L	E
			4nit	4-Nitroaniline	100-01-0	4	0.69 ug/L	E
			rendp	N-Nitrosodiphenylamine	86-30-6	5	0.5 ug/L	E
			hncp	Hexachlorobenzene	116-74-1	-	0.8 ug/L	E
			pccl	Pentachlorophenol	87-46-5	20	0.06 ug/L	E
			oncp	Ortho-chlorophthalate	84-74-2	5	0.41 ug/L	E
			bbcp	Butylbenzylphthalate	85-68-7	5	0.72 ug/L	E
			33du	3,3'-Dichlorobenzidine	91-94-1	10	0.89 ug/L	E
			bs4	bis(2-Ethylhexyloxy)phthalate	117-81-7	5	0.8 ug/L	E
			oncp	Ortho-chlorophthalate	117-84-0	5	0.9 ug/L	F
			car7	Carbazole	80-74-8	5	0.47 ug/L	E
			12dt	1,2-Diphenylhydrazine	122-66-7	5	0.33 ug/L	E
			anil	Aniline	62-53-3	5	1.08 ug/L	E
			50dt	Benzo(a)pyrene	92-87-5	25	0.77 ug/L	E
			650	bis(2-Chloroethoxy)methane	111-61-1	5	2.95 ug/L	E
			mpdm	N-Nitrosodimethylamine	62-75-9	2	0.97 ug/L	E

Numeric Value: The actual number of significant figures

E (Ethers): Numbers less than 100 have 2 significant figures and numbers greater than or equal to 100 have 3 significant figures  
M (Metals): Numbers less than 100 have 2 significant figures and numbers greater than or equal to 100 have 3 significant figures  
O (Organics): Numbers less than 1 have 1 significant figure, numbers less than 100 but greater than 1 have 2 significant figures, and numbers greater than or equal to 100 have 3 significant figures



ESG LAB SCIENCES				
Cooler Receipt Form				
Client: <u>PACEO BFL</u>		SDU # <u>1005310</u>		
Cooler Received / Opened On: <u>6/28/18</u>		Temperature: <u>0.3</u>		
Received By: <u>Kathryn Cason</u>				
Signature: <u>Kathryn Cason</u>				
Receipt Check List		NP	Yes	No
COC Seal Present / Intact?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Signed / Accurate?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bottles arrive intact?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct bottles used?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient volume sent?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If Applicable				
VOA Zero headspace?				
Preservation Correct / Checked?				

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Six Parcels  
 Location: Palmetto  
 Facility/Site ID No.: N/A

Soil Sample No. SS-A  
 Sample Date 6/26/2018  
 Location: \_\_\_\_\_  
 Depth (ft): 0-1

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.033	1.0	0.0330
Benzo(a)anthracene	0.041	0.1	0.0041
Benzo(b)fluoranthene	0.038	0.1	0.0038
Benzo(k)fluoranthene	0.035	0.01	0.0004
Chrysene	0.042	0.001	0.0000
Dibenz(a,h)anthracene	0.030	1.0	0.0300
Indeno(1,2,3-cd)pyrene	0.030	0.1	0.0030

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.074**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Six Parcels  
 Location: Palmetto  
 Facility/Site ID No.: N/A

Soil Sample No. SS-B  
 Sample Date 6/26/2018  
 Location: \_\_\_\_\_  
 Depth (ft): 0-1

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.013	1.0	0.0130
Benzo(a)anthracene	0.015	0.1	0.0015
Benzo(b)fluoranthene	0.018	0.1	0.0018
Benzo(k)fluoranthene	0.010	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.008	1.0	0.0083
Indeno(1,2,3-cd)pyrene	0.010	0.1	0.0010

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.026**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value



