

Level I

Contamination Screening Evaluation Report

Florida Department of Transportation
District One

Project Development and Environment Study
SR 31 (Babcock Ranch Road)
from SR 80 (Palm Beach Boulevard) to SR 78 (Bayshore Road)

Lee County, Florida

Financial Management Number: 441942-1-22-01

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The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the FHWA and FDOT.

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1.0 Executive Summary

On behalf of the Florida Department of Transportation (FDOT), this Level I Contamination Screening Evaluation Report was prepared to support the Project Development and Environment (PD&E) Study for SR 31 (Babcock Ranch Road) from SR 80 (Palm Beach Boulevard) to SR 78 (Bayshore Road) located in Lee County, Florida. This contamination evaluation was performed in accordance with the FDOT PD&E Manual, Part 2, Chapter 20 (July 1, 2020). Additional right-of-way is anticipated to accommodate the proposed project improvements for the mainline and drainage sites.

Based on the methodologies completed for this study, the following risk ratings were assigned to the contamination sites identified along the project right-of-way:

Number of Contamination Sites per Risk Rating			
High	Medium	Low	No
2	4	12	3

Additionally, one drainage site was identified within the study area and assigned a Medium risk rating for the project.

A total of six sites were assigned risk ratings of High or Medium. For four of these six sites, Level II testing, if deemed appropriate by the District Contamination Impact Coordinator, is recommended. The Level II can include hazardous material surveys, soil borings, monitor well installation, soil and groundwater sampling, laboratory testing, and the use of an Organic Vapor Analyzer and Ground Penetrating Radar.

Although Sites 9 and 21 were rated High and Medium, no testing is recommended. For Site 9 – Accident SR 31 & Palm Beach Boulevard, additional file review is recommended to determine if testing is warranted in consideration of NPDES permitting. Although Site 21 – Wilson Pigott Bridge (FDOT No. 120064) was assigned a risk rating of High, no further testing is recommended since an asbestos survey and screening for Metals-Based Coatings was already performed.

For the locations rated No or Low for contamination, no further action is required. These locations have been determined not to have any contamination risk to the study area at this time.

Once final design plans are available, additional review is recommended in consideration of dewatering operations that may be necessary under the *National Pollutant Discharge Elimination System Generic Permit for Stormwater Discharges from Large and Small Construction Activities*. Verification testing may be warranted for contamination issues within 500 feet of the dewatering area.

For areas where a structure is located within proposed right of way, an asbestos survey is recommended, in accordance with PD&E Manual, Part 2, Chapter 20.

2.0 Introduction

Project Overview

The FDOT, The FDOT, District One (Department) is conducting a Project Development and Environment (PD&E) Study in accordance with the National Environmental Policy Act (NEPA) to evaluate capacity, operational, structural, and modal improvements to about 1.4 miles of State Road (SR) 31 from SR 80 (Palm Beach Boulevard) to SR 78 (Bayshore Road) in northeastern Lee County (see **Figure 1**).



The study includes the evaluation of capacity improvements to its current two-lane configuration, as well as pedestrian and bicycle accommodations. The study also includes evaluating repair/rehabilitation and replacement options for the Wilson Pigott Bridge over the Caloosahatchee River and improvement alternatives for the SR 31/SR 80 intersection.

The Department is coordinating with adjacent studies, including the SR 78 PD&E Study, the SR 31 North Design-Build project, and the pending Babcock Ranch development.

Existing Facility and Conditions

SR 31 in the project study area is classified by the Department as an Urban Minor Arterial. SR 31 is considered an Emerging Strategic Intermodal System (SIS) Corridor. The existing typical section is a two-lane, undivided rural roadway with two 12-foot travel lanes and 5-foot paved outside shoulders centered within a 100-foot right-of-way. The existing bridge is a 14-span low-level bascule structure with 10-foot lanes, 4-foot outside shoulders, and 3.5-foot raised sidewalks on both sides with no separation from motor vehicles. The existing vertical clearance over the channel is 26 feet.

The posted speed limit in this section of SR 31 is 40 mph. The surrounding land uses are a mixture of rural residential, commercial, and undeveloped land. The Lee County Future Land Use map (as of January 2022) reveals that most of the study area is zoned as “Future Urban Areas-Suburban”. “Sub-Outlying Suburban”, “Non-Urban Areas-Rural”, and “Environmentally Critical Areas-Wetlands” designations are also in the project vicinity.

Stormwater runoff is collected in open drainage swales adjacent to the roadway with ultimate outfall to the Caloosahatchee River. SR 31 has no existing stormwater management facilities. The project is located within WBID 3240C, which is impaired for Nutrients. There are four cross drains within the project limits.

Purpose and Need

The purpose of the project is to address capacity, operational, and structural deficiencies of SR 31 from SR 80 to SR 78 in northeastern Lee County. To meet future travel demand, the project will evaluate potential widening improvements to its current two-lane configuration, including paved shoulders, sidewalks, bike lanes, and/or a multi-use pathway. Repair/rehabilitation and replacement options for the Wilson Pigott Bridge will also be evaluated as part of the project, as design elements of the bridge are substandard.

The need for the project is based on the following primary and secondary criteria:

PRIMARY CRITERIA

CAPACITY/TRANSPORTATION DEMAND: Improve Operational Conditions

The existing year [2022] Annual Average Daily Traffic (AADT) volume for the SR 31 project corridor is 16,600 vehicles per day (vpd), operating at Level of Service (LOS) C. As SR 31 is a designated highway corridor of Florida's Emerging SIS and a Tier I Freight Corridor of Lee County, approximately 25% of existing traffic along the roadway is composed of trucks. The SIS

network includes the state's most significant transportation facilities, as these facilities carry the highest volumes of freight and commuter traffic. The projected demand along the corridor exceeds the maximum threshold of 20,000 AADT for a two-lane facility. As an Emerging SIS facility, LOS D is the minimum acceptable LOS for SR 31. Without capacity improvements, the corridor is projected to operate at LOS F.

Much of the growth contributing to the increase in traffic comes from the Babcock Ranch Development of Regional Impact (DRI) located to the north of the SR 31 project segment. Although the Babcock Ranch DRI is in Charlotte County, some development is expected to occur in Lee County, such as the Babcock Ranch Mixed-use Planned Development (MPD) and a marina to be sited northeast of the project corridor. The Babcock Ranch DRI and MPD is approved for 19,500 residential dwelling units, almost 5 million square feet of office and retail space, and 600 hotel rooms. In addition, the DRI is approved for 650,000 square feet of industrial space, which will further increase the volume of trucks moving freight along the corridor. Also, eight Planned Unit Developments exist or are proposed along the SR 31 project segment, including a mixed-use development southeast of SR 31 and SR 80. The Sweetwater Landing Marina, located along the corridor, has expanded operations.

Increased congestion along SR 31 between SR 80 and SR 78 is anticipated due to this noted growth. Conditions along the roadway will be exacerbated if no improvements occur because the roadway lacks the operational capacity to accommodate future travel demand. In addition, freight traffic and multimodal activity are expected to increase along the corridor due to projected growth in the area.

SUBSTANDARD BRIDGE ELEMENTS: Address Mechanical Malfunctions & Design Deficiencies

The Wilson Pigott Bridge was constructed in 1960 and has exceeded its fifty-year design life. Based on a FDOT bridge inspection report conducted in October 2021, the Wilson Pigott Bridge received a sufficiency rating of 52.0 (on a scale of 0-100). Sufficiency rating is essentially an overall rating of a bridge's fitness to remain in service. A sufficiency rating below 50.0 qualifies a bridge for replacement funds. The bridge inspection report also revealed a health index of 95.52 for the Wilson Pigott Bridge. The health index uses the condition rating of several important bridge components to develop a number from 1 to 100. The lower the number, the more work is required to improve the bridge's overall condition. Below 85 generally means repairs are needed. A low health index may also indicate that it would be more economical to replace the bridge than to repair it. Additionally, an interview conducted with Lee County Metropolitan Planning Organization (MPO) staff in February 2018 indicated that the Wilson Pigott Bridge frequently experiences mechanical malfunctions leaving the bascule span in the up position, disrupting traffic flow and circulation in the area.

Although the current bridge inspection report indicates a health index over 90 due to the most recent bridge repairs, the bridge has substandard design elements, including:

- Narrow roadway widths [ten-foot travel lanes and four-foot shoulders]
- Narrow pedestrian facilities [three-foot six-inch sidewalks on both sides with no guardrail separating pedestrians and motor vehicles]
- Substandard bridge rails

As the Caloosahatchee River is a navigable waterway, the United States Coast Guard (USCG) regulates the horizontal and vertical clearance requirements for bridges constructed over navigable waters. The following minimum movable bridge clearance guidelines for the Caloosahatchee River at the project location are: Horizontal Clearance = 90 feet; Vertical Clearance (closed) = 21 feet. The vertical clearance for the Wilson Pigott Bridge (closed) is 26 feet at the center and 23 feet at the fenders, and the horizontal clearance is 86.6 feet. Based on this condition, the Wilson Pigott Bridge does not meet the current USCG guide for horizontal clearance.

SECONDARY CRITERIA

AREA WIDE NETWORK/SYSTEM LINKAGE: Enhance Regional Connectivity

Planned immediately north of the SR 31 project segment is the widening of SR 31 from SR 78 in Lee County to North of Cook Brown Road in Charlotte County. The proposed widening of SR 31 from SR 80 to SR 78 will provide a continuous connection from Lee County into Charlotte County and a viable north-south alternate route to I-75.

SAFETY: Improve Emergency Evacuation and Response Times

Serving as part of the emergency evacuation route network designated by the Florida Division of Emergency Management and Lee County, SR 31 [including the Wilson Pigott Bridge] plays a critical role in facilitating traffic during emergency evacuation periods as one of seven crossings over the Caloosahatchee River within Lee County. The project is in Lee County's Evacuation Zone "A", and all the neighborhoods in proximity to the project corridor are within the 100-year floodplain. Improving the operational capacity of the roadway and maintaining the functionality of the Wilson Pigott Bridge will further enhance emergency evacuation efficiency leading to improved evacuation and response times.

The purpose of this contamination screening evaluation report is to present the findings of a Level I contamination screening evaluation for the mainline and drainage sites. This report also presents recommendations for additional analysis. The study was performed in accordance with Part 2, Chapter 20 of the FDOT's *PD&E Manual* (July 1, 2020).

Additional right-of-way is anticipated to accommodate the proposed project improvements for the mainline and drainage sites.

3.0 Project Alternatives

Alternatives

An alternatives analysis process consists of developing, evaluating, and eliminating potential project alternatives (including the No-Build option), based on the purpose and need for the project. This process also considers the engineering and environmental factors, along with public and stakeholder input.

PREFERRED ALTERNATIVE

The Preferred Alternative consists of the following:

- Widen the existing two-lane undivided roadway to a six-lane divided roadway from SR 80 to SR 78
- Replace the Wilson Pigott Bridge over the Caloosahatchee River
- Improvements to the SR 31/SR 80 intersection

The Preferred Alternative will consist of widening the two-lane roadway to six lanes. The proposed SR 31 roadway typical section from SR 80 to SR 78 will include three, 11-foot travel lanes in each direction separated by a 22-foot raised median with type E and F curb along the inside and outside lanes, respectively. A 12-foot shared-use path is proposed on each side of SR 31 (northbound and southbound) with a 9-foot utility strip between the back of curb and path. This typical section will require approximately 32 acres of new right-of-way.

The Preferred Alternative is a combination of widening existing SR 31 from SR 80 for about 0.7 miles, then shifting 300 feet east prior to the Wilson Pigott Bridge to minimize impacts to the existing Florida Gas Transmission (FGT) line; this roadway segment will be located east of the existing two-lane roadway and the 50-foot FGT easement. The project will tie into the proposed SR 31 North Design-Build project at the northern terminus.

The proposed design speed for the project is 45 miles per hour. The Preferred Alternative raises the profile above the current 100-year floodplain. The profile will be raised approximately three feet above existing SR 31 due to the updated 100-year floodplain elevation (from seven feet to ten feet) in the project corridor.

A new high-level fixed bridge will be constructed to replace the existing Wilson Pigott Bridge. The proposed bridge will meet USCG vertical clearance requirements of 55 feet for a high-level fixed bridge.

The Preferred Alternative also includes reconfiguring the existing intersection of SR 31/SR 80 to a grade-separated intersection. The grade-separation will introduce two new flyover bridges for SR 31 and SR 80 movements and will also include a new signal on SR 31.

Stormwater runoff from the project will be collected and conveyed in closed drainage systems to one proposed offsite pond for water quality treatment and attenuation per state and federal requirements. The pond will discharge at or near the same outfall ditch that carry the roadway runoff in the existing condition. An additional 13.5 acres of right-of-way will be required for the proposed pond and associated access easements.

4.0 Methodology

A contamination screening was conducted to identify contamination issues from properties or operations located within the vicinity of the project. This evaluation consisted of the following tasks:

- Aerial photographs were reviewed to develop a history of the previous land uses within the study area and to identify sites which may have historical uses that pose contamination concerns. Aerial photographs dated 1944, 1953, 1958, 1968, 1975, 1979, 1986, 1996, 2005, 2014, and 2020 provided by EDM were reviewed for this project. Additionally, aerial photographs from the University of Florida, FDOT Survey & Mapping, and Google Earth (1996, 1999, 2004-2008, 2010-2014, 2016-2017, and 2019-2022) databases were used for instances where additional coverage, and/or better quality of photographs may have been required. A summary of our review is discussed in **Section 5.2**. Site specific details are provided, where appropriate, in **Table 1**. A copy of the 2020 aerial photograph is presented in **Appendix A**. Copies of select historical aerial photographs are presented in **Appendix B**.
- Topographic maps were reviewed using imagery available from the United States Geological Survey (USGS) website. Topographic maps can be useful identifying contamination concerns such as railroads, mine lands, bulk storage tanks, and landfills/disturbed lands. Additionally, land use and water features, including elevation contours can be identified on topographic maps. The USGS 7.5-Minute “Ft. Myers, Florida” Quadrangle maps dated 1958, 1972, and 1987, and 1991 were reviewed as part of this study. The topographic map(s) are provided in **Appendix C**.
- Lee County Property Appraiser (LCPA) database information was reviewed for suspect contamination sites where other resources may not have provided ample information regarding the site, or to determine addresses, parcel boundaries and other pertinent information.
- An environmental database search using Environmental Data Management, Inc. (EDM) was conducted on March 22, 2023 (drainage site) and March 30, 2023 (mainline) to identify sites, facilities or listings within the study area containing documented or suspected petroleum contamination or other hazardous materials. The search distances are as follows:
 - 500 feet from the right-of-way (ROW) line for petroleum, drycleaners, and non-petroleum sites,
 - 1,000 feet from the ROW line for non-landfill solid waste sites (such as recycling facilities, transfer stations, and debris placement areas), and
 - ½ mile from the ROW line for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), National Priorities List (NPL) Superfund sites, or Landfill sites.
- The EDM report is used as a preliminary screening tool to identify facilities that are registered with various county, state, and federal agencies. The regulatory review of federal and state

environmental records utilizes an integrated geographic information system database. The database report provides geocoded and non-geocoded regulatory listings of interest that are identified within the study area. Each listing is located by address, facility identification number and field verified where possible. All are reviewed for the potential of contamination to impact the project. The reviewed records include information compiled by the United States Environmental Protection Agency (EPA), the Florida Department of Environmental Protection (FDEP), and other various reporting programs. A complete list of all regulatory record databases searched is included in the environmental database search report, provided in **Appendix D**. The facilities identified in the EDM report are evaluated in **Section 8.0**. Supplemental information obtained from the FDEP OCULUS database, and other regulatory databases are included in **Appendix F**.

- A site reconnaissance was performed to identify new and/or undocumented contamination sites, and to verify locations of documented contamination sites. Select photographs are provided in **Appendix E**.
- The Contamination Screening Evaluation Report State Road 31 Project Development and Environment Study dated May 2012 was reviewed. This report is herein referred to as PD&E CSER dated May 2012.
- The Summary of Activities Report Asbestos Containing Materials and Metals Based Coatings Assessment dated May 2019 was reviewed. The report is provided in **Appendix G**.
- Risk ratings for each contamination site or pond were assigned after evaluating the findings of each of the previously mentioned methodologies. The rating system defined in PD&E Manual is divided into four categories of risk which express the degree of concern for contamination problems. The four degrees of risk ratings are “No,” “Low,” “Medium,” and “High” and are defined as follows:

No Risk Site

A review of available information on the property and a review of the conceptual or design plans indicates there is no potential contamination impact to the project. It is possible that contaminants have been handled on the property. However, findings from the Level I evaluation indicate that contamination impacts are not expected.

Low Risk Site

A review of available information indicates that past or current activities on the property have an ongoing contamination issue; the site has a hazardous waste generator identification (ID) number, or the site stores, handles, or manufactures hazardous materials. However, based on the review of conceptual or design plans and/or findings from the Level I evaluation, it is not likely that there would be any contamination impacts to the project.

Medium Risk Site

After a review of conceptual or design plans and findings from a Level I evaluation, a potential contamination impact to the project has been identified. If there is insufficient information (such as regulatory records or site historical documents) to make a determination as to the potential for contamination impact, and there is reasonable suspicion that contamination may exist, the property should be rated at least as a “Medium.” Properties used historically as gasoline stations and which have not been evaluated or assessed by regulatory agencies, sites with abandoned in place underground petroleum storage tanks or currently operating gasoline stations should receive this rating.

High Risk Site

After a review of all available information and conceptual or design plans, there is appropriate analytical data that shows contamination will substantially impact construction activities, have implications ROW acquisition or have other potential transfer of contamination related liability to the FDOT.

At the request of the FDOT District One, District Contamination Impact Coordinator (DCIC), all sites located within 500 feet of the ROW with open/active discharges (identified using state and/or federal regulatory databases) shall be assigned a risk rating of High or Medium since these sites have the potential to affect at least the permitting for the *National Pollutant Discharge Elimination System (NPDES) Generic Permit for Stormwater Discharges from Large and Small Construction Activities* dewatering activities.

5.0 Land Uses

Determination of previous land uses and occupancies is an important factor when evaluating the potential for contamination involvement. Developing a history of the project and surrounding areas can assist in determining the potential for releases or discharges of hazardous materials or petroleum products. To determine land uses for this project, a site reconnaissance and interviews (**Section 7.0**) were performed along with a review of historical aerial photographs and topographic maps.

5.1 Site Reconnaissance

Site visits were conducted on April 26, 2022 and May 6, 2022 to evaluate each property within and in close proximity to the mainline and drainage sites for contamination concerns. The site reconnaissance in conjunction with the desktop review allow the sites to be rated as to the degree of contamination concern as discussed in **Section 4.0**. The reconnaissance included a systematic inspection of each parcel along the project corridor, and surrounding areas looking for signs of contamination. This was achieved by driving, where possible, the project, and walking the parcels within and surrounding the project (where accessible) to gain specific information regarding the usage and condition of each contamination site. Photographs of the contamination concerns were taken during the site inspection. Select images are presented in **Appendix E**.

Some of the typical physical indicators for contamination concerns include: railroad tracks, fill ports and vent pipes associated with underground storage tanks (USTs), oil/petroleum staining, drums, chemical containers, refuse, illicit dumping, solid waste, stressed vegetation, dry cleaning facilities, material handling from adjacent businesses, petroleum dispensers, excavated areas, agricultural use, chemical mix/load areas, stormwater outfall areas, surface water indicators, groundwater monitor wells, restricted area/contamination/hazardous material/petroleum pipeline signage, cattle dip vats and other property uses that may present contamination concerns.

During the site reconnaissance on April 26, 2022 and May 6, 2022, SR 31 was observed as a two-lane road, with turn lanes added at major intersects. Wilson Pigott Bridge crosses the Caloosahatchee River in the northern area. SR 31 was surrounded by woods, pasture, low, we areas, and several commercial businesses. SR 82 was observed as a 4-lane, and 6-lane road surrounded by commercial businesses, and some residential areas. A detailed description of field observations for each contamination site is provided in **Section 8.0**.

5.2 Historical Aerial Photograph Review

The years and sources of the aerial photographs reviewed are provided in **Section 4.0**. A copy of the most recent aerial photograph provided by ArcGIS PRO 2023 is presented in **Appendix A**.

Copies of select historical aerial photographs are presented in **Appendix B**. The following is a summary of our review:

1944: Neither SR 80 or SR 31 are depicted. In the vicinity, the Caloosahatchee River is depicted surrounded by low, wet areas, and rangeland. A small island is depicted near the north side of the river. Trails are depicted in the southern areas. Although SR 80 is not depicted, a railroad (was not depicted/confirmed on historical topographic maps) or an old road is depicted along the south side of SR 80. However, if it were a railroad it would be considered a low risk since it was located offsite, no contamination was reported, and potential impacts associated with a railroad were likely mitigated by redevelopment. No further discussion regarding a possible railroad is warranted.

1958: SR 80 is first depicted in the current alignment. Offsite, roads and several houses are depicted north of SR 80 near the eastern project limit.

1968: SR 31, including a bridge over the Caloosahatchee River are depicted in their current alignment. The area to the north appears to have been filled/cleared. Clearing and a manmade canal are depicted west of SR 31, south of the river.

1975: A manmade canal is depicted within the SR 31 proposed ROW, east of SR 31 in the central area. The manmade canal west of SR 31, south of the river was expanded, and at least two structures were depicted in this vicinity. Two structures were added at the northeast corner of the SR 80/SR 31 intersect.

1986: Four structures were depicted along SR 80. Development added northwest of the SR 31 project limit.

1994: SR 80 is widened, and more development noted along SR 80.

1996: More development noted along SR 80. Row crops were also depicted south of SR 80 in the eastern area.

2004: A golf course is depicted south of SR 80 in the eastern area. Clearing/earthwork and multiple manmade ponds are depicted south of SR 80.

2005-2007: More development is depicted south of SR 80.

2008-2017: No changes noted.

2019: More development in the central area, west of SR 31.

2020: Clearing/earthwork at the northeast corner of the SR 80/SR 31 intersect.

2020: A gasoline station was added at the northeast corner of the SR 80/SR 31 intersection.

2021-2022: SR 80, SR 31, and surrounding areas are depicted in the current configuration.

Additional site-specific current land use details regarding facilities/sites of contamination concern are included in **Table 1** in **Section 8.0**.

5.3 USGS Topographic Map Review

Topographic maps are reviewed to develop an understanding of previous land uses in the study area and to identify any areas that may show historical, natural and manmade features, which aid in determining contamination concerns. The following reviews are provided for the USGS 7.5-Minute “Ft. Myers, Florida” topographic map (**Appendix C**):

1958 – SR 80 is depicted in the current configuration. A power line easement intersects the western portion of SR 80. Surrounding areas are mostly shaded in white, which indicated cleared land or pasture. A small wooded swamp or marsh is depicted in the eastern area, and a several roads are depicted north of SR 80, near the east project limit.

1958 – SR 31 was not depicted. In the northern area is the Caloosahatchee River. It is surrounded to the north and south with mostly submerged swamp or marsh. A small mangrove area, and a stream are depicted on the north side of the river. A small mangrove island is depicted near the northern side of the river. The southern area is cleared land, woods, and submerged swamp or marsh. Offsite, SR 78 is depicted northwest of the project limit.

1972 – SR 80: Changes noted include three small structures depicted north of SR 80, east of SR 31.

1972 – SR 31: Changes noted include SR 31 is depicted in the current configuration, including a bridge. Disturbed land, and cleared land or pasture are depicted north of the Caloosahatchee River. In the southern area, submerged swamp or marsh was changed to cleared land or pasture.

1987 – SR 80: Changes noted include more development north of SR 80, near the east project limit.

1987 – SR 31: Changes noted include three structures west, and one structure east of SR 31. South of the bridge, manmade canals were added east and west of SR 31.

Contamination concerns were not noted during the review of historical topographic maps.

6.0 Hydrologic Features

6.1 Aquifers of Florida

The Floridan aquifer is found throughout Florida and extends into the southern portions of Alabama, Georgia, and South Carolina. This aquifer system is comprised of a sequence of limestone and dolomite, which thickens from about 250 feet in Georgia to about 3000 feet in south Florida. The Floridan aquifer system has been divided into an upper and lower aquifer separated by a unit of lower permeability. The upper Floridan aquifer is the principal source of water supply in most of north and central Florida. In the southern portion of the state, where it is deeper and contains brackish water, the aquifer has been used for the injection of sewage and industrial waste. Groundwater flow is generally from high elevations within the central portion of the state towards the east and west coasts.

The surficial aquifer system in Florida includes any otherwise undefined aquifers that are present at land surface. The surficial aquifer is mainly used for domestic, commercial, or small municipal supplies. The surficial aquifer system is generally under unconfined, or water table conditions and is made up of mostly unconsolidated sand, shelly sand, and shell. The aquifer thickness is typically less than 50 feet. Groundwater in the surficial aquifer generally flows from areas of higher elevation towards the coast or streams where it can discharge as base flow. Water enters the aquifer from rainfall and exits as base flow to streams, discharge to the coast, evapotranspiration, and downward recharge to deeper aquifers.

6.2 Hydrology – Site Reconnaissance

During the site reconnaissance, the Calhoosahatchee River was observed in the northern portion of the project. Manmade ditches were located along the roadways.

6.3 Hydrology – USGS 7.5 Minute Topographic Maps

Based on the topographic maps, slope is towards the Calhoosahatchee River in the northern areas. Slope along SR 80 is relatively level, except a low, wet area in the eastern portion of the project.

7.0 Interviews

Communication with landowners, facility operators, residents, and governmental agencies can aid in the understanding of past and current land uses within the study area. Where possible or when necessary, interviews or requests for information are collected in an effort to identify potential concerns associated with petroleum storage tanks; automotive or marine, maintenance, service or repair facilities; dry-cleaning processes; and other industrial or agricultural operations that could affect the project.

The following interviews were conducted, or attempted for this evaluation:

- Site 9 – Accident SR 31 & Palm Beach Boulevard – Tierra emailed the FDEP Southwest District on March 10, 2022, and March 3, 2023. Additionally, a telephone conversation was held with Mr. Robert Sellers, FDEP Southwest District, on April 5, 2023.
- Site 18 – LJ’s Lounge – An unnamed employee was interviewed during the site reconnaissance on May 6, 2022. She was not aware of the former use of this site or petroleum storage tanks onsite.

These interviews and/or correspondences are documented in **Table 1** in **Section 8.0**. The emails are included in **Appendix F**.

8.0 Project Impacts

Based on the methodologies performed, 21 contamination sites were identified within the study area which may impact this project (**Table 1**). The drainage site is discussed in Table 2. The location of each contamination and drainage site is illustrated in **Appendix A**.

TABLE 1: CONTAMINATION SITE RISK RATINGS						
Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
SR 80 (Palm Beach Boulevard)						
1 (EDM 1)	TIRE SERVICES OF FLORIDA 11480 PALM BEACH BLVD	WACS 96352 Formerly SLDWST_LF 99249	1,000 feet west of SR 80 project limit	Waste Tires, Petroleum, Solvents	Low	<p>During the site reconnaissance, this site was observed as Newell Lawn Care and Property Maintenance, located 1,000 feet west of the project limit.</p> <p>EDM's report states a complaint was filed for "unauthorized disposal/processing." A complaint in 2001 states 3,000 tires were stored at this location which is in violation of the permitted quantity of 1,500 tires. No evidence of buried debris or landfill activity was noted in the files reviewed. The FDEP Inspection Checklist dated July 21, 2011 states less than 1,000 tires were observed during the inspection, and an administrative violation (no records of tire disposal tonnage was available for three years) was noted. Aerial photographs first depict this site in 1975. Based on a review of aerial photographs, no landfill was apparent.</p> <p>Given the separation distance of 1,000 feet, this site is assigned a risk rating of Low.</p>
2	POLE BARN/ GREEN HOUSE/ TREE FARM 2950-2990 WILDWOOD LANE	Site reconnaissance, Aerial photographs	100 feet north of SR 80	Petroleum, Herbicides, Pesticides	Low	<p>During the site reconnaissance, this site was observed as a tree farm with a newly constructed pole barn, and a greenhouse under construction (north side of pole barn). Most of the items located within the pole barn were covered. Several empty 5-gallon buckets were noted within the pole barn. No fuel storage tanks or hazardous materials were noted. Aerial photographs first depict planted trees in 2006, the pole barn/greenhouse are not depicted until 2021. No regulatory files were found. Given the separation distance, and lack of a reported discharge, this site is assigned a risk rating of Low.</p>
3	FIRST BANK 11741 PALM BEACH BLVD	Site reconnaissance, Aerial photographs	Adjacent south of SR 80	Petroleum	No	<p>During the site reconnaissance, this site was observed as First Bank, with an emergency generator and base tank (500-gallons) located 250 feet south of the SR 80 ROW. Aerial photographs first depict this site in 2006. No regulatory files were found. Given the separation distance, and lack of a reported discharge, this site is assigned a risk rating of No. This is consistent with the risk rating assigned (Site 5) in the PD&E CSER dated May 2012.</p>
4	VERANDAH CLEANERS 11821 PALM BEACH BLVD	Site reconnaissance, Aerial photographs	480 feet south of SR 80	Dry Cleaning solvents	Low	<p>During the site reconnaissance, this site was observed as Verandah Cleaners, a dry cleaning drop-off and alterations facility located 480 feet south of the SR 80 ROW. Based on an interview during the site reconnaissance, this is a drop off site. Dry cleaning is performed at another location. Aerial photographs first depict this site in 2006. No regulatory files were found. Given the separation distance, and nature of operations (drop-off), this site is assigned a risk rating of Low. This is consistent with the risk rating assigned (Site 2) in PD&E CSER dated May 2012.</p>
5 (EDM 10)	TIRE RECYCLING SERVICES OF FLORIDA, LLC 11821 PALM BEACH BLVD	SLDWST_NLF 107466	380 feet south of SR 80	Waste Tires	No	<p>During the site reconnaissance, this site was observed as Qwik Pack & Ship. No contamination concerns were noted.</p> <p>EDM's report states this is a waste tire collector. A waste tire application dated May 1, 2022 was the only file found in the FDEP OCULUS database.</p> <p>Given the separation distance, and nature of the listing (waste tire collector), this site is assigned a risk rating of No.</p>

TABLE 1: CONTAMINATION SITE RISK RATINGS

Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
6 (EDM 2)	7-ELEVEN 11891 PALM BEACH BLVD	9807804	Adjacent south of a SR 80 ROW	Petroleum	Medium	<p>During the site reconnaissance, this site was observed a 7-Eleven/Mobil, an active gas station. The tank farm is located 100 feet south of the ROW. This site was first depicted on the 2006 aerial photograph.</p> <p>EDM's report states four USTs (two 15,000-gallons, two 12,000-gallons) were installed in 2005, and remain in-service. UST contents includes unleaded gasoline and diesel fuel. No discharge was reported.</p> <p>This site is assigned a Medium risk rating since it is an active gas station. This risk rating was raised from the Low (Site 8) and No (Site 12) risk ratings assigned in the PD&E CSER dated May 2012.</p>
7	FORMER GAS STATION 12002-12010 PALM BEACH BLVD	Aerial photographs	Within proposed and adjoining SR 31 ROW	Petroleum	High	<p>During the site reconnaissance, this site was observed as an unpaved, fenced lot. It appears to have fill material (sandy soil and gravel). Aerial photographs depict two structures at this site from 1975 to 2019. Two pump islands (south and west of the west building) were noted on aerial photographs from 1972 to 1986. One possible AST was noted on aerial photographs from 1975 to 1986. The pump islands have been labeled on the 1986 aerial photograph, last page Appendix B. A portion of the west building is depicted within the SR 31 proposed ROW. A construction staging yard is depicted on the 2020 aerial photograph. The current configuration as an unpaved, fenced lot was first depicted in 2021. According to information found on the LCPA database, the property has been owned by Okeechobee Inn, Ltd. since 1997. No FDEP regulatory files were found. Given the former use as a gas station with no regulatory files and oversight, and the possibility that USTs remain, this site is assigned a risk rating of High.</p>
8 (EDM 4)	RACETRAC #2571 12050 PALM BEACH BLVD	9817743	Adjoining north of a SR 80 ROW	Petroleum	Medium	<p>During the site reconnaissance, this location was observed as an active RaceTrac gasoline station. The tank farm is located 30 feet north of the SR 80 ROW. This site is first depicted on the 2021 aerial photograph.</p> <p>EDM's report states this site has a total of three in-service USTs (two 24,000-gallons, one 20,000-gallons) installed in 2020. No discharges were reported.</p> <p>Given the status as an active gasoline station, this site is assigned a risk rating of Medium.</p>

TABLE 1: CONTAMINATION SITE RISK RATINGS

Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
9 (EDM 3)	ACCIDENT SR 31 & PALM BEACH BLVD 11741 PALM BEACH BLVD	FDEP OHMIT #2019-31-63060 ERIC 11334	Adjacent north of SR 80 ROW	Petroleum	Medium	<p>Although the precise location of the spill was unable to be determined, during the site reconnaissance, the suspected location was observed as low, wet and wooded areas east or northeast of RaceTrac gas station, and at least 100 feet north of SR 80 ROW.</p> <p>Based on photographs included in Custard Insurance Adjusters (CIA) <i>First & Final Environmental Report</i> dated July 25, 2019, it appears the location of the spill may have been east of the RaceTrac gas station, and over one hundred feet north of the SR 80 (Palm Beach Boulevard) ROW. Although maps and photographs were included, no labels were included depicting the location of the discharge, or the orientation of the photographs taken. Although the precise location remains uncertain, Tierra plotted the location in CSER Appendix A by correlating site reconnaissance observations, aerial photographs, and the site spill photographs included in CIA's report. The report was for a 50-gallon release of diesel fuel and hydraulic fluid on a construction site at the "NW corner of SR 31 & Palm Beach Boulevard" on May 16, 2019. The northwest reference is in error since the photographs more closely match the area northeast of the SR 31/SR 80 intersection. Approximately 1,500-gallons of petroleum impacted water, and three 55-gallon drums of impacted soil was recovered and disposed offsite (CSER Appendix F).</p> <p>Tierra emailed the FDEP and received a response from Lucy Blair, FDEP South District dated March 10, 2022. Ms. Blair requested a status update from the responsible party. However, the response provided claimed he was not the responsible party. Tierra emailed the FDEP again on March 3, 2023 for further information. Ms. Blair stated responsibility for waste cleanup sites has been transferred to the FDEP Southwest District office. Mr. Robert Sellers, FDEP Southwest District, stated in a telephone conversation on April 5, 2023 that he will evaluate file information and may issue a letter closing the file since some level of initial response abatement was performed. However, he has not completed his file evaluation as of this writing.</p> <p>Given the separation distance to the ROW, discharge quantity, source removal, and time for natural attenuation, this site is not anticipated to impact soil or groundwater within the SR 80 ROW. However, in consideration of NPDES requirements for dewatering (if necessary), since this site is located within 500 feet of the project limits with an open discharge (diesel fuel and hydraulic fluid), this site is assigned a risk rating of Medium.</p>
10	SUPERIOR AUTO CARE 12238 PALM BEACH BLVD	NA	Adjoining north of SR 80 ROW	Petroleum, solvents	Low	<p>During the site reconnaissance, this location was observed as Superior Auto Care, an automotive repair facility. Approximately five hydraulic lifts were noted inside and outside of the structure. Several waste oil and automotive fluid ASTs were noted on the north side of the building. No monitor wells were noted. No regulatory files were found. Given the lack of a reported discharge, this site is assigned a risk rating of Low.</p>

TABLE 1: CONTAMINATION SITE RISK RATINGS

Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
11 (EDM 5)	FORMER CIRCLE K #2707335 / REDBONE SPIRITS 12255 PALM BEACH BLVD (FORMERLY 7033)	8518912	Adjoining north of a SR 80 ROW	Petroleum	Medium	<p>During the site reconnaissance, this location was observed as Redbone Spirits. A tank farm (concrete with steel UST covers) and pump island (pumps removed) were noted east and southeast of the structure. Multiple groundwater monitor wells were noted at this site. EDM's report states this is a closed retail gas station with four USTs (two 10,000-gallons unleaded gasoline, one 8,000-gallons diesel, and one 800-gallons unleaded gasoline) installed in 1977 and 1984, and closed in place in 2009. Two discharges were reported:</p> <ul style="list-style-type: none"> Discharge date: November 23, 1988, site assessment on-going (Early Detection Incentive (EDI) score 10) Discharge date: April 1, 1997 – The FDEP letter dated April 3, 2023 states “based on tank and line testing performed on August 5, 1997, the Department concludes that a discharge had not occurred and no further assessment is required at this time for the above referenced discharge.” <p>The Supplemental Site Assessment Report dated September 15, 2021 included figures which depicts soil (TRPH at SB-20 and SB-21) and groundwater petroleum plume (Polycyclic Aromatic Hydrocarbons (PAHs)) at MW-5 located 50 feet north of the ROW, and groundwater flow to the southeast, towards the SR 80 ROW. SB-20 and SB-21 are located over 90 feet north of the ROW. Measured depth to groundwater ranged from 2.81 to 3.29 feet bls in May 2021 (Appendix F). The FDEP letter dated May 20, 2022 states the Petroleum Restoration Program (PRP) “concur with Atlas’ recommendation that the subject site may qualify for a Low Scored Site Initiative (LSSI) No Further Action (NFA), however additional soil and groundwater assessment is required.”</p> <p>Given the open discharge and proximity to the ROW, this site is assigned a risk rating of Medium. This is consistent with the risk rating assigned (Sites 11 and 4A) in PD&E CSER dated May 2012.</p>
12	VERANDA CLUB GOLF COURSE 12355 PALM BEACH BLVD	9805918	Adjoining south SR 80 ROW	Petroleum, solvents, pesticides, herbicides, arsenic	Low	<p>During the site reconnaissance, this site was observed as Veranda Club golf course. The Veranda Club maintenance facility located 400 feet east of the SR 80 east project limit is not a contamination concern. The fairway located adjoining south of the SR 80 ROW is considered a low risk.</p> <p>Aerial photographs depict row crops and one structure (100 feet south of SR 80) in 1999. This site is first depicted in the current configuration as a golf course in 2004.</p> <p>Given the lack of a reported discharge, and separation distance to the golf maintenance facility, this site is assigned a risk rating of Low.</p>
13 (EDM 6)	FORT MYERS SHORES FIRE DEPARTMENT STATION 81 12345 PALM BEACH BLVD	8627451	Adjoining south of a SR 80 ROW	Petroleum	Low	<p>During the site reconnaissance, this location was observed as Fort Myers Shores Fire Department Station 81. One emergency generator with a base AST (500-gallons) was observed east of the structure, 50 feet south of the SR 80 ROW. No stained soil or stressed vegetation was noted.</p> <p>EDM's report states one 1,000-gallon unleaded gas UST was removed (no date given). An FDEP document (no date) includes a statement that the tank was removed in 1990. A sketch dated May 21, 1986 depicts the UST located 130 feet south of the SR 80 ROW (Appendix F). No assessment/closure documents were found, and no discharges were reported.</p> <p>Given the separation distance and lack of a reported discharge, this site is assigned a risk rating of Low.</p>
14	FOX PLUMBING AND POOL SUPPLIES 12338 PALM BEACH BLVD	Site reconnaissance, Aerial photographs	Adjacent north of a SR 80 ROW	Hazardous Substances	Low	<p>During the site reconnaissance, this location was observed as Fox Plumbing and Pool Supplies. One hazardous substance (chlorine) AST was noted west of the structure in a fenced storage yard, along with multiple water heaters and plumbing equipment. This site was first depicted on the 1986 aerial photograph. Given the lack of a reported discharge, this site is assigned a risk rating of Low.</p>
15 (EDM 7)	CARRILLO'S TIRES/ FORMER TURN KEY TIRE AND AUTO 12370 PALM BEACH BLVD	SWNLF 101004	350 feet east of the of a SR 80 east project limit	Petroleum, solvents	Low	<p>During the site reconnaissance, this location was observed as Carrillo's Tires, an automotive repair shop. Although this site resembles a former gas station, no monitor wells, fuel storage tanks, vent pipes or pump island remnants were noted. EDM's report states this is an inactive waste tire collector. This site was first depicted on the 1975 aerial photograph. No pump island was obvious. This site is assigned a risk rating of Low.</p>

TABLE 1: CONTAMINATION SITE RISK RATINGS

Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
16 (EDM 4A)	7-ELEVEN/MOBIL 12516 PALM BEACH BLVD	9804195	490 feet east of SR 80 project limit	Petroleum	Low	During the site reconnaissance, this site was observed as an active 7-Eleven/Mobil gas station. EDM's report identified this site in the proximal records as Site 4A. The FDEP site inspection report dated July 22, 2021 states this site has two 20,000-gallon USTs, and the facility is in compliance. The discharge dated June 11, 2015 was issued an SRCO on January 27, 2020. Although the parcel is within 500 feet of the project limit, the tank farm and pump island are beyond 500 feet. Given the separation distance and lack of a reported discharge, this site is assigned a risk rating of Low.
SR 31 (Babcock Ranch Road)						
17	JOHNS FARM 16361 SR 31	Site reconnaissance, Aerial photographs	Adjoining west of SR 31	Petroleum	Low	During the site reconnaissance, this location was observed as a farm, including several structures and heavy equipment. Two ASTs were noted near the southern boundary of this parcel. Multiple pieces of heavy equipment and farm tools were noted. Aerial photographs first depict trails in 1968, and clearing in 1975. More clearing and trails were noted in 2007. Two large structures (barns) were added in 2007 and 2012. Farm equipment and supplies were depicted along the south boundary since 2007. No regulatory files were found. Given the separation distance to contamination concerns, this site is assigned a risk rating of Low.
18	LJ's Lounge 16500 SR 31	NA Site reconnaissance, Aerial photographs	Within ROW	Asbestos, LBP	Low	During site reconnaissance, this site was observed as LJ's Lounge. This site was first depicted on the 1986 aerial photograph. It appears the site may have been filled to facilitate development. No regulatory files were found. No petroleum storage tanks, vent pipes, groundwater monitor wells, pump island remnants, or other indicators of USTs were noted. However, given the location within proposed ROW (western edge of the building), as an additional consideration, an asbestos survey and screening for metals-based coatings may be warranted. This site is assigned a risk rating of Low.
19 (EDM 8/9)	SWEETWATER LANDING 16691 HWY 31 FORMER MARINA 31 17281 HWY 31	9804415 9102602 ERIC_11236	Adjoining west	Petroleum	Low	During the site reconnaissance, this site was observed as Sweetwater Landing Marina. This parcel includes four structures. The Boathouse Tiki Bar and Grill is located in the northern area, at the river's edge. The two central structures include an office, and a ship store with boat service bays. The southern building is a high and dry boat storage building. One AST was observed 120 feet west of the SR 31 ROW. 9102602 (EDM 9) – EDM's report states this site had two 4,000-gallon USTs (unleaded gasoline, and diesel) installed in 1979, and removed in 1997. One discharge was reported: Discharge date May 30, 1997 was issued an SRCO on January 7, 2000. The 2006 site inspection form states a new facility identification number was assigned with a note to see Sweetwater Landing files (Fac. ID 9804415) in 2006. The address was changed at the same time. 9804415 (EDM 8) – EDM's report states this site has one in-service 5,000-gallon unleaded gasoline AST installed in 2001. No discharges were reported. Aerial photographs first depict this site with two structures in 1975. The northern structure near the river was demolished by 2004, and replaced with a new structure in 2019. The southern-most structure was demolished in 2007 and was replaced with a large building (high and dry boat storage building) in 2019. Given the separation distance, and regulatory status, this site is assigned a risk rating of Low. This is consistent with the risk rating assigned Site 13 - Sweetwater Landing in PD&E CSER dated May 2012. However, although laboratory results were below "regulatory levels," it is not consistent with the initial Medium risk rating assigned for Site 16 – Marina 31 in 2012.

TABLE 1: CONTAMINATION SITE RISK RATINGS

Site Number/ EDM Number	Site Name & Address	Databases/ Facility ID/ Or Other Source	Distance from ROW	Contaminants of Concern	Risk Rating	Comments
20	DAVID C. BROWN FARMS HWY 31	TANKS 9401433	Adjacent east	Petroleum	No	<p>During the site reconnaissance, this site was observed as woods and overgrown pasture. A manmade inlet was located in the southern area. Although no structures or contamination concerns were noted, this site was mostly inaccessible due to overgrowth.</p> <p>This site was identified on the FDEP Map Direct database. A total of two files were found in the OCULUS database. No maps, sketches or coordinates were found on the documents. According to the FDEP inspection report dated January 29, 1996, this facility had eleven petroleum ASTs, and was located in Arcadia, over 30 miles north of this project (Appendix F). Therefore, it is not depicted in Appendix A. The location plotted on the FDEP Map Direct database appears to be in error. No discharges were reported.</p> <p>Given the separation distance of over 30 miles, this site is assigned a risk rating of No. This is consistent with the risk rating assigned (Site 15) in PD&E CSER dated May 2012.</p>
21	WILSON PIGOTT BRIDGE FDOT BRIDGE NO. 120064	Site reconnaissance, Aerial photographs	Within existing SR 31 ROW	Asbestos, Metals-Based Coatings	High	<p>During the site reconnaissance, this site was observed as a two-lane bridge.</p> <p>The Asbestos Containing Materials and Metals Based Coatings Assessment report dated May 2019 (FPID 440055-1-C2-32) states Asbestos Containing Materials were identified on the bottom layer of floor tile and mastic (Samples 19, 20 and 21) in the bridge tender house. Lead in the yellow paint on the catwalk below the bridge deck exceeds both the federal criteria for lead based coatings and the TCLP regulatory level (Appendix G).</p> <p>Therefore, this site is assigned a risk rating of High.</p>

TABLE 2: DRAINAGE SITES

Site Name & Address	Databases/ Facility ID/ Or Other Source	Contaminants of Concern	Risk Rating	Comments																																																								
<p align="center">POND 1-E 2600 Wildwood Lane (N ½) And Folio 10239222 (S ½)</p>	<p align="center">NA</p>	<p align="center">Petroleum, Herbicides, Pesticides</p>	<p align="center">Medium</p>	<p>During site reconnaissance, this site was observed as primarily woods, and overgrown fields. A haul road, an office trailer, a small (10' x 10') enclosed wooden shed were located in the east-central area. Mowing equipment, trailers, pots, tools, and two unlabeled poly-ASTs were noted at and near the shed. No stained soil or stressed vegetation was noted. The remainder of Pond 1-E, and the northwest drainage easement was inaccessible due to overgrowth.</p> <p>The southeast drainage easement includes an unpaved road (Wildwood Lane), a manmade ditch, woods, and low, wet areas. Additionally, the southern portion of Site 17 – Johns Farm comprises a portion of this easement. Items noted within or near the easement include storage boxes, several vehicles, trailers, wood, metal and two ASTs (one 2,000-gallon poly-AST, and one 250-gallons). See photographs in Appendix E.</p> <p>AERIAL PHOTOGRAPH REVIEW:</p> <table border="1" data-bbox="1081 687 2915 1419"> <thead> <tr> <th>Year</th> <th>Pond 1-E</th> <th>Northwest Drainage Easement</th> <th>Southeast Drainage Easement</th> </tr> </thead> <tbody> <tr> <td>1944</td> <td>Low, wet areas, manmade canal, woods in the southeast area, one trail in south-central area</td> <td>Low, wet areas, two streams</td> <td>Woods and rangeland</td> </tr> <tr> <td>1953</td> <td>More manmade canals depicted in the southern areas</td> <td>No changes noted</td> <td>No changes noted</td> </tr> <tr> <td>1958</td> <td>No changes noted</td> <td>No changes noted</td> <td>No changes noted</td> </tr> <tr> <td>1968</td> <td>Low, wet areas appear drained (likely due to manmade ditch added in surrounding areas)</td> <td>Low, wet areas appear drained</td> <td>Manmade canal near northwest corner, trails in east area</td> </tr> <tr> <td>1979</td> <td>Woods, manmade canals possibly filled</td> <td>Woods, manmade ditch</td> <td>Wildwood Lane in west area, trail/driveway in east area</td> </tr> <tr> <td>1994</td> <td>No changes noted</td> <td>No changes noted</td> <td>No changes noted</td> </tr> <tr> <td>2007</td> <td>Clearing in the north and east areas</td> <td>Easement (clearing) added</td> <td>Several pieces of equipment</td> </tr> <tr> <td>2012</td> <td>No changes noted</td> <td>No changes noted</td> <td>More equipment</td> </tr> <tr> <td>2017</td> <td>One structure and fill in east area</td> <td></td> <td>No changes noted</td> </tr> <tr> <td>2019</td> <td>One structure and equipment depicted north of original structure. More clearing in east area and trail in northwest area</td> <td>No changes noted</td> <td>Manmade pond</td> </tr> <tr> <td>2020</td> <td>Mostly cleared with brush piles</td> <td>No changes noted</td> <td>No changes noted</td> </tr> <tr> <td>2021</td> <td>Overgrown and trails</td> <td>No changes noted</td> <td>No changes noted</td> </tr> <tr> <td>2022</td> <td>More overgrown, and appears inundated (likely due to Hurricane Ian)</td> <td>No changes noted</td> <td>Appears inundated (Hurricane Ian)</td> </tr> </tbody> </table> <p>Offsite south: one structure and equipment was first depicted in 1994. Offsite west: tree farm was first depicted in 1999. Offsite north: Two barns were added in 2007 and 2012.</p> <p>TOPOGRAPHIC MAP REVIEW:</p> <p>The 1958 topographic map depicts Pond 1-E and the northwest drainage easement as submerged swamp or marsh. The southeast drainage easement is woods. A stream is also depicted intersecting the northwest drainage easement. Slope is to the northwest, towards the Caloosahatchee River.</p> <p>The 1972 topographic map depicts Pond 1-E and the northwest drainage easement as cleared land or pasture. The southeast drainage easement is woods. A manmade ditch is depicted intersecting the southeast drainage easement.</p> <p>The 1987 topographic map depicts Pond 1-E, and the northwest and southeast drainage easements as woods. The northwest drainage easement also includes an area of cleared land or pasture.</p>	Year	Pond 1-E	Northwest Drainage Easement	Southeast Drainage Easement	1944	Low, wet areas, manmade canal, woods in the southeast area, one trail in south-central area	Low, wet areas, two streams	Woods and rangeland	1953	More manmade canals depicted in the southern areas	No changes noted	No changes noted	1958	No changes noted	No changes noted	No changes noted	1968	Low, wet areas appear drained (likely due to manmade ditch added in surrounding areas)	Low, wet areas appear drained	Manmade canal near northwest corner, trails in east area	1979	Woods, manmade canals possibly filled	Woods, manmade ditch	Wildwood Lane in west area, trail/driveway in east area	1994	No changes noted	No changes noted	No changes noted	2007	Clearing in the north and east areas	Easement (clearing) added	Several pieces of equipment	2012	No changes noted	No changes noted	More equipment	2017	One structure and fill in east area		No changes noted	2019	One structure and equipment depicted north of original structure. More clearing in east area and trail in northwest area	No changes noted	Manmade pond	2020	Mostly cleared with brush piles	No changes noted	No changes noted	2021	Overgrown and trails	No changes noted	No changes noted	2022	More overgrown, and appears inundated (likely due to Hurricane Ian)	No changes noted	Appears inundated (Hurricane Ian)
				Year	Pond 1-E	Northwest Drainage Easement	Southeast Drainage Easement																																																					
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TABLE 2: DRAINAGE SITES

Site Name & Address	Databases/ Facility ID/ Or Other Source	Contaminants of Concern	Risk Rating	Comments
				<p>No changes were noted on the 1991 topographic map.</p> <p>REGULATORY REVIEW:</p> <p>A separate EDM report was obtained for Pond 1-E. No regulatory files were found onsite. Offsite, one regulatory file was found:</p> <p>EDM 1 – SLDWST_LF 99249 - TIRE SERVICES OF FLORIDA, located at 11480 Palm Beach Boulevard is over 1,800 feet southwest of the pond site. During the site reconnaissance, this site was observed as Newell Lawn Care and Property Maintenance. EDM’s report states a complaint was filed for “unauthorized disposal/processing.” A complaint in 2001 states 3,000 tires were stored at this location which is in violation of the permitted quantity of 1,500 tires. No evidence of buried debris or landfill activity was noted in the files reviewed. The FDEP Inspection Checklist dated July 21, 2011 states less than 1,000 tires were observed during the inspection, and an administrative violation (no records of tire disposal tonnage was available for three years) was noted. Aerial photographs first depict this site in 1975. Based on a review of aerial photographs, no landfill was apparent. This site is not a contamination concern to Pond 1-E.</p> <p>RISK RATING: Given the unknown nature of fill materials, the presence of several ASTs with unknown contents (eastern area, and southeast easement), and possible use as farmland, Pond 1-E is assigned a risk rating of Medium.</p>

9.0 Conclusions and Recommendations

9.1 Conclusions

Based on this contamination screening evaluation, a total of 21 contamination sites were identified within the project limits. The following table presents a summary of the risk ratings for the project:

Table 2: Summary of Risk Ratings – Mainline			
High	Medium	Low	No
2	4	12	3

Additionally, one drainage site was identified within the study area and assigned a Medium risk rating for the project.

9.2 Recommendations

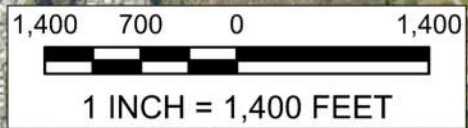
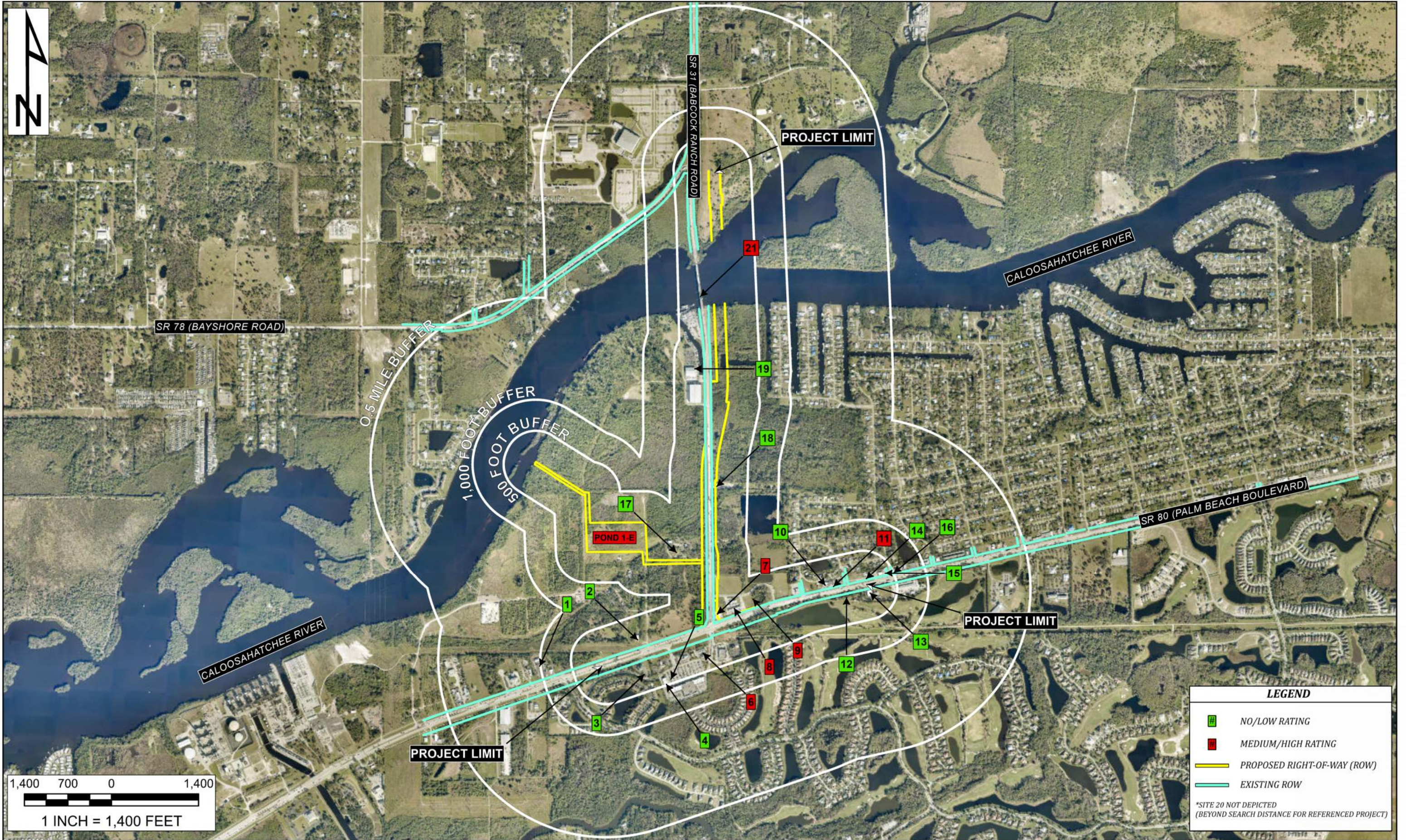
Based on the conclusions of this study and the risk ratings noted above, the following recommendations are made.

- Additional information may become available or site-specific conditions may change from the time this report was prepared and should be considered prior to acquiring right-of-way and/or proceeding with roadway construction. If the preferred alignment changes or preferred pond site(s) are selected, and/or new potential contamination sites have been constructed, this report should be revised and updated to reflect those changes.
- For the locations rated No or Low for contamination, no further action is required. These locations have been determined not to have any contamination risk to the study area at this time.
- A total of six contamination sites were rated High or Medium. Although Sites 9 and 21 were rated High and Medium, no testing is recommended. For Site 9 – Accident SR 31 & Palm Beach Boulevard (Medium rating), additional file review is recommended to determine if testing is warranted in consideration of NPDES permitting. No further testing is recommended for Site 21 – Wilson Pigott Bridge, FDOT No. 120064 (High rating) since an asbestos survey and screening for Metals-Based Coatings was already performed. Further evaluation and Level II testing, if deemed appropriate by the District Contamination Impact Coordinator, is recommended for the following four sites:
 - Site 6 – 7-Eleven (Medium rating),
 - Site 7 – Former Gas Station (High rating),
 - Site 8 – RaceTrac (Medium rating), and
 - Site 11 – Former Circle K #2707335/Redbone Spirits (Medium rating).
- Soil and groundwater analytical testing for these four sites may include Total Recoverable Petroleum Hydrocarbons (TRPH) by the Florida PRO Method, Benzene, Toluene,

Ethylbenzene, Xylenes/Methyl tertiary-butyl ether (BTEX/MTBE) by United States Environmental Protection Agency (EPA) Method 8260, and Polyaromatic Hydrocarbons (PAHs) by EPA Method 8270. Detections above the regulatory standard may require additional samples for delineation purposes. An Organic Vapor Analyzer can be utilized for field screening purposes. For Site 7, Ground Penetrating Radar (GPR) may be used to identify USTs. Level II testing costs are estimated at \$5,000 to \$10,000 per site.

- Pond 1-E: Soil and groundwater analytical testing may include TRPH by the Florida PRO Method, BTEX/MTBE by EPA Method 8260, and PAHs by EPA Method 8270. Detections above the regulatory standard may require additional samples for delineation purposes. An Organic Vapor Analyzer can be utilized for field screening purposes. Soil borings or test pits may be used to evaluate the nature of buried debris. Level II testing costs are estimated at \$5,000 to \$10,000.
- Once final design plans are available, additional review is recommended in consideration of dewatering operations that may be necessary under the *National Pollutant Discharge Elimination System Generic Permit for Stormwater Discharges from Large and Small Construction Activities*. Verification testing may be warranted for contamination issues within 500 feet of the dewatering area. If Level III support is needed for National Pollution Discharge Elimination System permitting and treatment, costs can reach up to \$100,000 per site.
- During construction, for areas of contamination not identified in this report, if abnormal conditions are encountered or exposed indicating the presence of contaminated materials, cease operations immediately and notify the Engineer, and the County's designated representative. The presence of tanks or barrels; discolored earth, metal, wood, ground water, etc.; visible fumes; abnormal odors; excessively hot earth; smoke; or other conditions that appear abnormal may indicate the presence of contaminated materials and must be treated with extreme caution. These unidentified contamination areas should be managed in accordance with FDOT Specification 120-1.2 Unidentified Areas of Contamination.

APPENDIX A
POTENTIAL CONTAMINATION SITES
AND
DRAINAGE ALTERNATIVES MAP



	OWNER: FDOT-DISTRICT 1			PROJECT DEVELOPMENT AND ENVIRONMENT STUDY SR 31 (BABCOCK RANCH ROAD) FROM SR 80 (PALM BEACH BOULEVARD) TO SR 78 (BAYSHORE ROAD)	POTENTIAL CONTAMINATION SITES AND DRAINAGE ALTERNATIVES MAP	SHEET NO.
	COUNTY	TIERRA PROJECT NO.	FINANCIAL PROJECT ID			1
	LEE	6511-18-173E	441942-1-22-01			

APPENDIX B HISTORICAL AERIAL PHOTOGRAPHS

Historical Aerial Photograph Report

Subject Property:

SR 31
Lee County, Florida

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

March 30, 2023



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
<http://www.edm-net.com>

March 30, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Aerial Photos-- EDM Project #: 26489**
Client Project #: 6511-18-173E

Dear Mr. Garth:

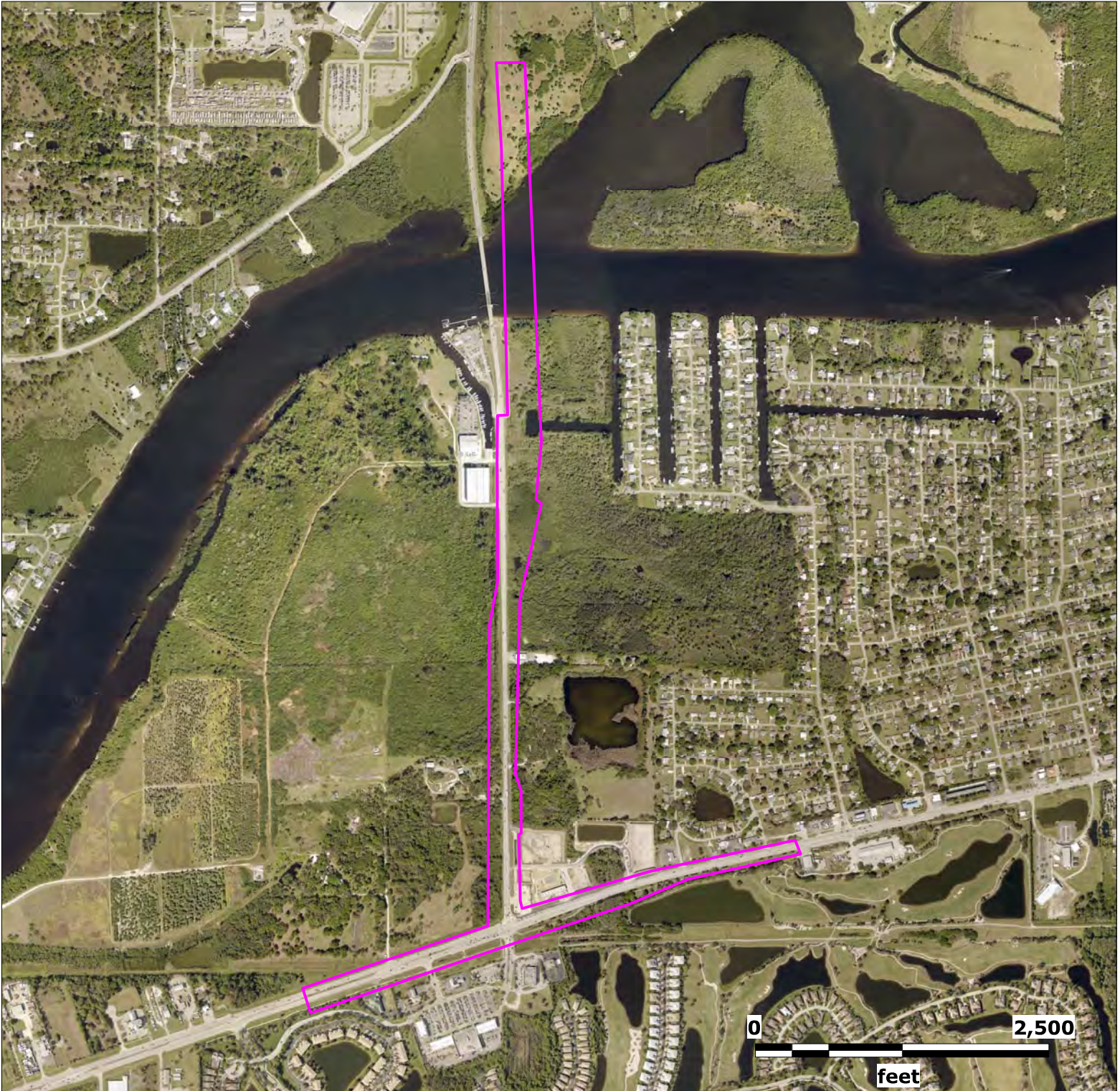
Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Aerial Photographic images for the following location:

SR 31
Lee County, Florida

These images were selected to provide you with an aerial photographic record of this location at approximate ten year intervals and/or one photograph per decade, where available.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

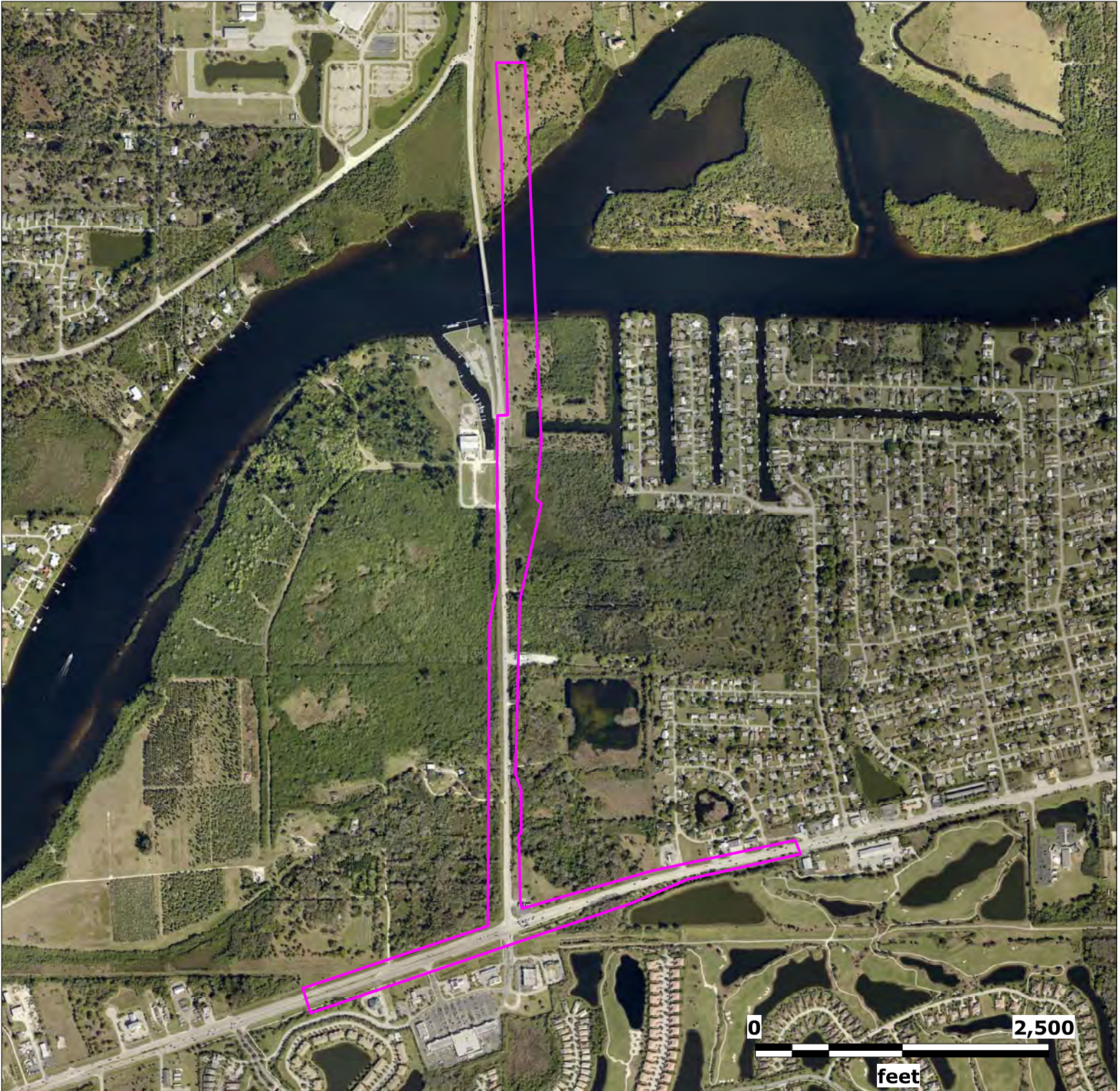
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation


Map Scale and Property Boundaries are Approximate

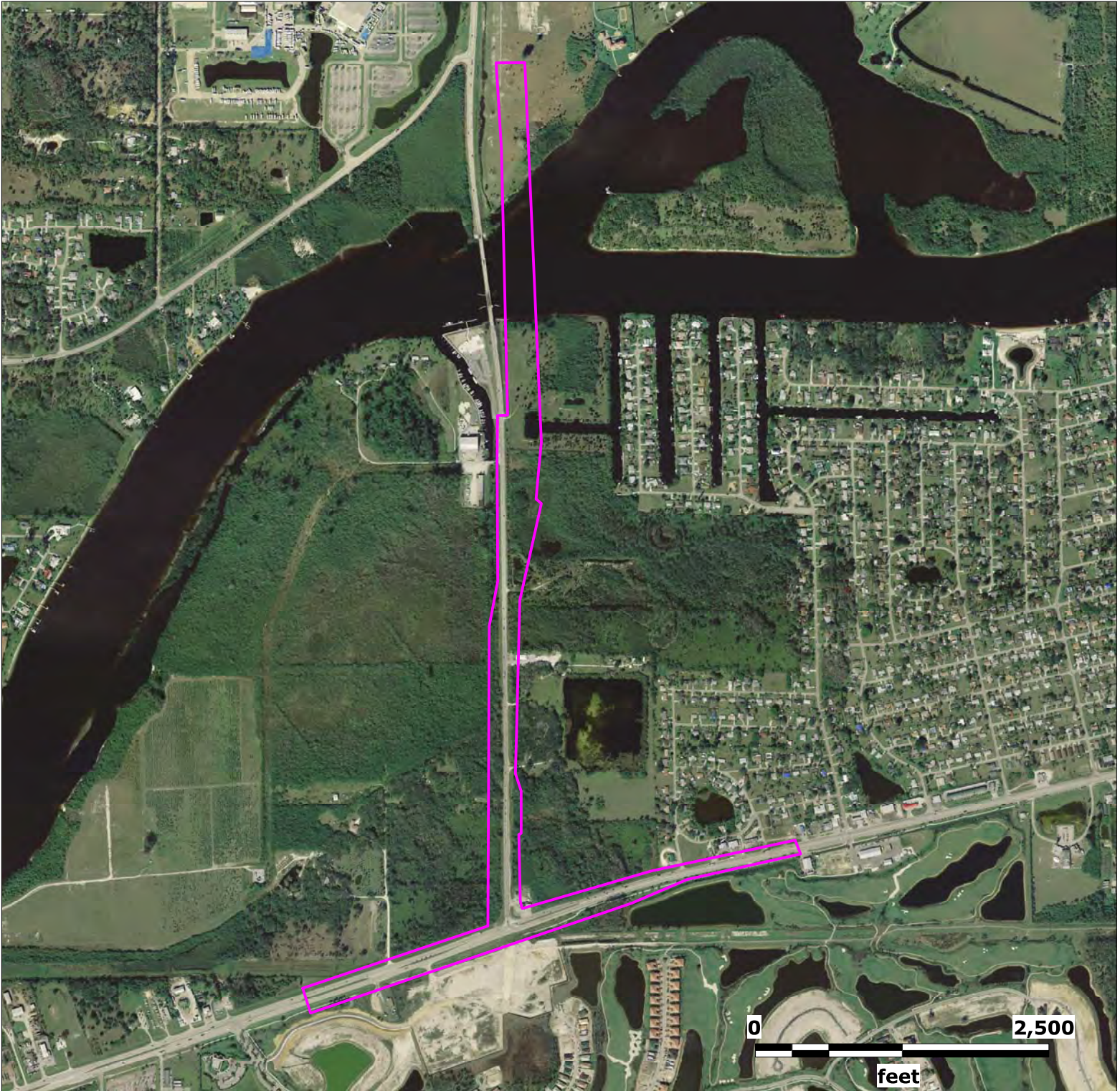
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

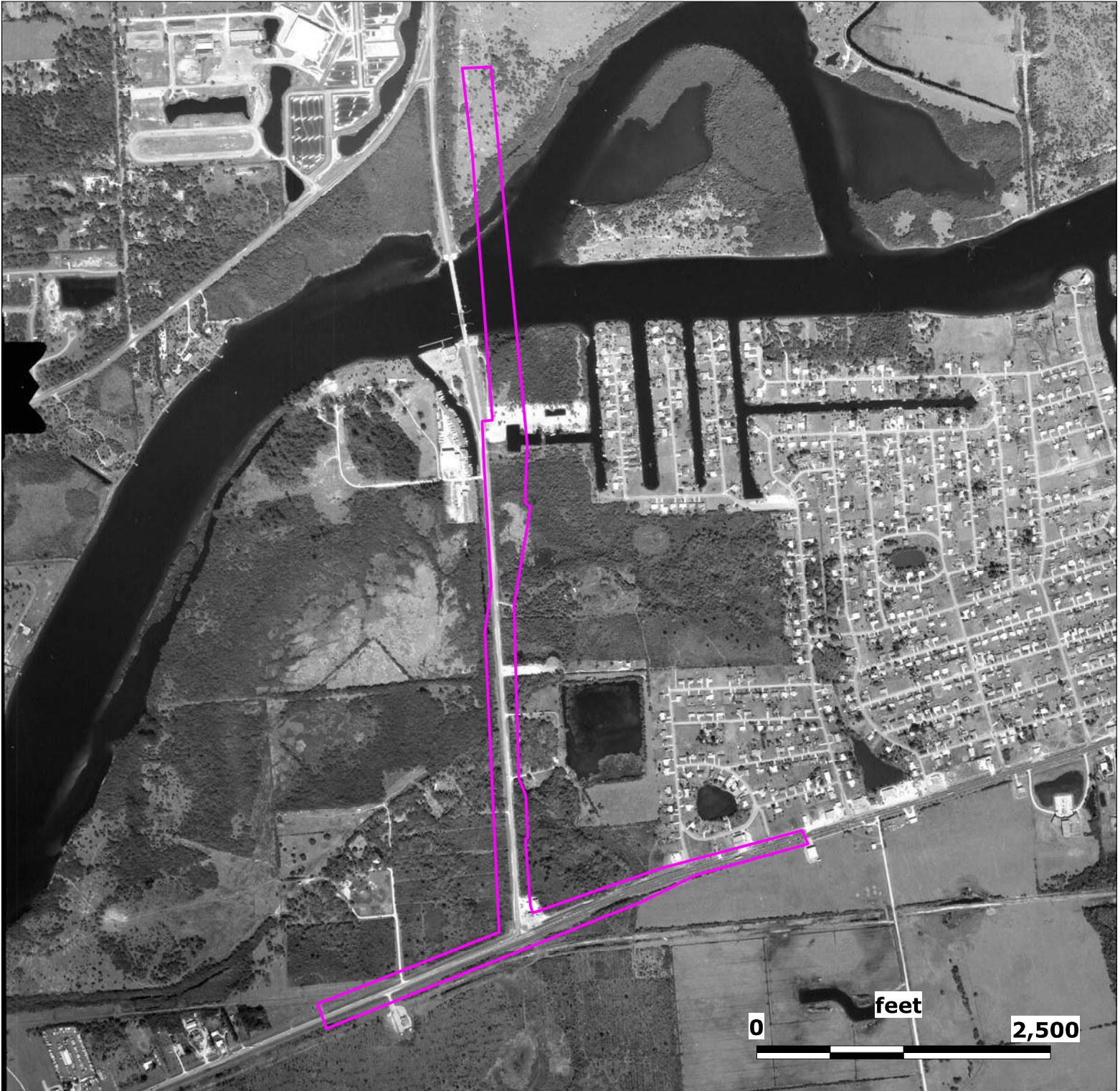
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: Florida Department of Transportation


Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: University of Florida

Map Scale and Property Boundaries are Approximate

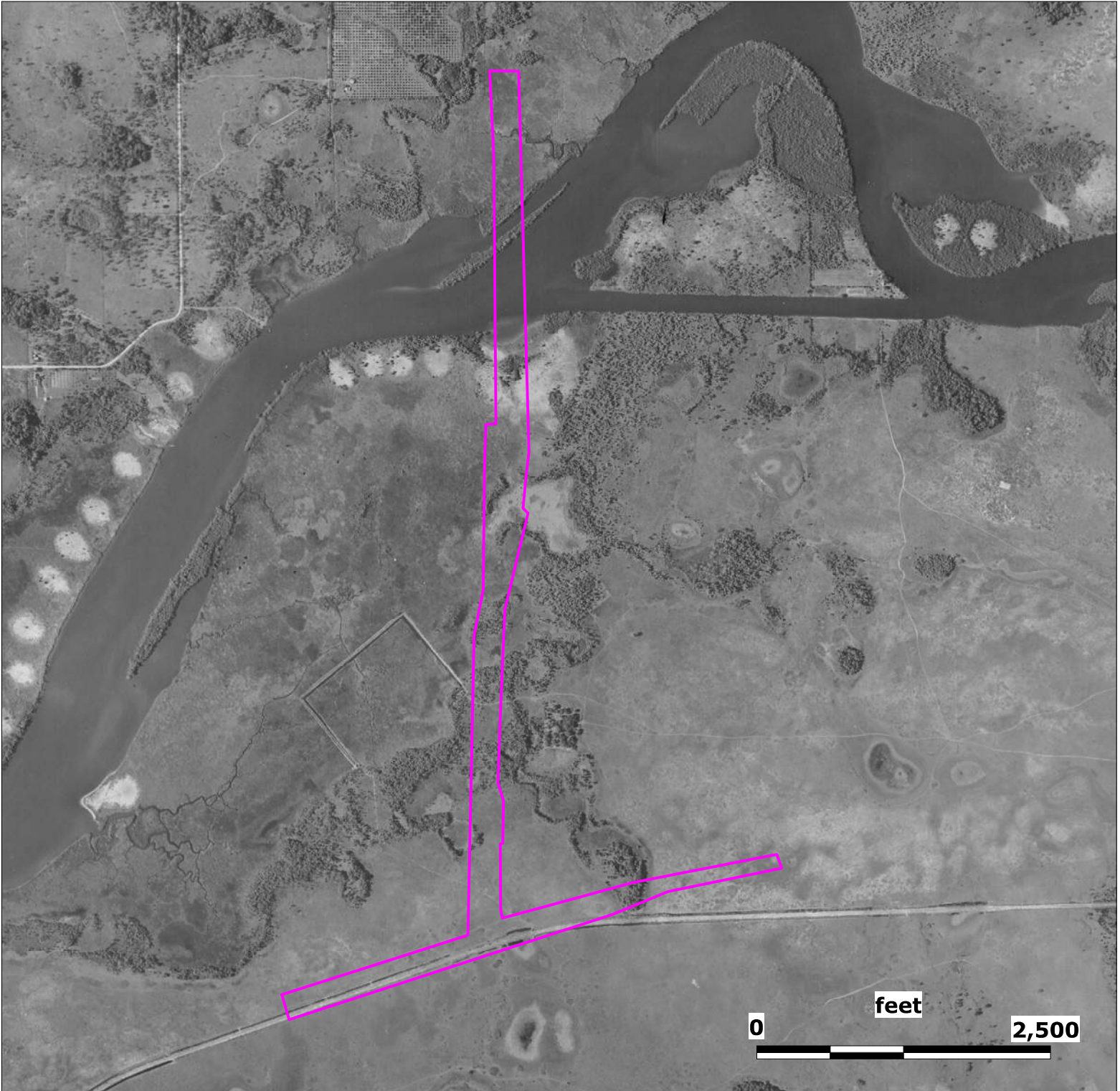
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location



Source: University of Florida


Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location

Historical Aerial Photograph Report

Subject Property:

SR 31
Lee County, Florida

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

March 22, 2023



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
<http://www.edm-net.com>

March 22, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Aerial Photos-- EDM Project #: 26474**
Client Project #: 6511-18-173E

Dear Mr. Garth:

Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Aerial Photographic images for the following location:

SR 31
Lee County, Florida

These images were selected to provide you with an aerial photographic record of this location at approximate ten year intervals and/or one photograph per decade, where available.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.


ENVIRONMENTAL DATA MANAGEMENT, INC.



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

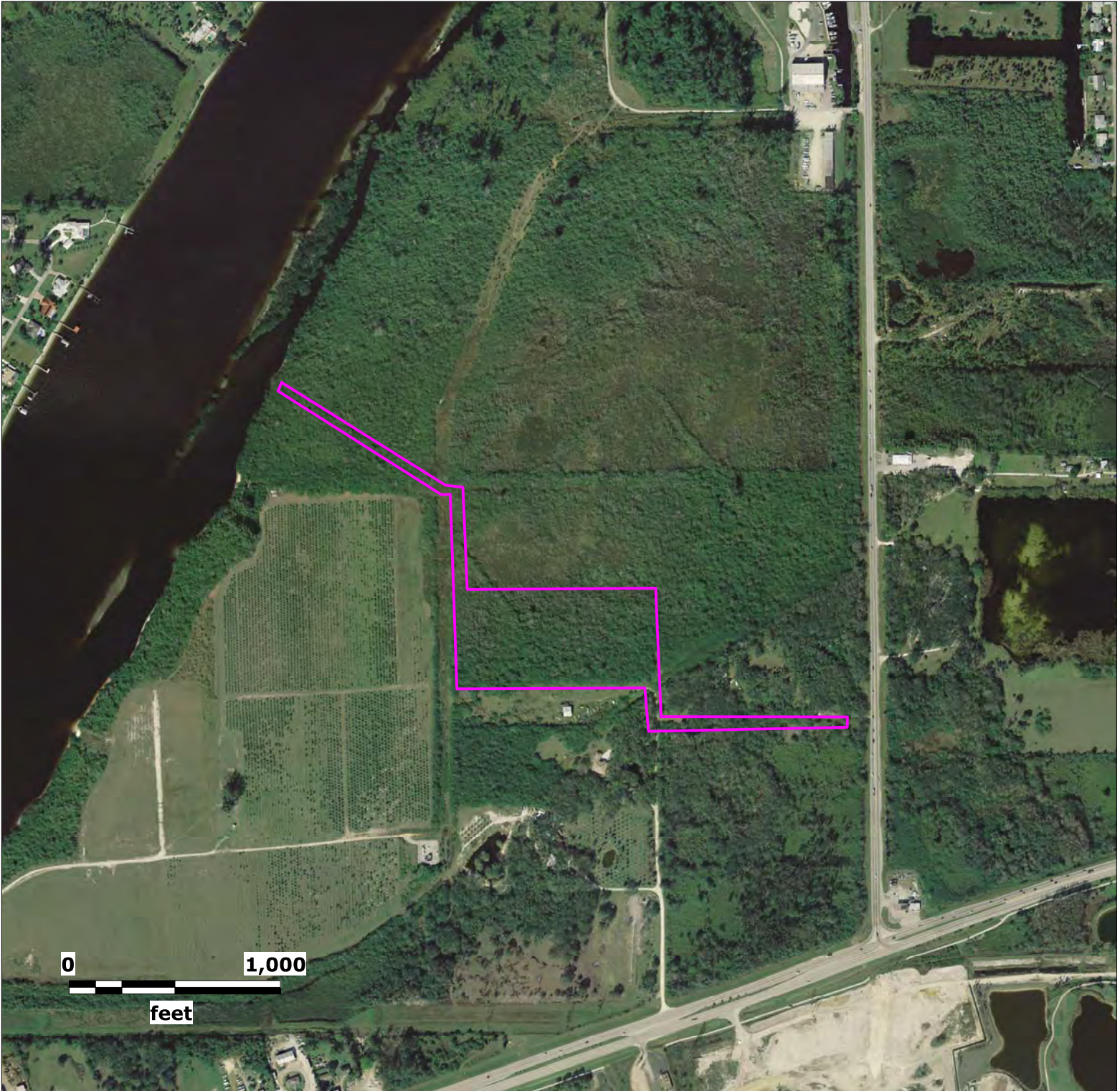
Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

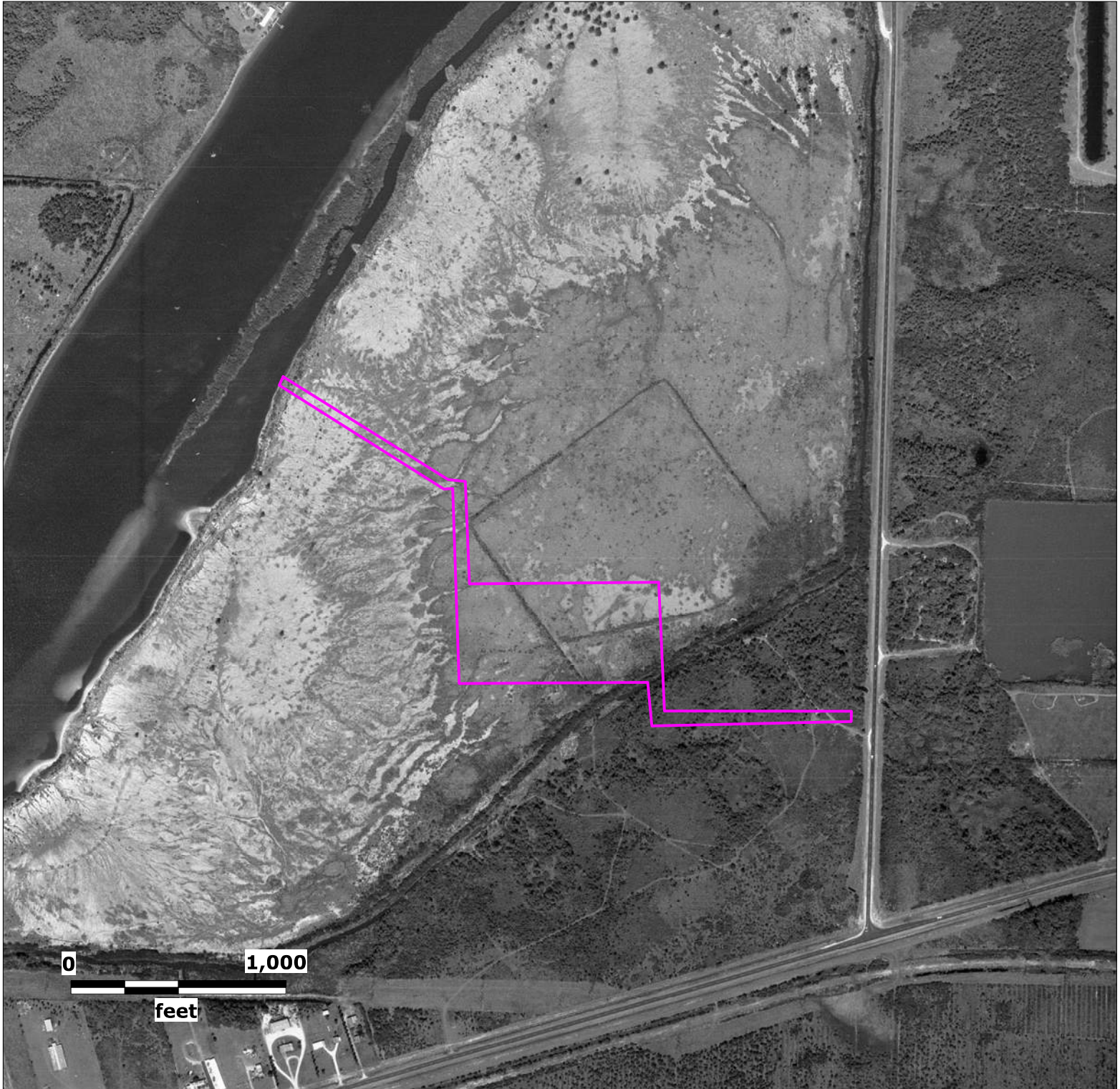
Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023


 Approximate Site Location



Source: University of Florida

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: University of Florida

Map Scale and Property Boundaries are Approximate

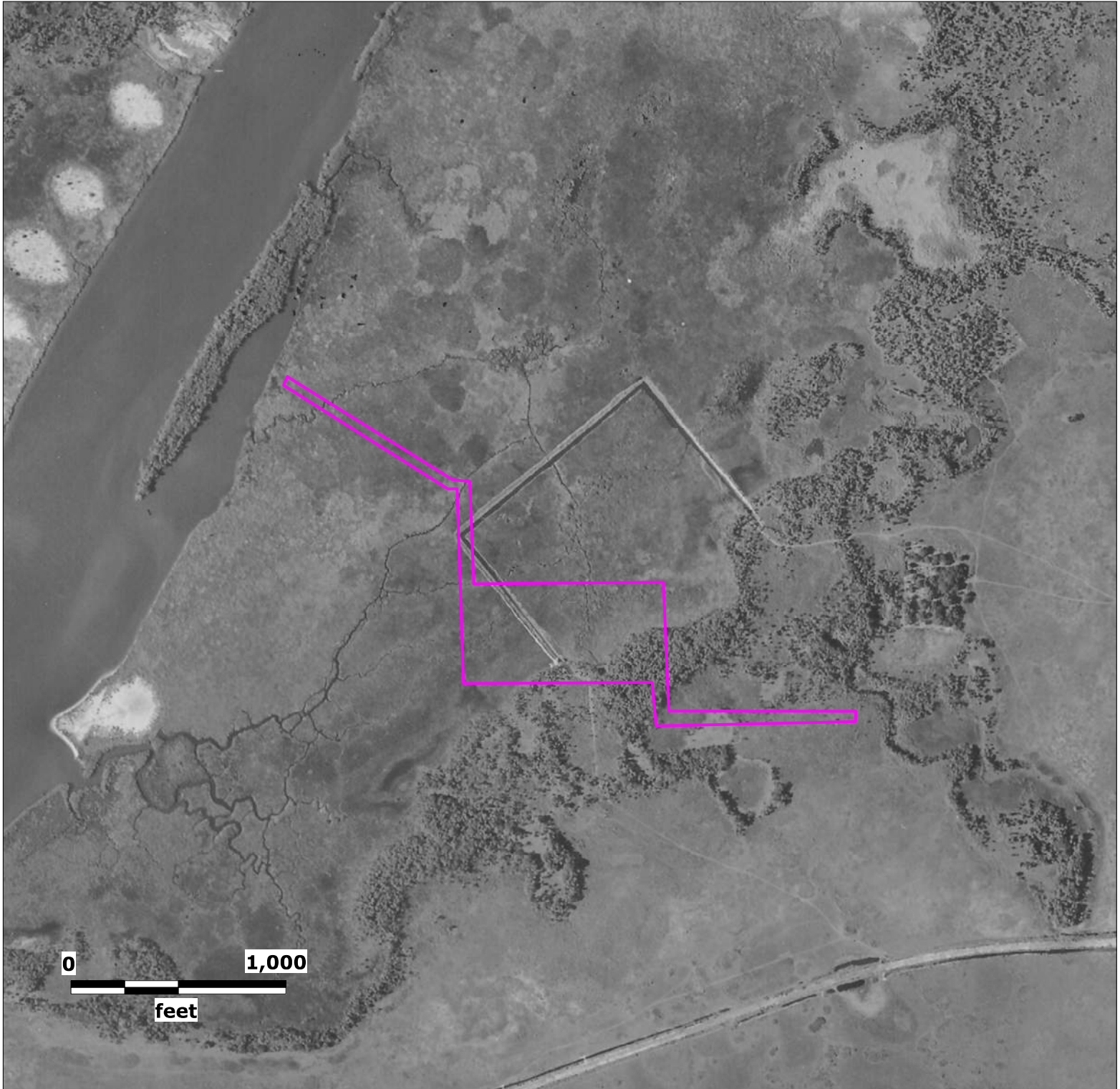
Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023



Source: University of Florida


Map Scale and Property Boundaries are Approximate

Subject Property

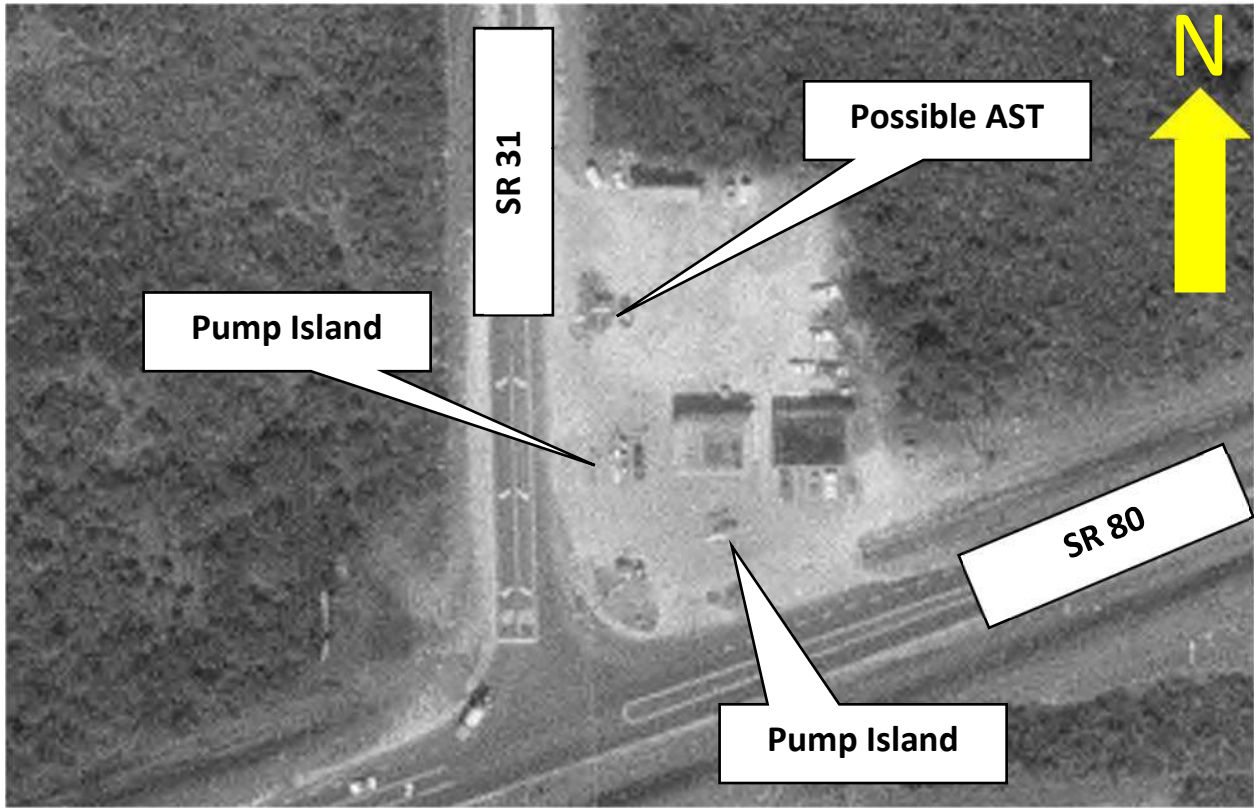
SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023

 Approximate Site Location

**SITE 7 – FORMER GAS STATION
1979 AERIAL PHOTOGRAPH**



APPENDIX C USGS TOPOGRAPHIC MAP

Historical Topographic Map Report

Subject Property:

SR 31
Lee County, Florida
Fort Myers and Olga Quadrangles

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

March 30, 2023



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
<http://www.edm-net.com>

March 30, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Topographic Maps-- EDM Project #: 26489**
Client Project #: 6511-18-173E

Dear Mr. Garth:

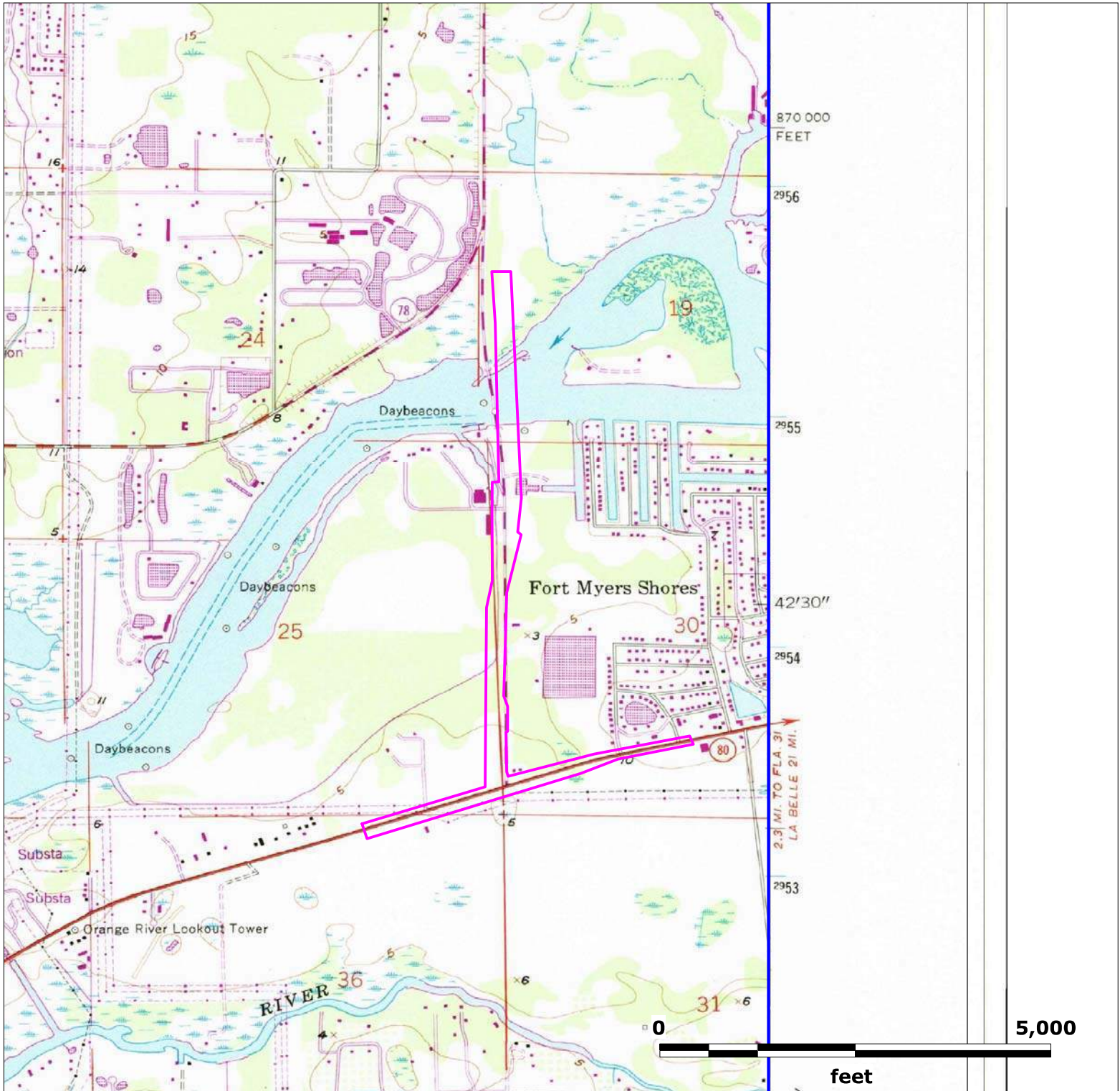
Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Topographic Maps for the following location:

SR 31
Lee County, Florida
Fort Myers and Olga Quadrangles

These maps were obtained from the digital map collections of the US Geological Survey. Only 7.5 Minute Series maps were selected for this report.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

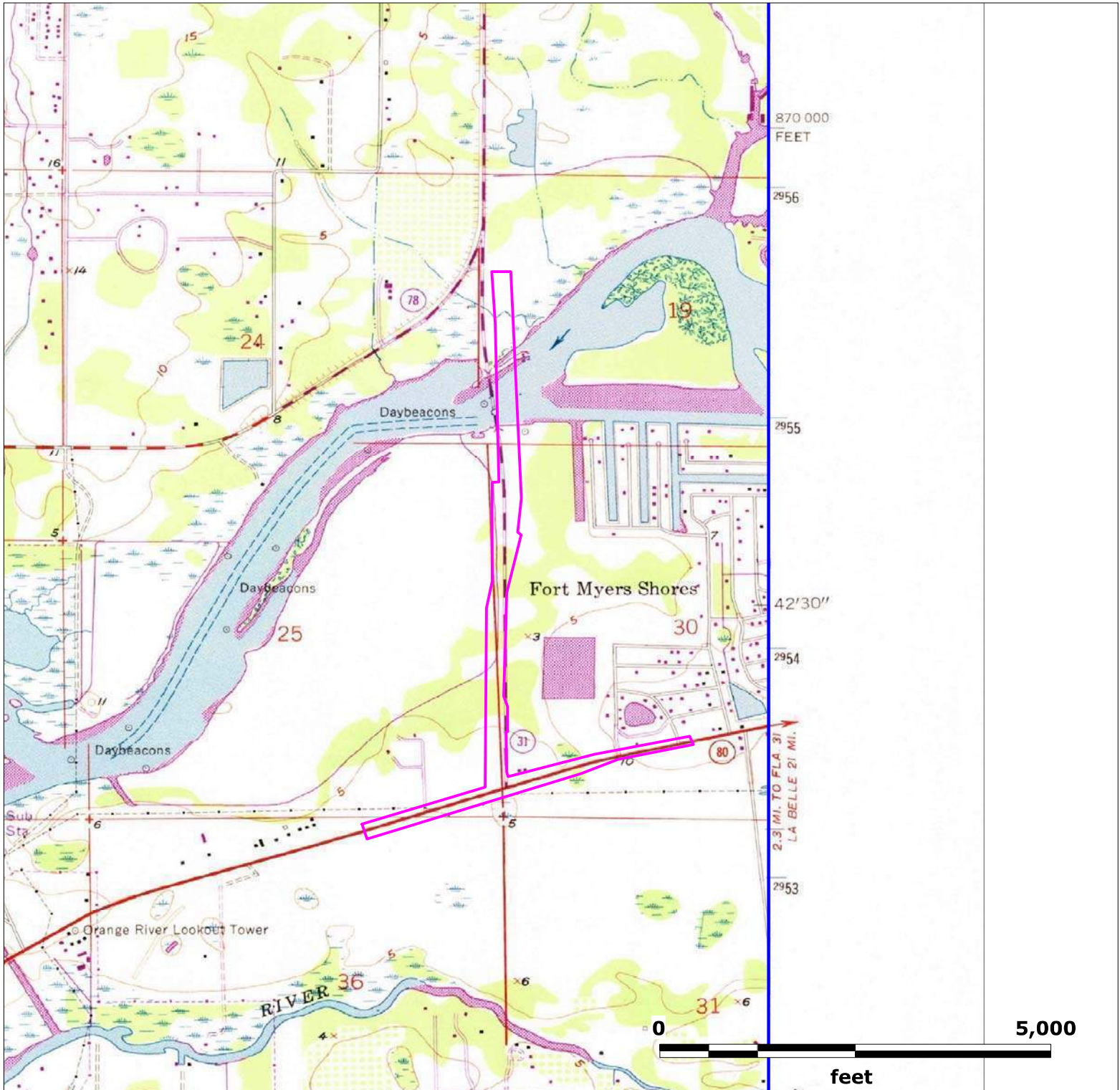
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

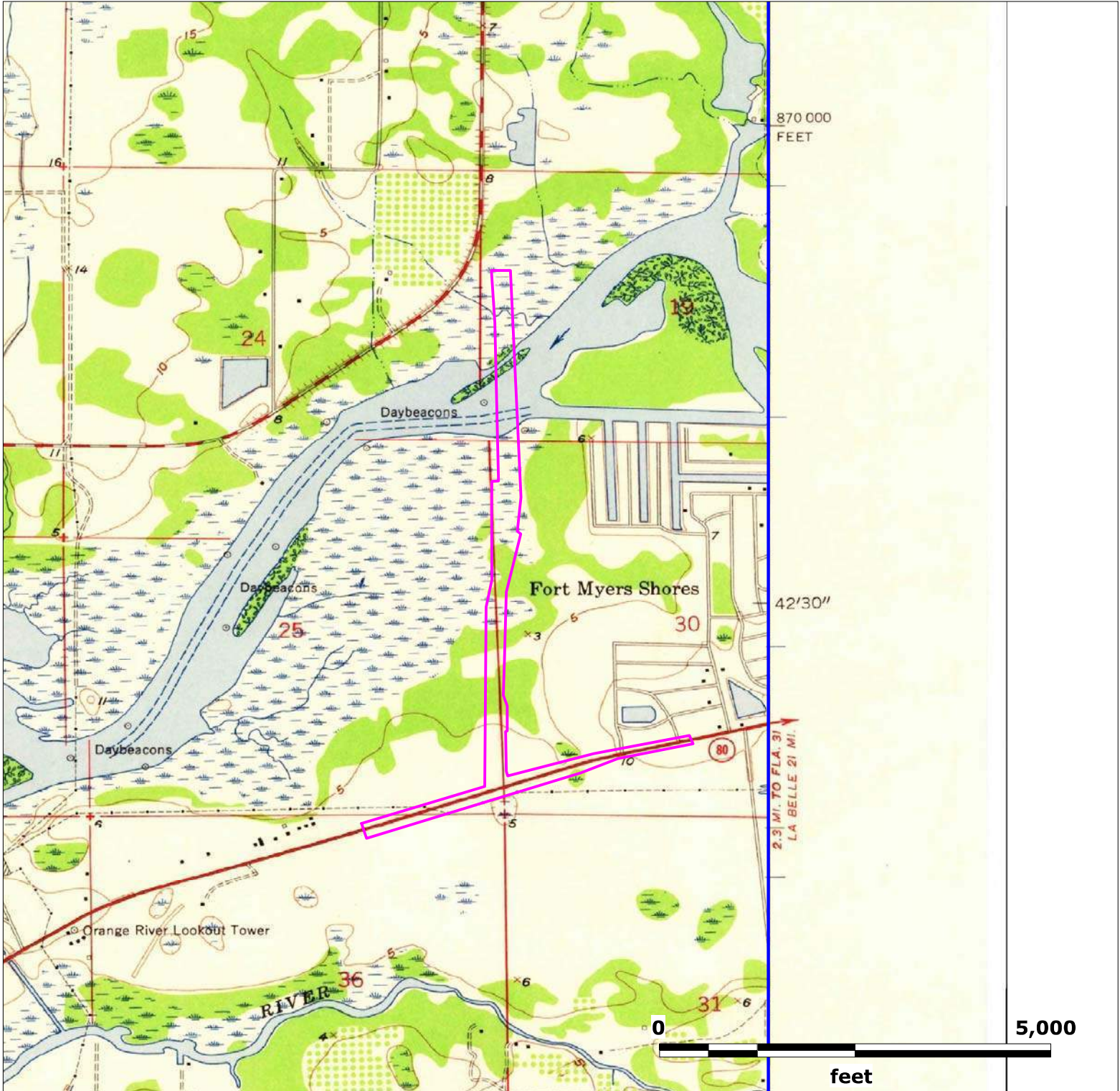
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

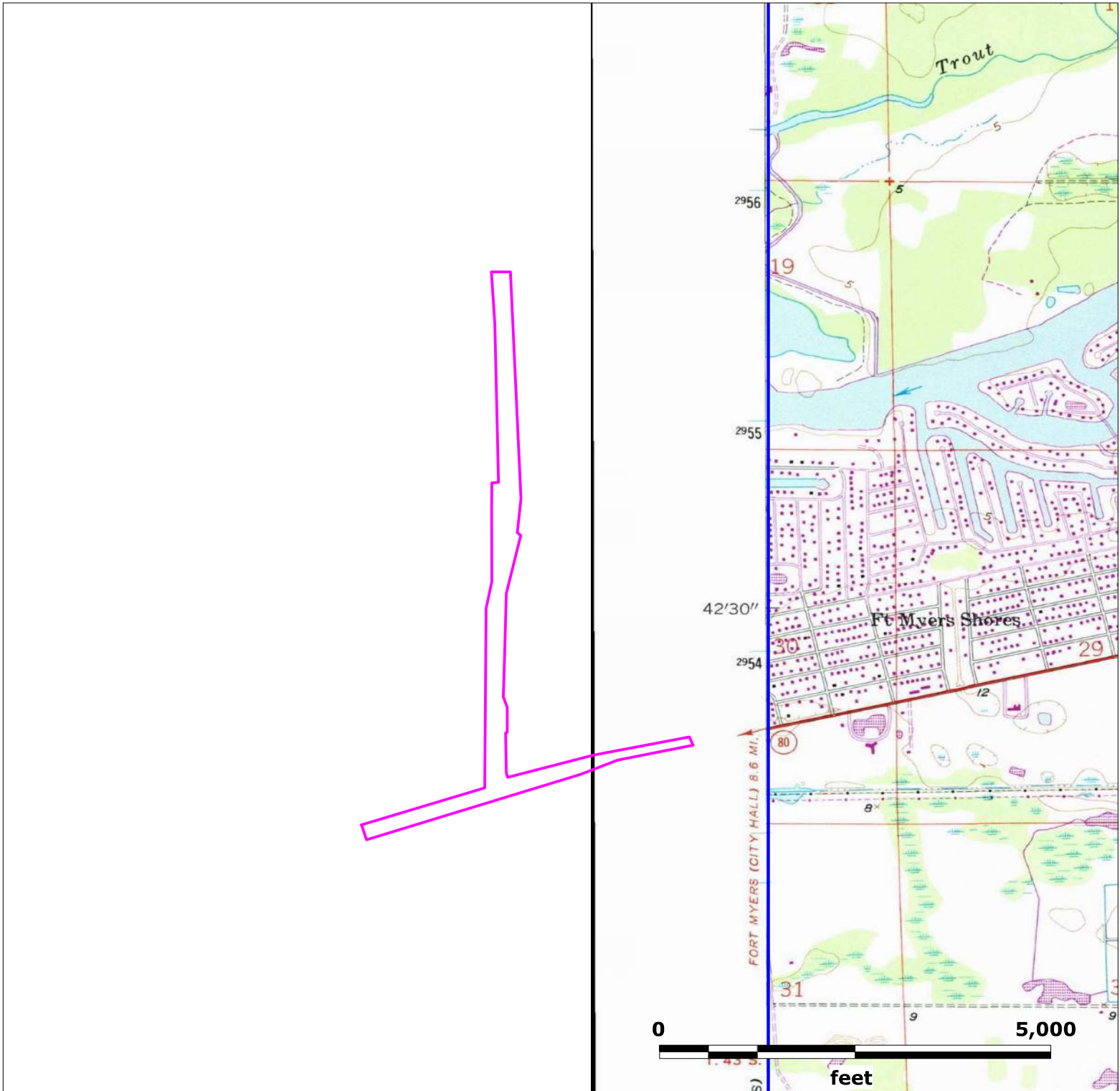
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

Approximate Site Location



Source: USGS Historical Topographic Map Collection


Map Scale and Property Boundaries are Approximate

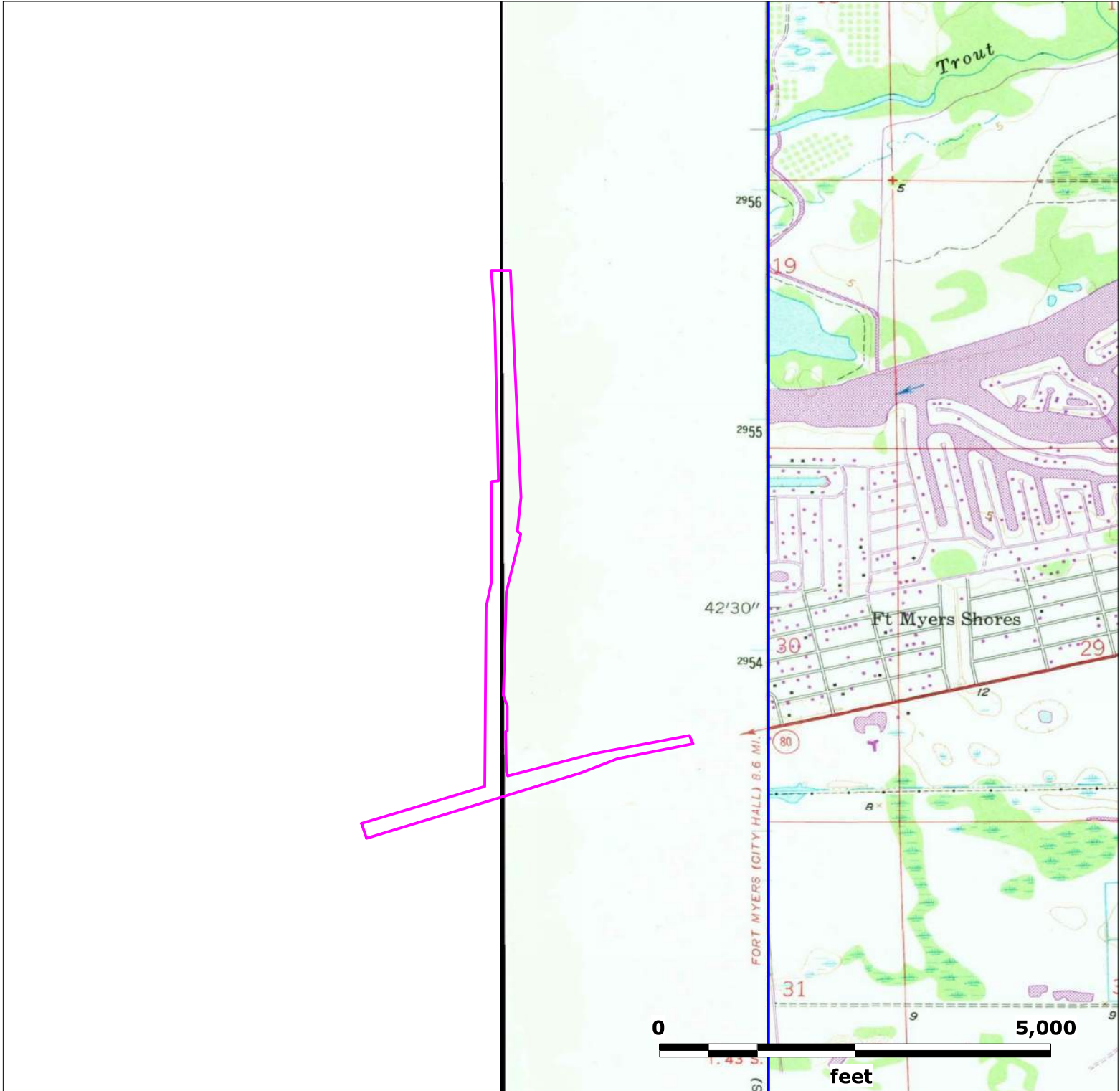
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023


 Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Location

Historical Topographic Map Report

Subject Property:

SR 31
Lee County, Florida
Fort Myers Quadrangle

Prepared For:

Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770

March 22, 2023



Environmental Data Management, Inc.
2840 West Bay Drive, Suite 208
Belleair Bluffs, Florida 33770
(727) 586-1700
<http://www.edm-net.com>

March 22, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Historical Topographic Maps-- EDM Project #: 26474**
Client Project #: 6511-18-173E

Dear Mr. Garth:

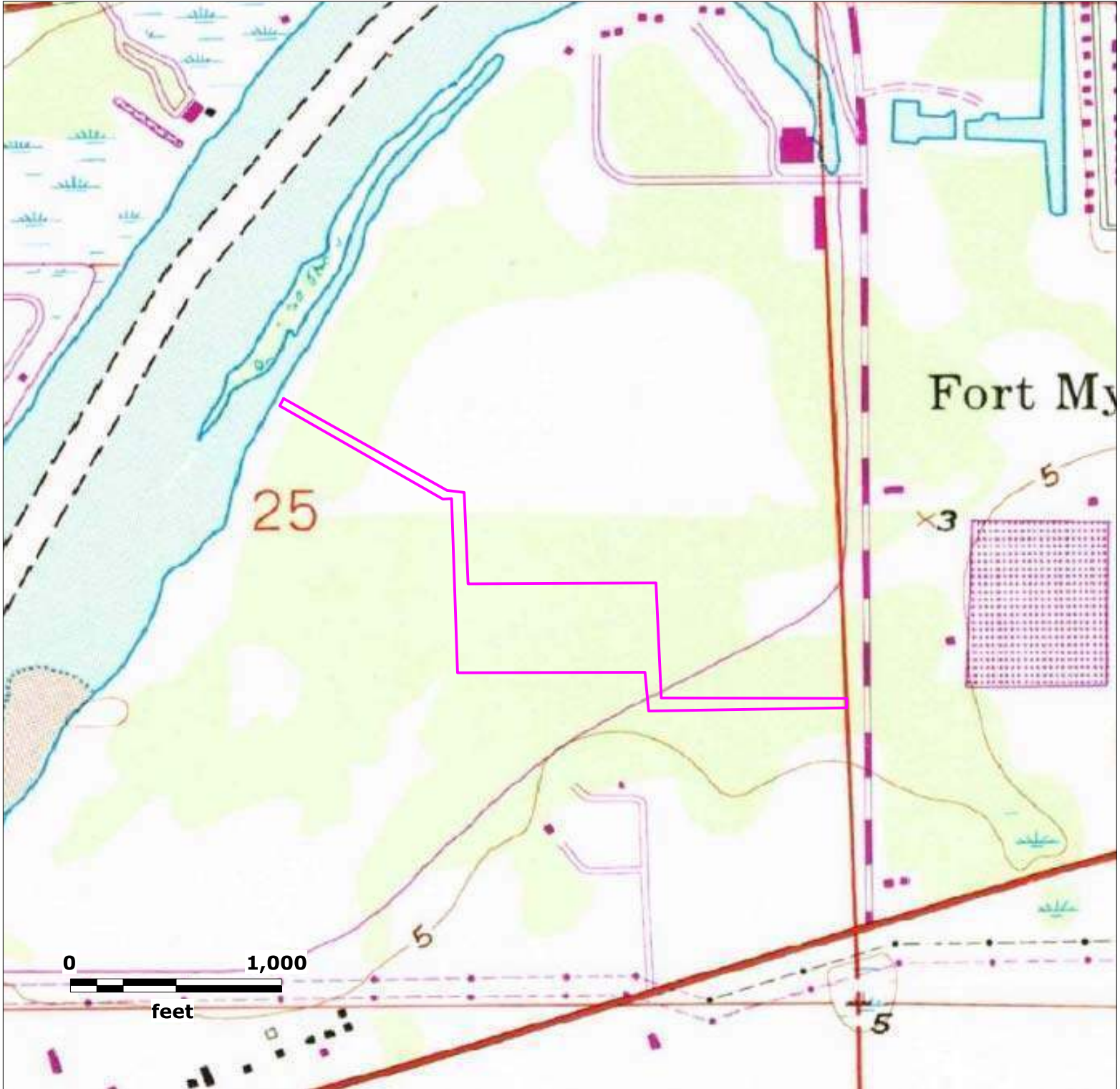
Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Topographic Maps for the following location:

SR 31
Lee County, Florida
Fort Myers Quadrangle

These maps were obtained from the digital map collections of the US Geological Survey. Only 7.5 Minute Series maps were selected for this report.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.



Source: USGS Historical Topographic Map Collection


Map Scale and Property Boundaries are Approximate

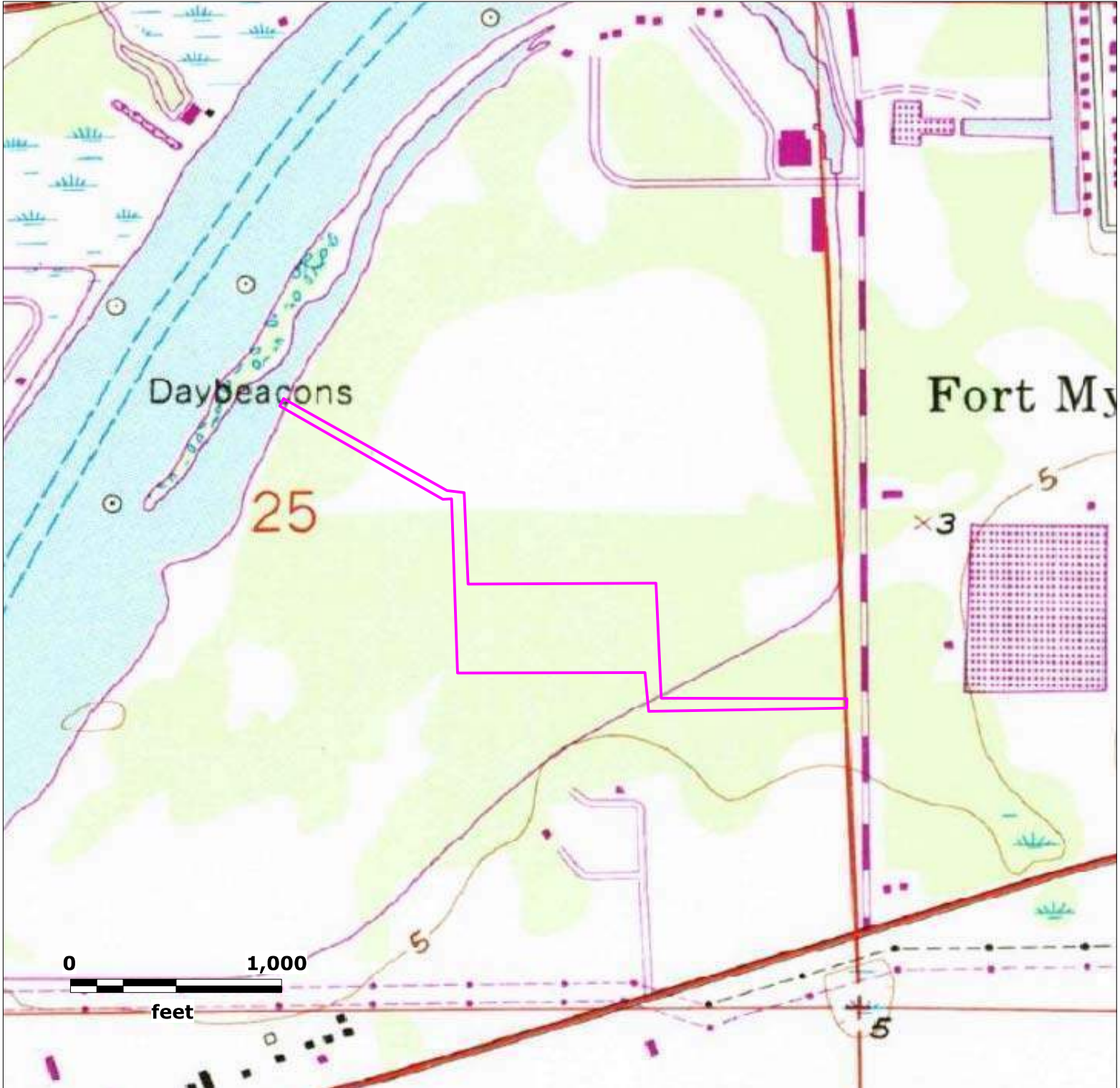
Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023


 Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

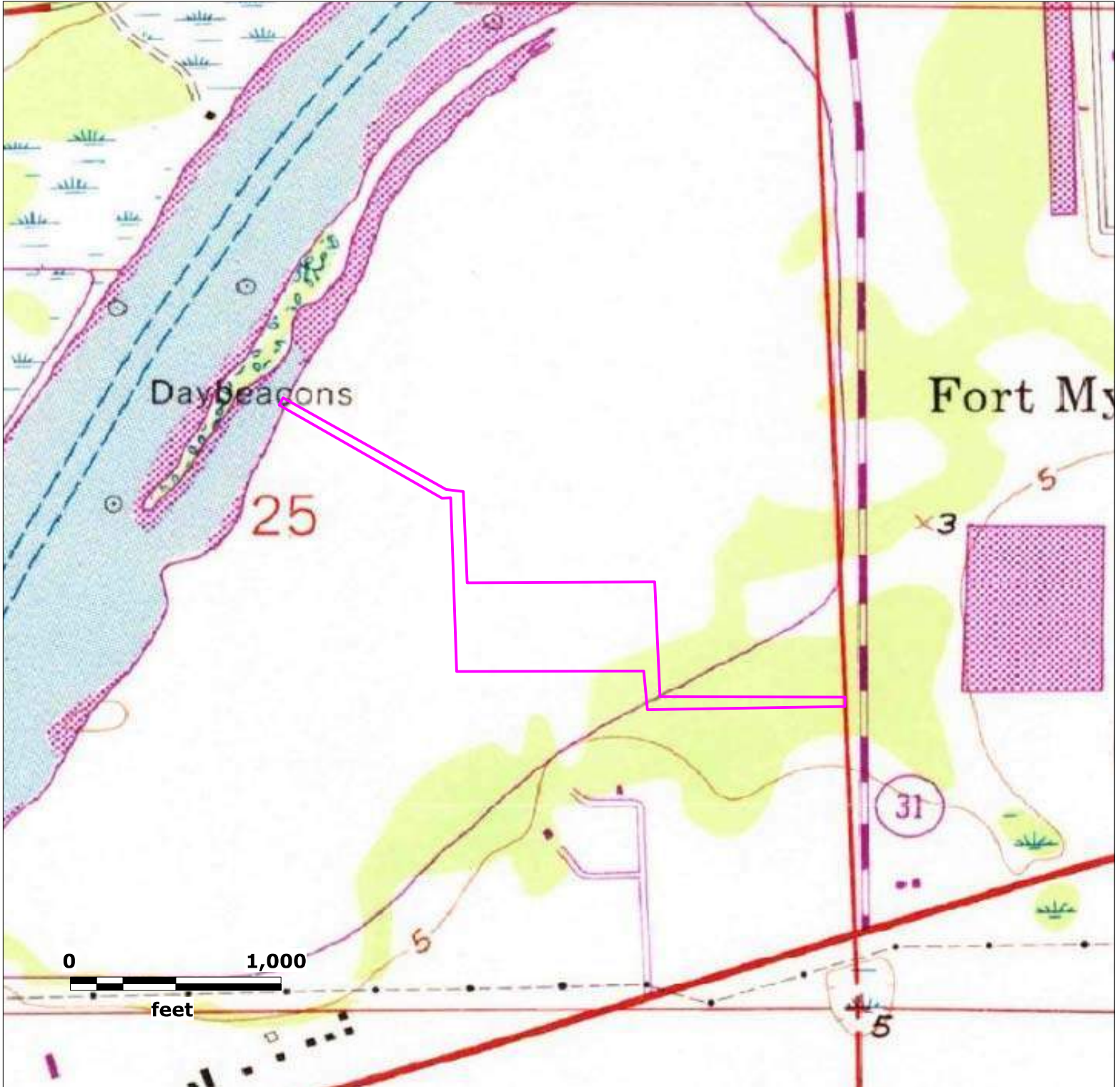
Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"


EDM Job No: 26474
March 22, 2023



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

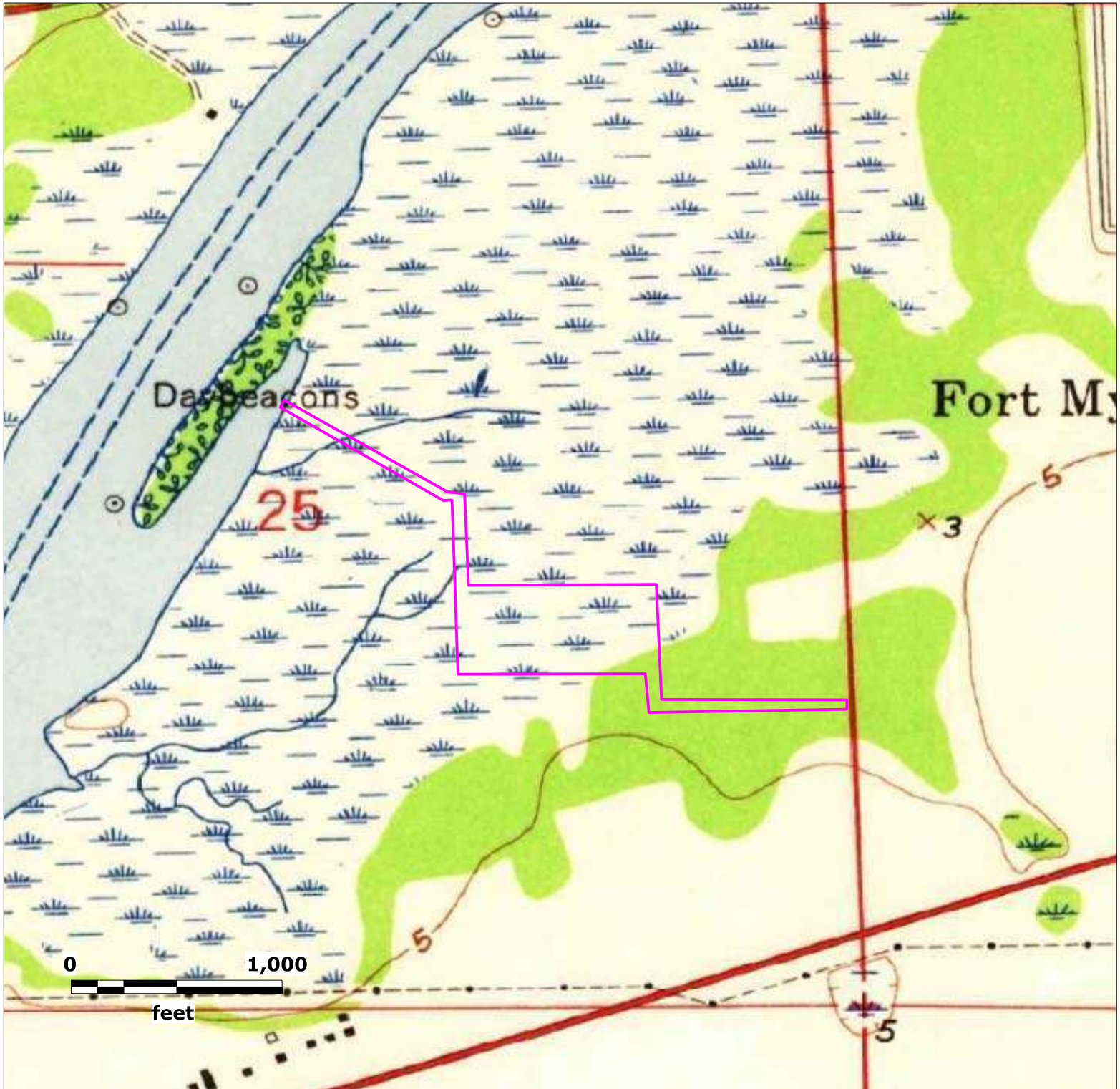
Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
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EDM Job No: 26474
March 22, 2023



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

 Approximate Site Location

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023

APPENDIX D REGULATORY DATABASE REPORT

Environmental Data Report

Custom Radius Research

Subject Property:

SR 31

Lee County, Florida

Prepared For:

Tierra Inc

7351 Temple Terrace Hwy

Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.

2840 West Bay Drive, Suite 208

Belleair Bluffs, Florida 33770

March 30, 2023



March 30, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Custom Radius Research - EDM Project #26489**

Dear Mr. Garth

Thank you for choosing Environmental Data Management, Inc. The following report provides the results of our environmental data research that you requested for the following location:

SR 31

Lee County, Florida

The following is a summary of the components contained within this report:

- **Executive Summary** –lists the databases that were searched for this report, the search distance criteria and the number of sites identified for each database.
- **Map of Study Area**– street map showing the location of the Subject Property and any regulatory listed sites identified within the search criteria.
- **Site Summary Table** –displays the Map ID number, Permit or Registration number, Name/Address and the Government Database(s) for the identified regulatory listed sites.
- **Detail Reports** – data detail for each database record identified.
- **Proximal Records Table** – a listing of potentially relevant sites identified just beyond the search criteria.
- **Non-Mapped Records Table** - lists those government records that do not contain sufficient address information to plot within our GIS system, but may still exist within your study area.
- **Addl Maps (where applicable)** – includes Recent Aerial Photo, USGS Topographic maps, FEMA Floodplain & NWI Wetland Map, map of statewide American Indian Lands and our Environmental Impact Areas map, showing the location of suspect sites such as NPL/STNPL, Brownfields, FUDS, etc.... Our Florida well data report is also include with the Standard and Comprehensive formats.
- **Agency List Descriptions** – defines the regulatory databases included in this report along with the dates that each database was last updated by the respective agency and EDM.

At EDM we take great pride in our work, and continually strive to provide you with the most accurate and thorough research service available. This report is only intended as a means to assist in identifying locations that may pose an environmental concern relative to the property under evaluation. Its use is not intended to replace the need for a complete environmental assessment or regulatory file review, but rather as a supplement to the overall evaluation.

Thank you again for selecting EDM as your data research provider. Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Executive Summary

Report Date: 3/30/2023

Client Information	Project Information
Tierra Inc 7351 Temple Terrace Hwy Tampa, FL 33637 Client Job No: 6511-18-173E Client P.O. No:	Custom Radius Research SR 31 Lee County, Florida EDM Job No# 26489

The following table displays the databases that were included in the research provided and the number of records identified for each database. Site distance values indicated in this report are measured from the boundary of the Subject Property. The absence of records in this table and the Site Summary Tables indicates that our research found no regulated sites within the specified search distances from the Subject Property.

AGENCY DATABASES RESEARCHED	Total # Found
EPA DATABASES	
National Priorities List(NPL)	0
SEMS Active Site Inventory List(SEMSACTV)	0
Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)	0
SEMS Archived Site Inventory List(SEMSARCH)	0
Archived Cerclis Sites(NFRAP)	0
RCRIS Handlers with Corrective Action(CORRACTS)	0
Tribal Tanks List(TRIBLTANKS)	0
Tribal Lust List(TRIBLLUST)	0
Brownfields Management System(USBRWNFLDS)	0
Institutional and/or Engineering Controls(USINSTENG)	0
NPL Liens List(NPLLIENS)	0

*** Disclaimer ***

Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.



AGENCY DATABASES RESEARCHED	Total # Found
FDEP DATABASES	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	3
Solid Waste Facilities List_Landfills(SLDWST_LF)	1
Leaking Underground Storage Tanks List(LUST)	3
Underground/Aboveground Storage Tanks(TANKS)	6
State Designated Brownfields(BRWNFLDS)	0
Voluntary Cleanup List(VOLCLNUP)	4
Institutional and/or Engineering Controls(INSTENG)	0
Dry Cleaners List(DRY)	0
Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)	2

*** Disclaimer ***

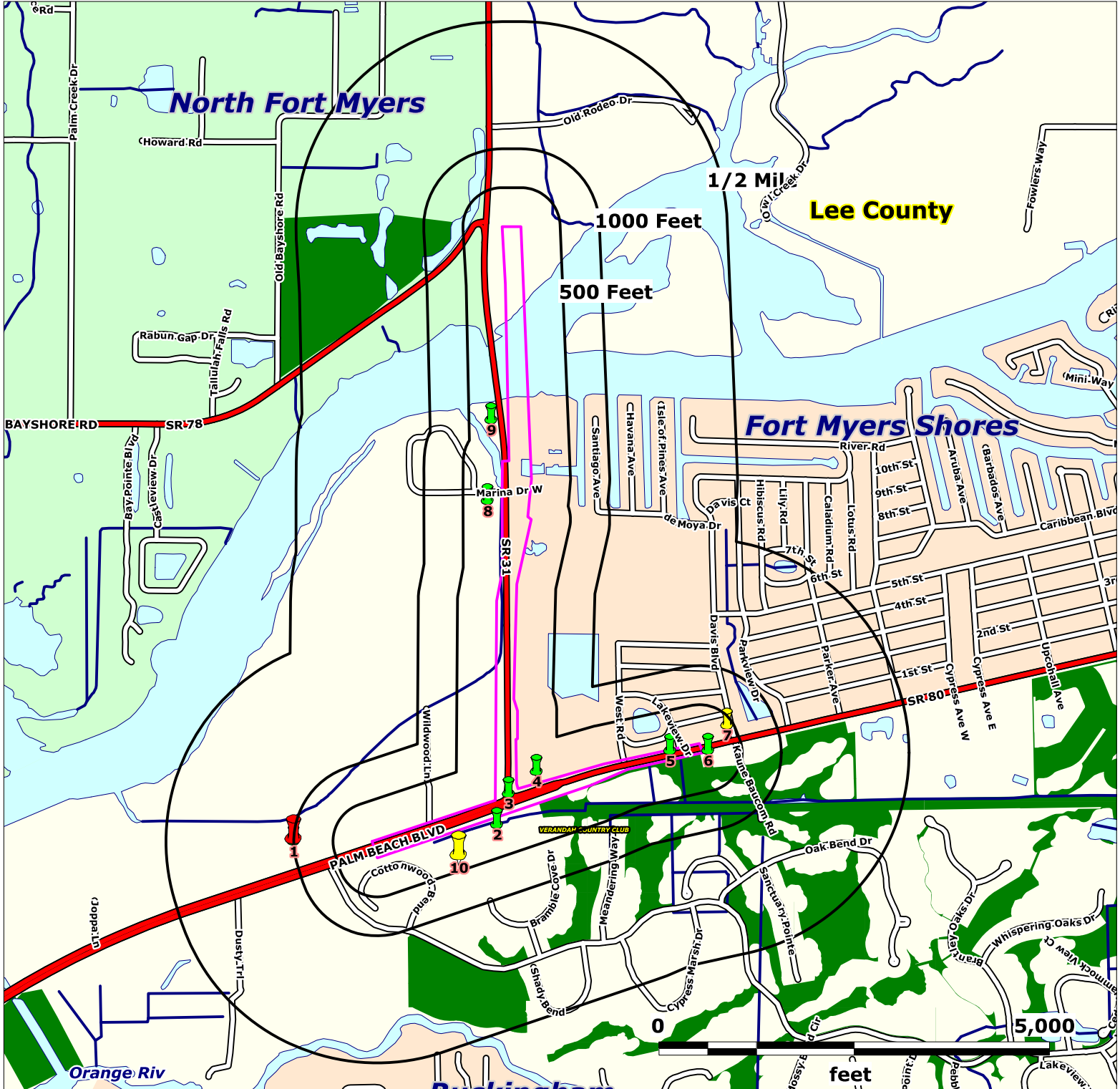
Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.



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For further information please contact us at 727-586-1700

Use of this information is strictly limited by EDM's authorization agreement, acknowledged by our clients for each report.



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

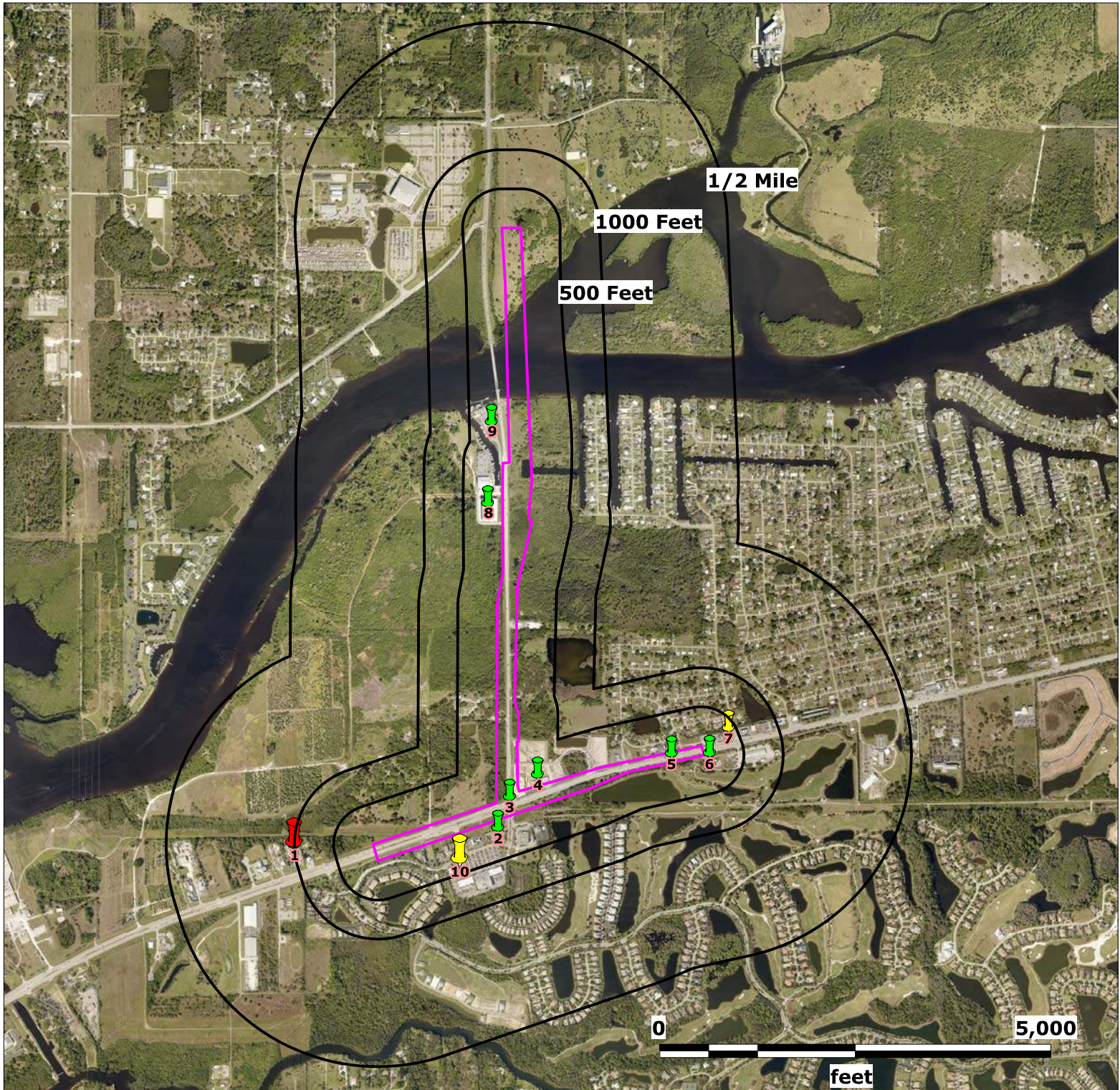
EDM Job No: 26489
March 30, 2023

Approximate Site Boundary

NPL, STNPL, CERCLIS, SEMSACTV,
SEMSARCH and SLDWST_LF sites - 1/2 Mile

SLDWST_NLF sites - 1000 Feet

NPLLIENS, CORRACTS, NFRAP, STCERC,
LUST, BRWNFLDS, VOLCLNUP, DRY,
TANKS & INSTENG sites - 500 Feet



Source: Florida Department of Transportation


Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

 Approximate Site Boundary



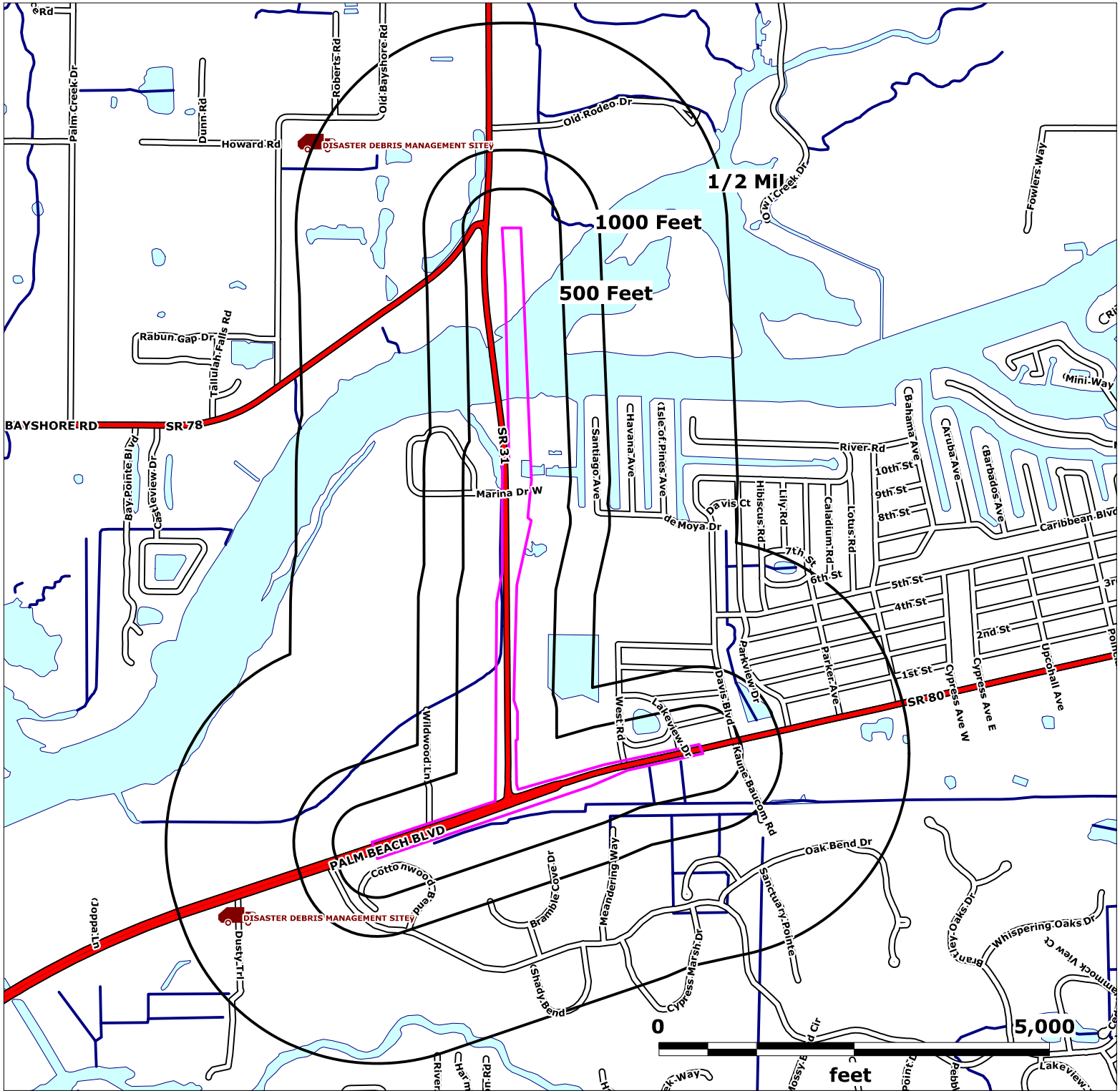
NPL, STNPL, CERCLIS, SEMSACTV,
SEMSARCH and SLDWST_LF sites - 1/2 Mile



SLDWST_NLF sites - 1000 Feet



NPLLIENS, CORRACTS, NFRAP, STCERC,
LUST, BRWNFLDS, VOLCLNUP, DRY,
TANKS & INSTENG sites - 500 Feet



Source: FDEP and USEPA Geodata

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 38.4192"
Lon (DMS): -81 45' 35.838"

EDM Job No: 26489
March 30, 2023

	FDEP Brownfield Areas		Formerly Used Defense Sites FUDS		Approximate Site Boundary
	FDEP Brownfield Sites		FUDS Munitions Response Areas		
	USEPA NPL & FDEP STNPL Sites		FDEP Cattle Dipping Vat		
	FDEP Delineated GW Contamination		FDEP Solid Waste Sites		Institutional Controls

ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Site Summary Table

Report Date: 3/30/2023

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1 SLDWST_LF	99249	1013	4.44	Higher	TIRE SERVICES OF FLORIDA	11480 Palm Beach Blvd // Fort Myers, FL 33905
2 TANKS	9807804	186	6.86	Higher	7-ELEVEN STORE #34892	11891 PALM BEACH BLVD FORT MYERS, FL 33905
3 STCERC	ERIC_11334	0	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
VOLCLNUP	385529	0	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
VOLCLNUP	ERIC_11334	0	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
4 TANKS	9817743	51	0.00	-	RACETRAC #2571	12050 PALM BCH BLVD FORT MYERS, FL 33905
5 LUST	8518912	0	3.68	Higher	CIRCLE K #2707335	12255 PALM BCH BLVD FORT MYERS, FL 33905
LUST	8518912.	0	3.68	Higher	CIRCLE K #7335	7033 PALM BEACH BLVD FORT MYERS, FL 33905
STCERC	8518912	0	3.68	Higher	CIRCLE K #2707335	12255 PALM BCH BLVD FORT MYERS, FL 33905
TANKS	8518912	0	3.68	Higher	CIRCLE K #2707335	12255 PALM BCH BLVD FORT MYERS, FL 33905
6 TANKS	8627451	95	12.16	Higher	FT MYERS SHORES FIRE	12345 PALM BEACH BLVD FORT MYERS, FL 33905
7 SLDWST_NLF	101004	378	9.14	Higher	TURN-KEY AUTO & TIRE, LLC.	12370 PALM BEACH BLVD FORT MYERS, FL 33905
8 TANKS	9804445	188	8.26	Higher	SWEETWATER LANDING LLC	16991 HWY 31 FORT MYERS, FL 33905
9 LUST	9102602	220	3.84	Higher	MARINA 31	17281 HWY 31 FORT MYERS, FL 33905
STCERC	ERIC_11236	220	3.84	Higher	MARINA 31	17281 STATE ROAD 31 FORT MYERS, FL 33905
TANKS	9102602	220	3.84	Higher	MARINA 31	17281 HWY 31 FORT MYERS, FL 33905
VOLCLNUP	164417	220	3.84	Higher	MARINA 31	17281 STATE ROAD 31 FORT MYERS, FL 33905
VOLCLNUP	ERIC_11236	220	3.84	Higher	MARINA 31	17281 STATE ROAD 31 FORT MYERS, FL
10 SLDWST_NLF	107466	475	4.00	Higher	TIRE RECYCLING SERVICES OF FL LLC	11821 PALM BEACH BLVD FORT MYERS, FL 33905



FDEP SOLID WASTE FACILITIES LIST LANDFILL SITES

(SLDWST_LF)

Report Date: 3/30/2023

SLDWST Page 1 of 1

FACILITY ID, NAME AND LOCATION:

99249 --HISTORICAL ENTRY--
TIRE SERVICES OF FLORIDA
11480 Palm Beach Blvd //
Fort Myers, FL 33905

DISTRICT
COUNTY LEE
SEC/TWN/RN //
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER:

Dist (FEET): 1013.0
Direction:
Elev (Ft): 4.44
Elev vs Sub Prop: Higher

1

SLDWST

RESP AUTHORITY:

SITE CONTACT:

LAND OWNER:

FACILITY CLASS: 595/UNAUTHORIZED DISPOSAL/PROCESSING-COMPLAINT

CLASS STATUS: COMPLAINT UNDER INVESTIGATION(L)

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 3/30/2023

TANKS Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION

9807804
 7-ELEVEN STORE #34892
 11891 PALM BEACH BLVD
 FORT MYERS, FL 33905

OWNERSHIP INFORMATION

7-ELEVEN INC.
 PO BOX 711 ATTN: MGR-FL REGION
 Dallas, TX 75221
CONTACT: DAVID PETERSEN | MILEI AV/407403299
SITE COUNTY: 36 LEE
SITE LAT/LON (AGCY): /

MAP ID NUMBER:

Dist (FEET): 186.00
Direction:
Elev (Ft): 6.86
Elev vs Sub Prop: Higher

2

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A
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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: OPEN

FAC TYPE: Retail Station

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
65628	12000	01-Sep-2005	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Dec-2005

CONSTRUCTION TYPE: EIMNOP

FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: FJKN

DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL

LEAK MONITORING: 135FHK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
65630	12000	01-Sep-2005	Vehicle Diesel	UNDERGROUND	IN SERVICE 01-Dec-2005

CONSTRUCTION TYPE: EIMNOP

FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: FJKN

DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL

LEAK MONITORING: 135FHK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
65631	15000	01-Sep-2005	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Dec-2005

CONSTRUCTION TYPE: EIMNOP

FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: FJKN

DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL

LEAK MONITORING: 135FHK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
65632	15000	01-Sep-2005	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Dec-2005

CONSTRUCTION TYPE: EIMNOP

FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: FJKN

DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL

LEAK MONITORING: 135FHK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE



FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

Report Date: 3/30/2023

STCERC Page 1 of 1

FACILITY NAME AND LOCATION:

ACCIDENT SR 31 & PALM BEACH BLVD
SR 31 AND PALM BEACH BOULEVARD
FORT MYERS, FL

AGENCY SITE LAT/LON:

26.702589884816
-81.75849416163

MAP ID NUMBER:

3

Dist (FEET): 0.00
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop: -

STCERC

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:

SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:

SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:

SRC DATA ID:
SRC DATA PGM:
PGM AREA:
CLNP CAT:
REM STATUS:
COMMENTS:

ERIC WASTE CLEANUP SITES INFO:

ERIC ID NO: ERIC_11334

SITE NAME: ACCIDENT SR 31
& PALM BEACH
BLVD

SRC FAC ID: 140521

SRC FAC NAME: ACCIDENT SR 31 and
PALM BEACH BLVD

SITE STATUS: OPEN

PROGRAM: Responsible Party Cleanup

PROGRAM TYPE: RESPONSPARTY **DISCHARGE DATE:**

PROGRAM STATUS: ACTIVE

SITE PHASE DESCR: Phase 1 - Initial Assessment

OFFSITE COMTAM KEY: CONTAMUNKNOWN

ICR ?: N



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FDEP VOLUNTARY CLEANUP SITES

(VOLCLNUP)

Report Date: 3/30/2023

VOLCLNUP Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION:

385529 --HISTORICAL ENTRY--
ACCIDENT SR 31 & PALM BEACH BLVD
SR 31 AND PALM BEACH BOULEVARD
FORT MYERS, FL

COUNTY: LEE
DISTRICT:
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER:

3

Dist (FEET): 0.00
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop: -

VOLCLNUP

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

BSRA DATA

AREA ID: AREA NAME:
ACREAGE: REMED STATUS: BSRA DATE: SRCO DATE:
COMMENTS:

WASTE CLEANUP DATA

PROJ ID: 389400 OGC NO: STATUS: OPEN PRIORITY SCORE: INIT DATA RCVD: 9/25/2019
CONTAMINANTS:
OFFSITE CONTAM?: FEATURE:

FACILITY ID NUMBER, NAME AND LOCATION:

ERIC_11334
ACCIDENT SR 31 & PALM BEACH BLVD
SR 31 AND PALM BEACH BOULEVARD
FORT MYERS, FL

COUNTY: Lee
DISTRICT: SD
AGENCY LAT: 26.7025898848156
AGENCY LON: -81.7584941616326

MAP ID NUMBER:

3

Dist (FEET): 0.00
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop: -

VOLCLNUP

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 140521 SOURCE FAC NAME: ACCIDENT SR 31 and PALM BEACH BLVD SITE STATUS: OPEN
PROGRAM: Responsible Party Cleanup PROGRAM STATUS: ACTIVE SITE MANAGER: Robert Sellers
DISCH DATE: OFFSITE CONTAM KEY?: CONTAMUNKNOWN INST CONTROL?: N SITE PHASE: Phase 1 - Initial Assessment

BSRA DATA

AREA ID: AREA NAME:
ACREAGE: REMED STATUS: BSRA DATE: SRCO DATE:
COMMENTS:

WASTE CLEANUP DATA

PROJ ID: OGC NO: STATUS: PRIORITY SCORE: INIT DATA RCVD:
CONTAMINANTS:
OFFSITE CONTAM?: FEATURE:



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 3/30/2023

TANKS Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION

9817743
 RACETRAC #2571
 12050 PALM BCH BLVD
 FORT MYERS, FL 33905

OWNERSHIP INFORMATION

RACETRAC PETROLEUM INC
 200 GALLERIA PKWY SE #900 ATTN:
 Atlanta, GA 30339
CONTACT: MAX BURMEISTER/7704317600
SITE COUNTY: 36 LEE
SITE LAT/LON (AGCY): /

MAP ID NUMBER:

Dist (FEET): 51.00
Direction:
Elev (Ft): 0.00
Elev vs Sub Prop: -

4

TANKS

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: OPEN

FAC TYPE: Retail Station

TANK #: **TANK VOL(GALS):**

INST.DATE: **TANK CONTENTS:**

TANK POSITION:

TANK STATUS (as of...)

1 20000

01-Feb-2020 Unleaded Gas

UNDERGROUND

IN SERVICE 01-Feb-2020

CONSTRUCTION TYPE: EIMNOP

FIBERGLASS/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: CFJK

FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS

LEAK MONITORING: 135FGK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #: **TANK VOL(GALS):**

INST.DATE: **TANK CONTENTS:**

TANK POSITION:

TANK STATUS (as of...)

2 24000

01-Feb-2020 Vehicular Diesel

UNDERGROUND

IN SERVICE 01-Feb-2020

CONSTRUCTION TYPE: EILMNOP

FIBERGLASS/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: CFJK

FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS

LEAK MONITORING: 135FGK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE

TANK #: **TANK VOL(GALS):**

INST.DATE: **TANK CONTENTS:**

TANK POSITION:

TANK STATUS (as of...)

3 24000

01-Feb-2020 Ethanol E85

UNDERGROUND

IN SERVICE 01-Feb-2020

CONSTRUCTION TYPE: EILMNOP

FIBERGLASS/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: CFJK

FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS

LEAK MONITORING: 135FGK

CONTINUOUS ELECTRONIC SENSING/ELECTRONIC MONITOR PIPE SUMPS/ELECTRONIC MONITOR DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/ELECTRONIC LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE



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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

Report Date: 3/30/2023

STCERC Page 1 of 1

FACILITY NAME AND LOCATION:

CIRCLE K #2707335
12255 PALM BCH BLVD
FORT MYERS, FL 33905-

AGENCY SITE LAT/LON:

26.703423162636
-81.75404777164

MAP ID NUMBER:

5

Dist (FEET): 0.00
Direction:
Elev (Ft): 3.68
Elev vs Sub Prop: Higher

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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:

SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:

SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:

SRC DATA ID: 8518912
SRC DATA PGM: STCM
PGM AREA: TK
CLNP CAT: PETRO
REM STATUS: ACTIVE
COMMENTS:

ERIC WASTE CLEANUP SITES INFO:

SRC FAC ID:
PROGRAM:
PROGRAM STATUS:
OFFSITE COMTAM KEY:

ERIC ID NO:

SRC FAC NAME:

PROGRAM TYPE:
SITE PHASE DESCR:
ICR ?:

SITE NAME:

SITE STATUS:

DISCHARGE DATE:



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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 1 of 5

FACILITY ID NUMBER, NAME AND LOCATION

8518912
CIRCLE K #2707335
12255 PALM BCH BLVD
FORT MYERS, FL 33905-

OWNERSHIP INFO:

ACCOUNT OWNER
CIRCLE K STORES INC
1100 Situs Ct ATTN: STORAGE TANK
Raleigh, NC 27606-4295
(984)389-1258
COUNTY ID: 36 LEE
AGCY LAT/LON(DMS): 26.42,12.3058 81.45,14.5606
FAC OPERATOR: FRANCES FRANCONI
FAC TEL #: (813)910-6884

MAP ID NUMBER:

Dist (FEET): 0.00
Direction:
Elev (Ft): 3.68
Elev vs Higher
Sub Prop:

5

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U
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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: CLOSED **FAC TYPE:** A - Retail Station

SCORE 10 **SCORE EFF DT:** 8/6/2013 **RANK:** 12937 **SCORE WHEN RANKED:** 6

DISCHARGE INFORMATION

DISCHARGE DATE: 11/23/1988

Mapid: 5

INSPECTION DATE:

CLEANUP WORK STATUS: ACTIVE

CLEANUP REQUIRED R - CLEANUP REQUIRED

CLEANUP COMBINED:

INFO SOURCE: E - EDI

DISCH CLNUP STATUS: 2/2/2016 SA - SA ONGOING

CONTAMINATED MEDIA?: SOIL: Y SUR WATER: N GR WATER: N MON WELL: N # DW WELLS CONTAMINATED: 0

POLLUTANT : A - Leaded Gas GALLONS OTHER

CLEANUP INFORMATION

Mapid: 5

PGM ELIG OFF: PCTM5 - PETROLEUM CLEANUP TEAM 5

PGM ELIG SCORE: 10

PGM ELIG SCORE EFF DT:

PGM ELIG R

ELIG STAT: ELIGIBLE

ELIG STAT DT:

APPL RCVD:

LOI:

ELIG LTR SENT:

REDETERM:

DEDUCT AMT:

DEDUCT PD TO DT:

COPAY AMT:

COPAY TO DT:

CAP AMT: 0

CLNUP PROG: E - EARLY DETECTION INCEN **CLNUP OFF:** PCTM5 - PETROLEUM CLEANUP TEAM 5

SITE ASSESSMENT*

CLNP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: ST - STATE
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -
SUBMIT DATE:
REVIEW DATE:
ISSUE DATE:
COMPL STATUS: -
COMPL STATUS DT:
COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: ST - STATE
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL?(Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

* Data current as of November 2019



FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 2 of 5

DISCHARGE INFORMATION

DISCHARGE DATE: 4/1/1997

Mapid: 5

INSPECTION DATE:

CLEANUP WORK STATUS: AWAITING

CLEANUP REQUIRED: R - CLEANUP REQUIRED

CLEANUP COMBINED:

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNUP STATUS: 5/24/2001 DNR - DISCHARGE NOTIFICATION RECEIVED

CONTAMINATED MEDIA?: SOIL: SUR WATER: GR WATER: MON WELL: # DW WELLS CONTAMINATED:

POLLUTANT: B - Unleaded Gas GALLONS OTHER

CLEANUP INFORMATION

Mapid: 5

PGM ELIG OFF: PCSD - SD CLEANUP & COMPLIANCE ASSURANCE

PGM ELIG SCORE: 10

PGM ELIG SCORE EFF DT:

PGM ELIG R

ELIG STAT: NOT ELIGIBLE

ELIG STAT DT:

APPL RCVD:

LOI:

ELIG LTR SNT:

REDETERM:

DEDUCT AMT:

DEDUCT PD TO DT:

COPAY AMT:

COPAY TO DT:

CAP AMT: 0

CLNUP PROG: O - OTHER

CLNUP OFF: PCSD - SD CLEANUP & COMPLIANCE ASSURANCE

SITE ASSESSMENT*

CLNP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE:

PAYMENT DATE:

ACTUAL COST:

REMEDIAL ACTION PLAN*

CLEANUP RESP: -

FUND ELLIG: -

ORDER APPRV DATE:

ACTUAL COMPL DATE:

PAYMENT DATE:

ACTUAL COST:

REMEDIAL ACTION*

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COST:

YEARS TO COMPL:

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: -

SUBMIT DATE:

REVIEW DATE:

ISSUE DATE:

COMPL STATUS: -

COMPL STATUS DT:

COMMENTS:

SOURCE REMOVAL*

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE:

FREE PRODUCT REMOVAL?(Y/N):

SOIL REMOVAL?(Y/N):

SOIL TONNAGE REMOVED:

SOIL TREATMENT?(Y/N):

OTHER TREATMENT?:

ALT PROC STATUS:

ALT PROC STATUS DT:

ALT PROC COMMENT:

* Data current as of November 2019



FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 3 of 5

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	5		
8518912 CIRCLE K #2707335 12255 PALM BCH BLVD FORT MYERS, FL 33905	CIRCLE K STORES INC 1100 Situs Ct ATTN: STORAGE TAN Raleigh, NC 27606 CONTACT TEL #: 9196100734 CONTACT: CIRCLE K STORES INC FACILITY TEL #: 8139106884 COUNTY ID: 36 LEE	Dist (FEET): 0.00 Direction: Elev (Ft): 3.68 Elev vs Sub Prop: Higher	T A N K S		
FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)					
FAC STATUS: CLOSED FAC TYPE: Retail Station					
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	8000	01-Jan-1977	Vehicular Diesel	UNDERGROUND	CLOSED IN PLACE 01-Oct-2009
CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DEP APPROVED CONTAINMENT PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE					
2	800	01-Jan-1977	Unleaded Gas	UNDERGROUND	CLOSED IN PLACE 01-Oct-2009
CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DEP APPROVED CONTAINMENT PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE					
3	10000	01-Oct-1984	Unleaded Gas	UNDERGROUND	CLOSED IN PLACE 01-Oct-2009
CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DEP APPROVED CONTAINMENT PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE					
4	10000	01-Oct-1984	Unleaded Gas	UNDERGROUND	CLOSED IN PLACE 01-Oct-2009
CONSTRUCTION TYPE: STEEL/IMPRESSED CURRENT CP/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/DEP APPROVED CONTAINMENT PIPING TYPE: FIBERGLASS/DOUBLE WALL/PRESSURIZED PIPING SYSTEM/DISPENSER LINERS LEAK MONITORING: CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/MONITOR DBL WALL TANK SPACE/MECHANICAL LINE LEAK DETECTOR/MONITOR DBL WALL PIPE SPACE					



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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 5 of 5

TANKS Data for LUST Sites:



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 3/30/2023

TANKS Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION

8627451
 FT MYERS SHORES FIRE
 12345 PALM BEACH BLVD
 FORT MYERS, FL 33905

OWNERSHIP INFORMATION

FT MYERS SHORES FIRE DEPT
 12345 PALM BEACH BLVD
 FORT MYERS, FL 33905
CONTACT: DONALD BAUCOM/8130942833
SITE COUNTY: 36 LEE
SITE LAT/LON (AGCY): 26 41 59 / 81 45 11

MAP ID NUMBER:

Dist (FEET): 95.00
Direction:
Elev (Ft): 12.16
Elev vs Sub Prop: Higher

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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: CLOSED

FAC TYPE: Fuel user/Non-retail

TANK #:	TANK VOL(GALS):
1	1000

INST.DATE:	TANK CONTENTS:
	Unleaded Gas

TANK POSITION:
 UNDERGROUND

TANK STATUS (as of...)
 REMOVED FROM SITE

CONSTRUCTION TYPE: C STEEL

PIPING TYPE:

LEAK MONITORING: Y UNKNOWN



FDEP SOLID WASTE FACILITIES LIST NON-LANDFILL SITES

(SLDWST_NLF)

Report Date: 3/30/2023

SLDWST Page 1 of 1

FACILITY ID, NAME AND LOCATION:

101004
TURN-KEY AUTO & TIRE, LLC.
12370 PALM BEACH BLVD
FORT MYERS, FL 33905

DISTRICT SD
COUNTY LEE
SEC/TWN/RN //
AGENCY LAT: ::
AGENCY LON: ::

MAP ID NUMBER:

7

Dist (FEET): 378.00
Direction:
Elev (Ft): 9.14
Elev vs Sub Prop: Higher

SLDWST

RESP AUTHORITY:

SITE CONTACT:

LAND OWNER:

FACILITY CLASS: 754/WASTE TIRE COLLECTOR

CLASS STATUS: INACTIVE (I)

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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FDEP STORAGE TANKS REPORT

(TANKS)

Report Date: 3/30/2023

TANKS Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION

9804445
 SWEETWATER LANDING LLC
 16991 HWY 31
 FORT MYERS, FL 33905

OWNERSHIP INFORMATION

THE SEMINOLE TRIBE OF FL I
 3170 HORSESHOE DR S ATTN: STORA
 NAPLES, FL 34104
CONTACT: CAROL BEGELMAN/2392624124
SITE COUNTY: 36 LEE
SITE LAT/LON (AGCY): 26 42 47 / 81 45 39

MAP ID NUMBER:

Dist (FEET): 188.00
Direction:
Elev (Ft): 8.26
Elev vs Sub Prop: Higher

8

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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: OPEN

FAC TYPE: Marine/Coastal Fuel Storage

TANK #: **TANK VOL(GALS):**

INST.DATE: **TANK CONTENTS:**

TANK POSITION:

TANK STATUS (as of...)

1 5000

01-Nov-2001 Unleaded Gas

ABOVEGROUND

IN SERVICE 01-Nov-2001

CONSTRUCTION TYPE: CIMNOP

STEEL/DOUBLE WALL/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/TIGHT FILL/LEVEL GAUGES/ALARMS

PIPING TYPE: ABDIK

ABV, NO SOIL CONTACT/STEEL/GALVANIZED METAL/EXTERNAL PROTECTIVE COATING/SUCTION PIPING SYSTEM/DISPENSER LINERS

LEAK MONITORING: 46FQ

VISUAL INSPECT DISPENSER LINERS/EXTERNAL PIPING MONITORING/MONITOR DBL WALL TANK SPACE/VISUAL INSPECTION OF ASTS



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FDEP SITE INVESTIGATION SECTION SITES, FDEP ERIC WASTE CLEANUP SITES, FDEP CLEANUP SITES AND FDER SITES LIST

(STCERC)

Report Date: 3/30/2023

STCERC Page 1 of 1

FACILITY NAME AND LOCATION:

MARINA 31
17281 STATE ROAD 31
FORT MYERS, FL 33905

AGENCY SITE LAT/LON:

26.713098976643
-81.76088196299

MAP ID NUMBER:

9

Dist (FEET): 220.00
Direction:
Elev (Ft): 3.84
Elev vs Sub Prop: Higher

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[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

SITE INVESTIGATION SECTION INFO:

SITE NO:
ALT SITE NO:
DISTRICT: SD

FDER SITES LIST INFO:

SITE NO:
LEAD UNIT:
PRJ MGR:
ATTY:
SUP UNIT:
STATUS:
STATUS DATE:

CLEANUP SITES INFO:

SRC DATA ID:
SRC DATA PGM:
PGM AREA:
CLNP CAT:
REM STATUS:
COMMENTS:

ERIC WASTE CLEANUP SITES INFO:

SRC FAC ID: 7567

ERIC ID NO: ERIC_11236

SRC FAC NAME: MARINA 31

SITE NAME: MARINA 31

SITE STATUS: CLOSED

PROGRAM: Responsible Party Cleanup

PROGRAM STATUS: COMPLETE

OFFSITE COMTAM KEY: CONTAMUNKNOWN

PROGRAM TYPE: RESPONSPARTY **DISCHARGE DATE:**

SITE PHASE DESCR: Phase 5 - Cleanup Complete

ICR ?: N



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FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 1 of 2

FACILITY ID NUMBER, NAME AND LOCATION

9102602
MARINA 31
17281 HWY 31
FORT MYERS, FL 33905-

OWNERSHIP INFO:

ACCOUNT OWNER
MARINA 31 INC
17281 HWY 31
FORT MYERS, FL 33905-
(813)694-1331
COUNTY ID: 36 LEE
AGCY LAT/LON(DMS): 26,42,46.9869 81,45,39.0468
FAC OPERATOR: GARY SUOGODA
FAC TEL #: (813)694-1331

MAP ID NUMBER:

Dist (FEET): 220.00
Direction:
Elev (Ft): 3.84
Elev vs Higher
Sub Prop:

9

LUST

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

FAC STATUS: CLOSED **FAC TYPE:** A - Retail Station

SCORE 41 **SCORE EFF DT:** 9/14/1999 **RANK:** **SCORE WHEN RANKED:**

DISCHARGE INFORMATION

DISCHARGE DATE: 5/30/1997

Mapid: 9

INSPECTION DATE:

CLEANUP WORK STATUS: COMPLETED

CLEANUP REQUIRED R - CLEANUP REQUIRED **CLEANUP COMBINED:**

INFO SOURCE: D - DISCHARGE NOTIFICATION

DISCH CLNP STATUS: 1/7/2000 SRCR - SRCR COMPLETE

CONTAMINATED MEDIA?: SOIL: **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**

POLLUTANT : B - UNLEADED GAS **GALLONS** **OTHER**

CLEANUP INFORMATION

Mapid: 9

PGM ELIG OFF: -

PGM ELIG SCORE: 41 **PGM ELIG SCORE EFF DT:** **PGM ELIG R** **ELIG LTR SNT:** **REDETERM:**

ELIG STAT: ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**

DEDUCT AMT: **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 150000 **REDETERM:**

CLNUP PROG: P - PETROLEUM LIABILITY AN **CLNUP OFF:** -

SITE ASSESSMENT*

REMEDIAL ACTION PLAN*

REMEDIAL ACTION*

CLNP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COMPLETION DATE:
PAYMENT DATE:
ACTUAL COST:

CLEANUP RESP: -
FUND ELLIG: -
ORDER APPRV DATE:
ACTUAL COMPL DATE:
PAYMENT DATE:
ACTUAL COST:

CLEANUP RESP: RP - RESPONSIBLE PARTY
FUND ELLIG: -
ACTUAL COST:
YEARS TO COMPL: 0

SITE REHABILITATION COMPLETION REPORT*

ACTION TYPE: SRCR - SITE REHABILITATION COMPLETION REPORT
SUBMIT DATE: 10-28-1999
REVIEW DATE: 01-06-2000
ISSUE DATE: 01-07-2000
COMPL STATUS: A - APPROVED
COMPL STATUS DT: 01-06-2000
COMMENTS: SRCO ISSUED 07-JAN-2000.

SOURCE REMOVAL*

CLEANUP RESP: -
FUND ELLIG: -
ACTUAL COMPLETION DATE:
FREE PRODUCT REMOVAL?(Y/N):
SOIL REMOVAL?(Y/N):
SOIL TONNAGE REMOVED:
SOIL TREATMENT?(Y/N):
OTHER TREATMENT?:
ALT PROC STATUS:
ALT PROC STATUS DT:
ALT PROC COMMENT:

* Data current as of November 2019



FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 3/30/2023

LUST Page 2 of 2

TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	9		
9102602 MARINA 31 17281 HWY 31 FORT MYERS, FL 33905	MARINA 31 INC 17281 HWY 31 FORT MYERS, FL 33905 CONTACT TEL #: 8136941331 CONTACT: MARINA 31 INC FACILITY TEL #: 8136941331 COUNTY ID: 36 LEE	Dist (FEET): 220.00 Direction: Elev (Ft): 3.84 Elev vs Sub Prop: Higher	T A N K S		
FDEP INFORMATION PORTAL ON LINE DOCUMENTS (May Not Be Available For All Records)					
FAC STATUS: CLOSED FAC TYPE: Retail Station					
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
1	4000	01-Jul-1979	Vehicular Diesel	UNDERGROUND	REMOVED FROM SITE 01-May-1997
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: MANUALLY SAMPLED WELLS					
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)
2	4000	01-Jul-1979	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-May-1997
CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: MANUALLY SAMPLED WELLS					



FDEP VOLUNTARY CLEANUP SITES

(VOLCLNUP)

Report Date: 3/30/2023

VOLCLNUP Page 1 of 1

FACILITY ID NUMBER, NAME AND LOCATION:

164417 --HISTORICAL ENTRY--
 MARINA 31
 17281 STATE ROAD 31
 FORT MYERS, FL 33905

COUNTY: LEE
 DISTRICT:
 AGENCY LAT:
 AGENCY LON:

MAP ID NUMBER:

9

Dist (FEET): 220.00
 Direction:
 Elev (Ft): 3.84
 Elev vs Sub Prop: Higher

VOLCLNUP

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

BSRA DATA

AREA ID: AREA NAME:
 ACREAGE: REMED STATUS: BSRA DATE: SRCO DATE:
 COMMENTS:

WASTE CLEANUP DATA

PROJ ID: 233529 OGC NO: STATUS: CLOSED PRIORITY SCORE: INIT DATA RCVD: 6/2/1997
 CONTAMINANTS: Data logged by MASELLA_C.
 OFFSITE CONTAM?: FEATURE:

FACILITY ID NUMBER, NAME AND LOCATION:

ERIC_11236
 MARINA 31
 17281 STATE ROAD 31
 FORT MYERS, FL 33905

COUNTY: Lee
 DISTRICT: SD
 AGENCY LAT: 26.7130989766426
 AGENCY LON: -81.7608819629916

MAP ID NUMBER:

9

Dist (FEET): 220.00
 Direction:
 Elev (Ft): 3.84
 Elev vs Sub Prop: Higher

VOLCLNUP

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 7567 SOURCE FAC NAME: MARINA 31 SITE STATUS: CLOSED
 PROGRAM: Responsible Party Cleanup PROGRAM STATUS: COMPLETE SITE MANAGER: Charles Masella
 DISCH DATE: OFFSITE CONTAM KEY?: CONTAMUNKNOWN INST CONTROL?: N SITE PHASE: Phase 5 - Cleanup Complete

BSRA DATA

AREA ID: AREA NAME:
 ACREAGE: REMED STATUS: BSRA DATE: SRCO DATE:
 COMMENTS:

WASTE CLEANUP DATA

PROJ ID: OGC NO: STATUS: PRIORITY SCORE: INIT DATA RCVD:
 CONTAMINANTS:
 OFFSITE CONTAM?: FEATURE:



FDEP SOLID WASTE FACILITIES LIST NON-LANDFILL SITES

(SLDWST_NLF)

Report Date: 3/30/2023

SLDWST Page 1 of 1

FACILITY ID, NAME AND LOCATION:

107466
TIRE RECYCLING SERVICES OF FL LLC
11821 PALM BEACH BLVD
FORT MYERS, FL 33905

DISTRICT SD
COUNTY LEE
SEC/TWN/RN //
AGENCY LAT: ::
AGENCY LON: ::

MAP ID NUMBER:

10

Dist (FEET): 475.00
Direction:
Elev (Ft): 4.00
Elev vs Sub Prop: Higher

SLDWST

RESP AUTHORITY:

SITE CONTACT:

LAND OWNER:

FACILITY CLASS: 754/WASTE TIRE COLLECTOR

CLASS STATUS: REGISTERED (R)

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research Proximal Site Summary Table

This table includes mapped sites whose plotted coordinates fall just outside of the ASTM or client defined research distance but whose property boundaries may still extend into the search area. These sites are typically large commercial or industrial tracts that may merit inclusion in the evaluation process. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 3/30/2023

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1A						
TANKS	9808817	672	6.41	Higher	PUBLIX SUPER MARKET #1039	11851 PALM BEACH BLVD FORT MYERS, FL 33905
2A						
LUST	8735881	819	4.88	Higher	GENES AUTO SRVC	11500 PALM BEACH BLVD FORT MYERS, FL 33905
TANKS	8735881	819	4.88	Higher	GENES AUTO SRVC	11500 PALM BEACH BLVD FORT MYERS, FL 33905
3A						
TANKS	9805918	517	7.74	Higher	VERANDAH GOLF MAINTENANCE FACILITY	12355 PALM BEACH BLVD FORT MYERS, FL 33905
4A						
LUST	9804195	606	8.74	Higher	7-ELEVEN STORE #38047	12516 PALM BEACH BLVD FORT MYERS, FL 33905
STCERC	9804195	606	8.74	Higher	7-ELEVEN STORE #38047	12516 PALM BEACH BLVD FORT MYERS, FL 33905
TANKS	9804195	606	8.74	Higher	7-ELEVEN STORE #38047	12516 PALM BEACH BLVD FORT MYERS, FL 33905



ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research Non-Mapped Records Summary Table

This table is a listing of database records that have not been plotted within our mapping system. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 3/30/2023

Page 1 of 1

Prgm List Fac ID No	Site Name	Site Address



Agency List Descriptions

USEPA and State Databases are updated on a quarterly basis. Supplemental Databases are updated on an annual basis.

Florida Department of Environmental Protection (FDEP)

State Designated Brownfields(BRWNFLDS)

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 12/8/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/28/2022

Dry Cleaners List(DRY)

The FDEP Dry Cleaning Facilities List is comprised of data from the FDEP Storage Tank and Contamination Monitoring (STCM) database and the Drycleaning Solvent Cleanup Program- Priority Ranking List. It contains a listing of those Dry Cleaning sites (and suspected historical Dry Cleaning sites) who have registered with the FDEP and/or have applied for the Dry Cleaning Solvent Cleanup Program.

Agency File Date: 12/22/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/28/2022

Institutional and/or Engineering Controls(INSTENG)

The FDEP Institutional Controls Registry Database (INSTENG) contains sites that have had Institutional and/or Engineering Controls implemented to regulate exposure to environmental hazards

Agency File Date: 10/27/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

Leaking Underground Storage Tanks List(LUST)

The FDEP LUST list identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. This Report is generated from the FDEP Storage Tank and Contamination Monitoring Database (STCM).

Agency File Date: 11/1/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

Solid Waste Facilities List_Landfills(SLDWST_LF)

The SLDWST_LF list identifies locations that have conducted solid waste landfill activities as determined by the applicable FDEP Facility Classifications. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 12/28/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/29/2022

Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)

The SLDWST_NLF list identifies locations that have conducted solid waste handling activities other than landfilling, as determined by the applicable FDEP Facility Classifications, such as Transfer Stations, Disaster Debris Staging Areas and sites handling Bio-Hazardous wastes. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 12/28/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/29/2022

State CERCLIS/SEMS Equivalent(STCERC)

The STCERC list is compiled from the FDEP Site Investigation Section list, the Florida SITES list(historical) and the FDEP Cleanup Sites list. These sites are being assessed and/or cleaned up as a result of identified or suspected contamination from the release of hazardous substances. The FDEP Cleanup Sites list programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

Agency File Date: 8/19/2022

Received by EDM: 8/19/2022

EDM Database Updated: 8/19/2022

State NPL Equivalent(STNPL)

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 9/6/2022

Received by EDM: 10/4/2022

EDM Database Updated: 10/4/2022

Underground/Aboveground Storage Tanks(TANKS)

The FDEP TANKS list contains sites with registered aboveground and underground storage tanks containing regulated petroleum products.

Agency File Date: 2/6/2023

Received by EDM: 2/6/2023

EDM Database Updated: 2/10/2023

Voluntary Cleanup List(VOLCLNUP)

The VOLCLNUP List is derived from the FDEP Brownfields Site Rehabilitation Agreement (BSRA) database, the FDEP ERIC Waste Cleanup database and the FDEP Office of Waste Cleanup Responsible Party Sites database (not available as of June 2021). The VOLCLNUP List identifies sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity.

Agency File Date: 12/21/2022

Received by EDM: 12/29/2022

EDM Database Updated: 12/29/2022

United States Environmental Protection Agency (EPA)

Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)

The US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are proposed to be on the NPL, are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The CERCLIS database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 11/12/2013

Received by EDM: 2/18/2016

EDM Database Updated: 2/18/2016

RCRIS Handlers with Corrective Action(CORRACTS)

The US EPA Corrective Action Sites (CORRACTS) database is a listing of hazardous waste handlers that have undergone RCRA corrective action activity.

Agency File Date: 1/16/2023

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

Archived Cerclis Sites(NFRAP)

The US EPA NFRAP list contains archived data of CERCLIS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. NFRAP sites may be reviewed in the future to determine if they should be returned to CERCLIS based upon newly identified contamination problems at the site. The NFRAP database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 10/25/2013

Received by EDM: 2/18/2016

EDM Database Updated: 2/18/2016

National Priorities List(NPL)

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL Report includes sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list. Previously, information for the NPL was managed under the CERCLIS data management system. In 2014 this system was replaced with the Superfund Enterprise Management System (SEMS). EPA last updated CERCLIS in November of 2013. EDM's NPL Report contains available SEMS data and the archived CERCLIS data relative to NPL sites.

Agency File Date: 2/27/2023

Received by EDM: 2/27/2023

EDM Database Updated: 2/28/2023

NPL Liens List(NPLLIENS)

The US EPA NPL Liens List identifies those sites where under authority granted by CERCLA, liens have been filed against real property in order to recover expenditures from remedial action or when the property owner receives a notice of potential liability.

Agency File Date: 2/21/2023

Received by EDM: 2/28/2023

EDM Database Updated: 2/28/2023

SEMS Active Site Inventory List(SEMSACTV)

The US EPA Superfund Enterprise Management System (SEMS) tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. The SEMSACTV list contains sites that are on the National Priorities List (NPL) as well as sites that are proposed for or in the screening and assessment phase for possible inclusion on the NPL. SEMS has replaced the CERCLIS database, which was retired in November of 2013.

Agency File Date: 12/22/2022

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

SEMS Archived Site Inventory List(SEMSARCH)

The US EPA Superfund Enterprise Management System (SEMS), contains archived data of CERCLIS or SEMS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. These sites may be reviewed in the future to determine if they should be returned to SEMS based upon newly identified contamination problems at the site. SEMS has replaced the CERCLIS database, which was retired in November of 2013. The SEMSARCH database contains these newly archived records under the SEMS database management system.

Agency File Date: 12/22/2022

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

Tribal LUST List(TRIBLLUST)

EDM's Tribal LUST list is derived from the USEPA Region IV Tribal Tanks database by extracting those sites with indicators of past and/or current releases.

Agency File Date: 2/24/2010

Received by EDM: 3/9/2010

EDM Database Updated: 3/9/2010

Tribal Tanks List(TRIBLTANKS)

The USEPA Region IV Tribal Tanks database lists Active and Closed storage tank facilities on Native American lands.

Agency File Date: 2/24/2010

Received by EDM: 3/9/2010

EDM Database Updated: 3/9/2010

Brownfields Management System(USBRWNFLDS)

The US EPA Brownfields program provides information on environmentally distressed properties that have received Grants or Targeted funding for cleanup and redevelopment. Tribal Brownfield sites are included in the USBRWNFLDS database.

Agency File Date: 1/3/2023

Received by EDM: 1/3/2023

EDM Database Updated: 1/13/2023

Institutional and/or Engineering Controls(USINSTENG)

The USINSTENG list is compiled from data elements contained in the NPL, CORRACTS, USBRWNFLDS and RCRAInfo databases.

Agency File Date: 1/17/2023

Received by EDM: 1/17/2023

EDM Database Updated: 1/17/2023

Environmental Impact Areas

Brownfield Areas and Sites

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 8/12/2022

Received by EDM: 8/15/2022

EDM Database Updated: 8/15/2022

<https://floridadep.gov/waste/waste-cleanup/content/brownfields-program>

Cattle Dipping Vats

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

Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. EDM's Cattle Dipping Vat sites are retrieved from the Voluntary Cleanup and STCERC databases. For additional information on Cattle Dipping Vats visit the FDEP and FDOH websites at:

Agency File Date: 10/31/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<https://floridadep.gov/waste/district-business-support/content/cattle-dipping-vats-cdv>

<http://www.floridahealth.gov/environmental-health/drinking-water/cattledipvathome.html>

Formerly Used Defense Sites

The DoD is responsible for the environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and operated under the jurisdiction of the Secretary of Defense prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. For more information on the FUDS Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/29/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<http://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/>

FUDS Munitions Response Sites

The DoD developed the Military Munitions Response Program (MMRP) in 2001 to address munitions-related concerns, including explosive safety, environmental, and health hazards from releases of unexploded ordnance (UXO), discarded military munitions (DDM), and munitions constituents (MC) found at locations, other than operational ranges, on active and Base Realignment and Closure (BRAC) installations and Formerly Used Defense Sites (FUDS) properties. The MMRP addresses non-operational range lands with suspected or known hazards from munitions and explosives of concern (MEC) which occurred prior to September 2002, but are not already included with an Installation Response Program (IRP) site cleanup activity. For more information on the FUDS MMRP Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/14/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<http://www.asaie.army.mil/Public/ESOH/mmrp.html>

Groundwater Contamination Areas

The Ground Water Contamination Areas GIS layer is a statewide map showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This GIS layer represents approximately 427,897 acres in 38 counties in Florida that have been delineated for groundwater contamination. However, it does not represent all known sources of groundwater contamination for the state of Florida.

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

Agency File Date: 8/15/2022

Received by EDM: 8/15/2022

EDM Database Updated: 9/7/2022

<https://floridadep.gov/water/source-drinking-water/content/delineated-areas>

Institutional Controls

The FDEP Institutional Controls GIS layer is a statewide map showing the approximate boundaries of delineated areas where Institutional Controls are in place.

An institutional control provides for certain restrictions on a property. For example, a site may be cleaned up to satisfy commercial contamination target levels and an institutional control may be placed on that property indicating that it may only be used for commercial activities. If the owner of the property ever wanted to use that property for residential purposes, the owner would have to ensure that any contamination meets residential target levels.

The locational data for this layer is provided by the responsible party and reviewed by FDEP staff. Neither FDEP or EDM assumes responsibility for the accuracy of the boundary data.

Agency File Date: 10/27/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

<https://ca.dep.state.fl.us/mapdirect/?webmap=cff8d21797184421ab4763d3e4a01e48>

National Priorities List

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL site boundaries data include sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list.

Agency File Date: 11/14/2018

Received by EDM: 12/10/2018

EDM Database Updated: 1/22/2019

<https://www.epa.gov/superfund/search-superfund-sites-where-you-live>

Solid Waste Facilities

The FDEP SLDWST list identifies locations that have been permitted to conduct solid waste handling activities.

Agency File Date: 8/15/2022

Received by EDM: 8/15/2022

EDM Database Updated: 8/15/2022

<https://floridadep.gov/waste>

State Funded Cleanup Sites

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 3/30/2021

Received by EDM: 3/31/2021

EDM Database Updated: 3/31/2021

<https://floridadep.gov/waste/waste-cleanup/documents/state-funded-cleanup-program-site-list>

Environmental Data Report

Custom Radius Research

Subject Property:

SR 31

Lee County, Florida

Prepared For:

Tierra Inc

7351 Temple Terrace Hwy

Tampa, FL 33637

Prepared By:



Environmental Data Management, Inc.

2840 West Bay Drive, Suite 208

Belleair Bluffs, Florida 33770

March 22, 2023



March 22, 2023

Chris Garth
Tierra Inc
7351 Temple Terrace Hwy
Tampa, FL 33637

Subject: **Custom Radius Research - EDM Project #26474**

Dear Mr. Garth

Thank you for choosing Environmental Data Management, Inc. The following report provides the results of our environmental data research that you requested for the following location:

SR 31

Lee County, Florida

The following is a summary of the components contained within this report:

- **Executive Summary** –lists the databases that were searched for this report, the search distance criteria and the number of sites identified for each database.
- **Map of Study Area**– street map showing the location of the Subject Property and any regulatory listed sites identified within the search criteria.
- **Site Summary Table** –displays the Map ID number, Permit or Registration number, Name/Address and the Government Database(s) for the identified regulatory listed sites.
- **Detail Reports** – data detail for each database record identified.
- **Proximal Records Table** – a listing of potentially relevant sites identified just beyond the search criteria.
- **Non-Mapped Records Table** - lists those government records that do not contain sufficient address information to plot within our GIS system, but may still exist within your study area.
- **Addl Maps (where applicable)** – includes Recent Aerial Photo, USGS Topographic maps, FEMA Floodplain & NWI Wetland Map, map of statewide American Indian Lands and our Environmental Impact Areas map, showing the location of suspect sites such as NPL/STNPL, Brownfields, FUDS, etc.... Our Florida well data report is also include with the Standard and Comprehensive formats.
- **Agency List Descriptions** – defines the regulatory databases included in this report along with the dates that each database was last updated by the respective agency and EDM.

At EDM we take great pride in our work, and continually strive to provide you with the most accurate and thorough research service available. This report is only intended as a means to assist in identifying locations that may pose an environmental concern relative to the property under evaluation. Its use is not intended to replace the need for a complete environmental assessment or regulatory file review, but rather as a supplement to the overall evaluation.

Thank you again for selecting EDM as your data research provider. Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

ENVIRONMENTAL DATA MANAGEMENT, INC.

Executive Summary

Report Date: 3/22/2023

Client Information	Project Information
Tierra Inc 7351 Temple Terrace Hwy Tampa, FL 33637 Client Job No: 6511-18-173E Client P.O. No:	Custom Radius Research SR 31 Lee County, Florida EDM Job No# 26474

The following table displays the databases that were included in the research provided and the number of records identified for each database. Site distance values indicated in this report are measured from the boundary of the Subject Property. The absence of records in this table and the Site Summary Tables indicates that our research found no regulated sites within the specified search distances from the Subject Property.

AGENCY DATABASES RESEARCHED	Total # Found
EPA DATABASES	
National Priorities List(NPL)	0
SEMS Active Site Inventory List(SEMSACTV)	0
Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)	0
SEMS Archived Site Inventory List(SEMSARCH)	0
Archived Cerclis Sites(NFRAP)	0
RCRIS Handlers with Corrective Action(CORRACTS)	0
Tribal Tanks List(TRIBLTANKS)	0
Tribal Lust List(TRIBLLUST)	0
Brownfields Management System(USBRWNFLDS)	0
Institutional and/or Engineering Controls(USINSTENG)	0
NPL Liens List(NPLLIENS)	0

*** Disclaimer ***

Please understand that the regulatory databases we utilize were not originally intended for our use, but rather for the source agency's internal tracking of sites for which they have jurisdiction or other interest. As a result of this difference in intended use, their data is frequently found to be incomplete or inaccurate, and is less than ideal for our use. Our report is not to be relied upon for any purpose other than to "point" at approximate locations where further evaluation may be warranted. No conclusion can be based solely upon our report. Rather, our report should be used as a first step in directing your attention at potential problem areas, which should be followed up by site inspections, interviews with relevant personnel, regulatory file review and other means as specified in the ASTM Standard E 1527-13. Readers proceed at their own risk in relying upon this data, in whole or in part, for use within any evaluation. More detailed language with regard to such limitations and our Terms and Conditions may be found on our website at edm-net.com.



AGENCY DATABASES RESEARCHED	Total # Found
FDEP DATABASES	
State NPL Equivalent(STNPL)	0
State CERCLIS/SEMS Equivalent(STCERC)	0
Solid Waste Facilities List_Landfills(SLDWST_LF)	1
Leaking Underground Storage Tanks List(LUST)	0
Underground/Aboveground Storage Tanks(TANKS)	0
State Designated Brownfields(BRWNFLDS)	0
Voluntary Cleanup List(VOLCLNUP)	0
Institutional and/or Engineering Controls(INSTENG)	0
Dry Cleaners List(DRY)	0
Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)	0

*** Disclaimer ***

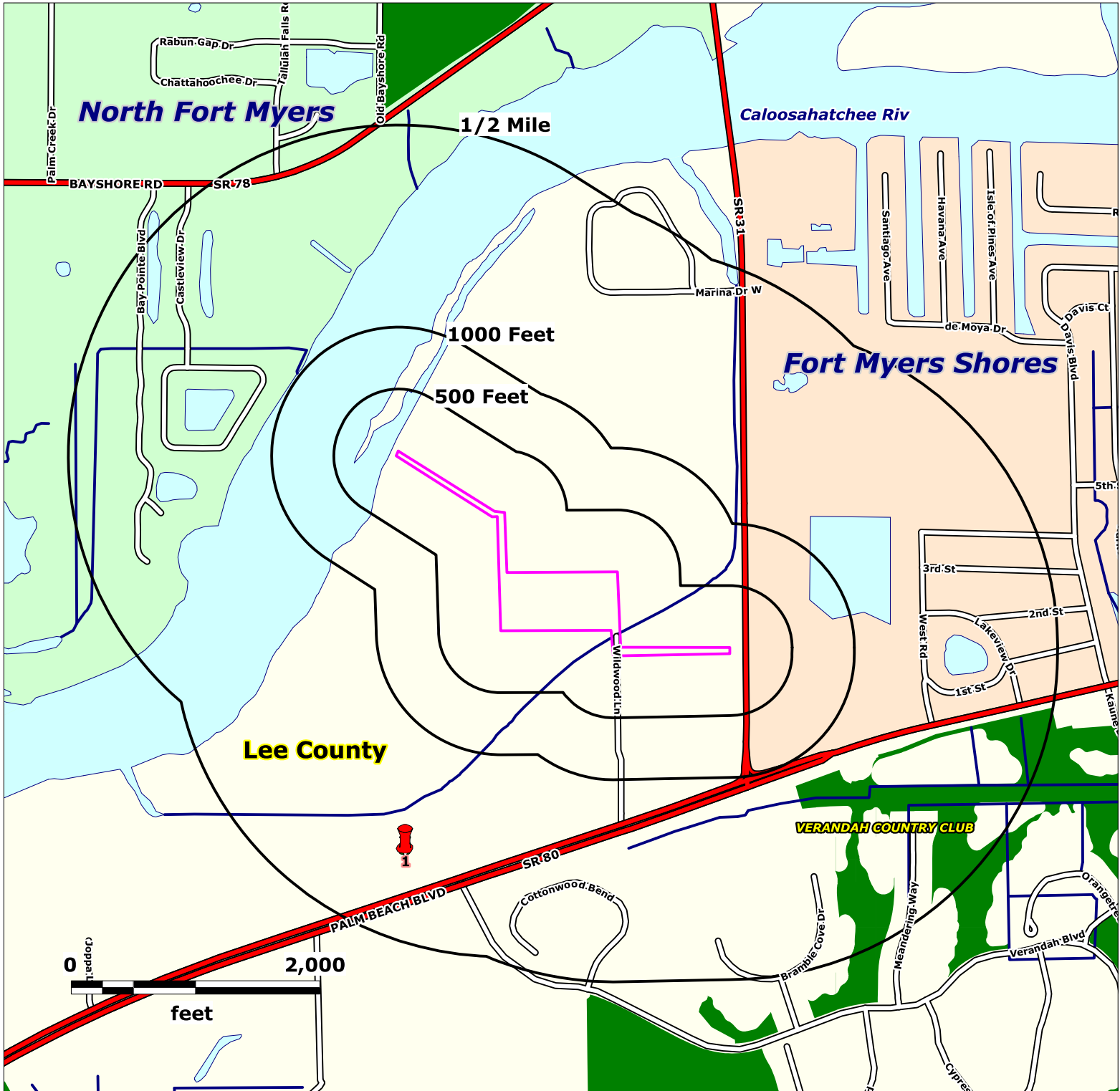
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Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023

Approximate Site Boundary



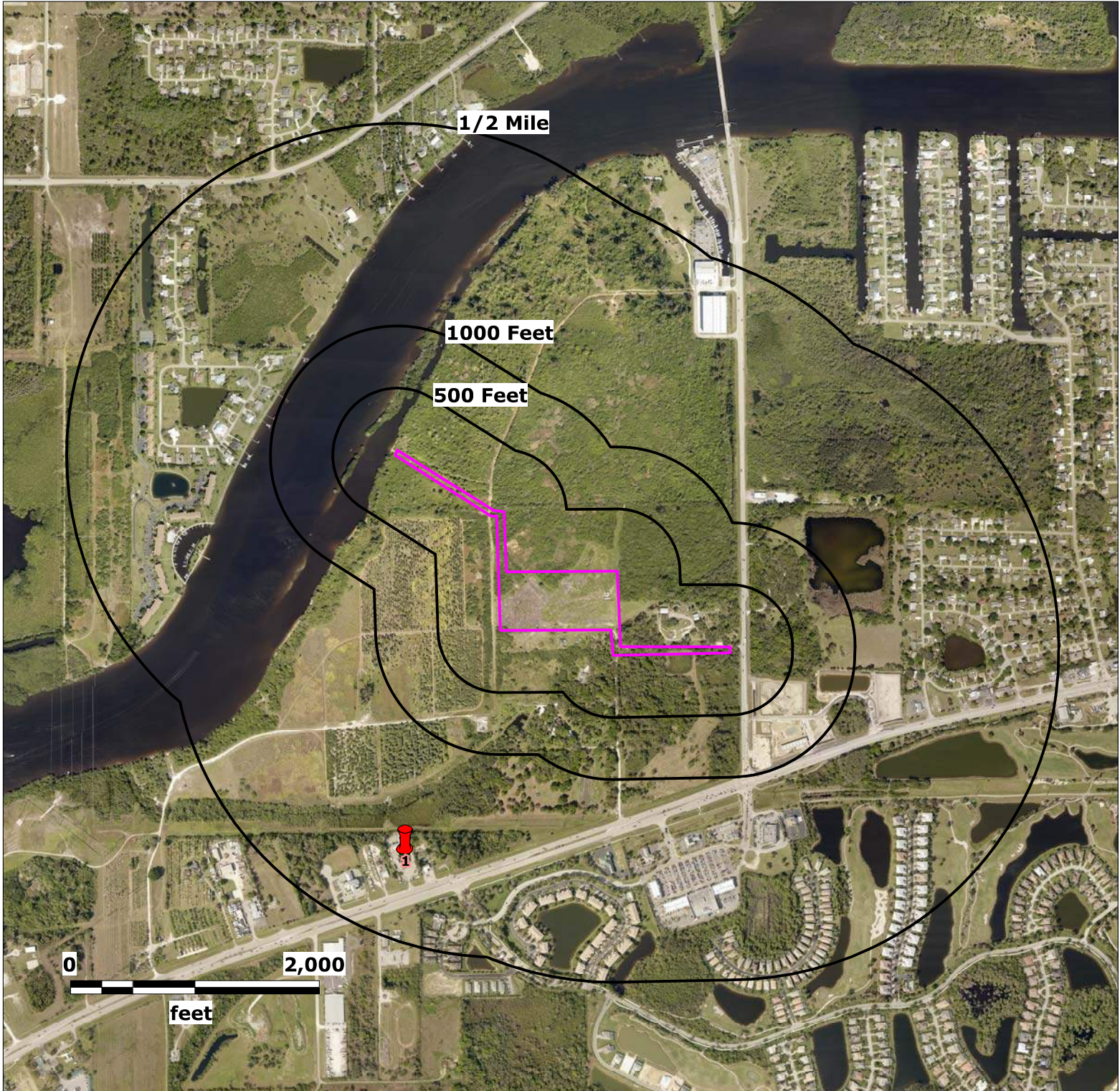
NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile



SLDWST_NLF sites - 1000 Feet



NPLLIENS, CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
Lon (DMS): -81 45' 58.4172"

EDM Job No: 26474
March 22, 2023

Approximate Site Boundary



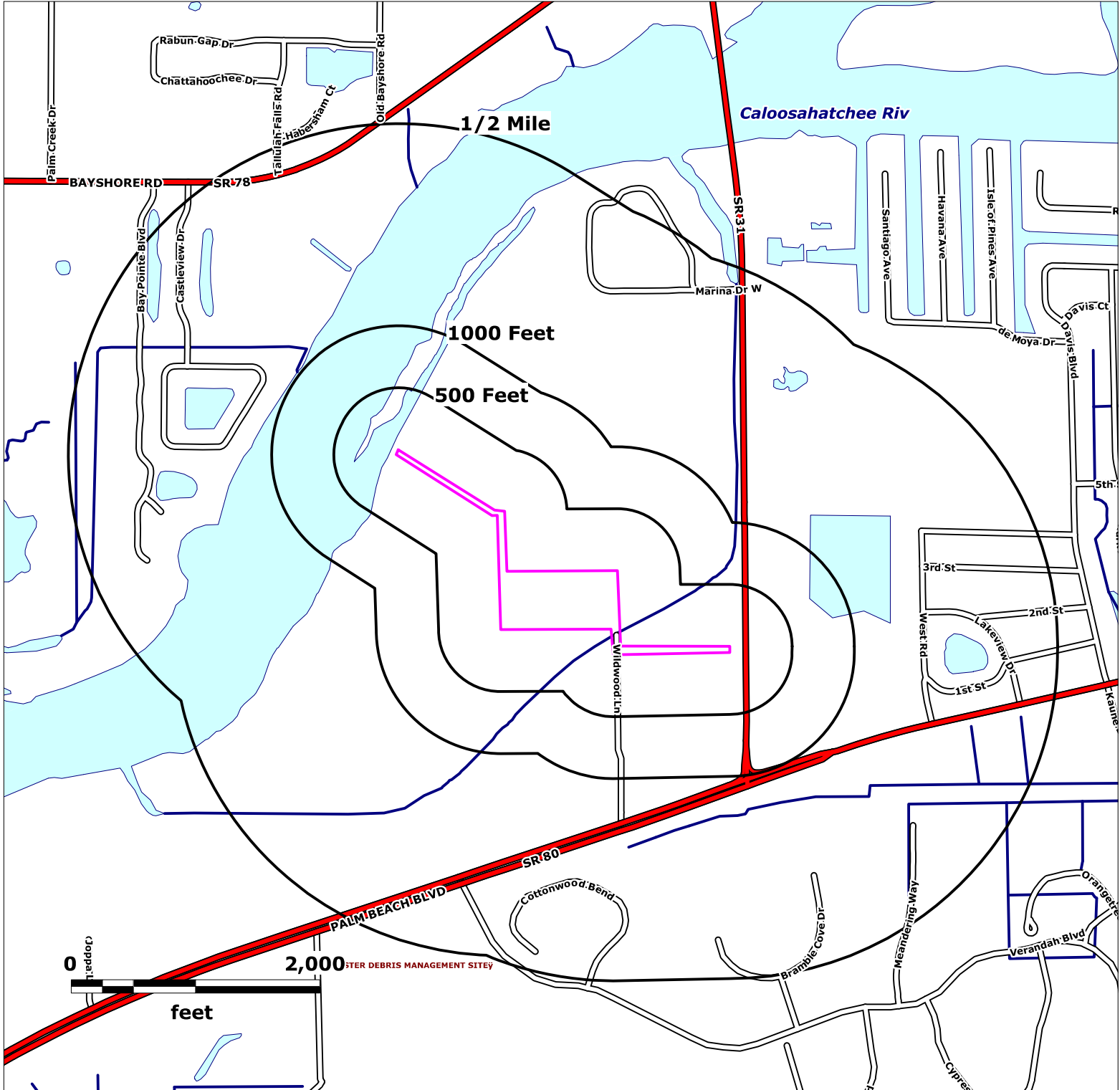
NPL, STNPL, CERCLIS, SEMSACTV, SEMSARCH and SLDWST_LF sites - 1/2 Mile



SLDWST_NLF sites - 1000 Feet



NPLLIENS, CORRACTS, NFRAP, STCERC, LUST, BRWNFLDS, VOLCLNUP, DRY, TANKS & INSTENG sites - 500 Feet



Source: FDEP and USEPA Geodata

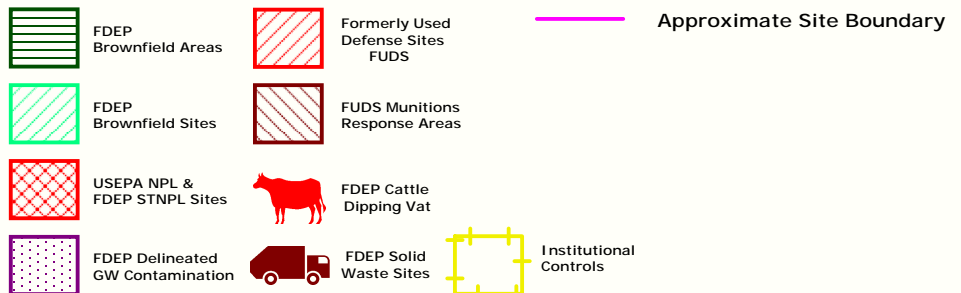
Map Scale and Property Boundaries are Approximate

Subject Property

SR 31
Lee County, Florida

Lat (DMS): 26 42' 23.8572"
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EDM Job No: 26474
March 22, 2023



ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research

Site Summary Table

Report Date: 3/22/2023

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1 SLDWST_LF	99249	2001	4.44	Lower	TIRE SERVICES OF FLORIDA	11480 Palm Beach Blvd // Fort Myers, FL 33905



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FDEP SOLID WASTE FACILITIES LIST LANDFILL SITES

(SLDWST_LF)

Report Date: 3/22/2023

SLDWST Page 1 of 1

FACILITY ID, NAME AND LOCATION:

99249 --HISTORICAL ENTRY--
TIRE SERVICES OF FLORIDA
11480 Palm Beach Blvd //
Fort Myers, FL 33905

DISTRICT
COUNTY LEE
SEC/TWN/RN //
AGENCY LAT:
AGENCY LON:

MAP ID NUMBER:

Dist (FEET): 2001.0
Direction:
Elev (Ft): 4.44
Elev vs Sub Prop: Lower

1

SLDWST

RESP AUTHORITY:

SITE CONTACT:

LAND OWNER:

FACILITY CLASS: 595/UNAUTHORIZED DISPOSAL/PROCESSING-COMPLAINT

CLASS STATUS: COMPLAINT UNDER INVESTIGATION(L)

[FDEP INFORMATION PORTAL ON LINE DOCUMENTS](#) (May Not Be Available For All Records)

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research Proximal Site Summary Table

This table includes mapped sites whose plotted coordinates fall just outside of the ASTM or client defined research distance but whose property boundaries may still extend into the search area. These sites are typically large commercial or industrial tracts that may merit inclusion in the evaluation process. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 3/22/2023

Page 1 of 1

MapID Prgm List	Fac ID No	Site Dist (ft)	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1A						
TANKS	9807804	1446	6.86	Higher	7-ELEVEN STORE #34892	11891 PALM BEACH BLVD FORT MYERS, FL 33905
2A						
STCERC	ERIC_11334	1058	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
VOLCLNUP	385529	1058	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
VOLCLNUP	ERIC_11334	1058	0.00	-	ACCIDENT SR 31 & PALM BEACH BLVD	SR 31 AND PALM BEACH BOULEVARD FORT MYERS, FL
3A						
TANKS	9817743	911	0.00	-	RACETRAC #2571	12050 PALM BCH BLVD FORT MYERS, FL 33905



ENVIRONMENTAL DATA MANAGEMENT

Custom Radius Research Non-Mapped Records Summary Table

This table is a listing of database records that have not been plotted within our mapping system. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 3/22/2023

Page 1 of 1

Prgm List Fac ID No	Site Name	Site Address
SLDWST_NLF 107466	TIRE RECYCLING SERVICES OF FL LLC	11821 PALM BEACH BLVD FORT MYERS, FL 33905



Agency List Descriptions

USEPA and State Databases are updated on a quarterly basis. Supplemental Databases are updated on an annual basis.

Florida Department of Environmental Protection (FDEP)

State Designated Brownfields(BRWNFLDS)

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 12/8/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/28/2022

Dry Cleaners List(DRY)

The FDEP Dry Cleaning Facilities List is comprised of data from the FDEP Storage Tank and Contamination Monitoring (STCM) database and the Drycleaning Solvent Cleanup Program- Priority Ranking List. It contains a listing of those Dry Cleaning sites (and suspected historical Dry Cleaning sites) who have registered with the FDEP and/or have applied for the Dry Cleaning Solvent Cleanup Program.

Agency File Date: 12/22/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/28/2022

Institutional and/or Engineering Controls(INSTENG)

The FDEP Institutional Controls Registry Database (INSTENG) contains sites that have had Institutional and/or Engineering Controls implemented to regulate exposure to environmental hazards

Agency File Date: 10/27/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

Leaking Underground Storage Tanks List(LUST)

The FDEP LUST list identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. This Report is generated from the FDEP Storage Tank and Contamination Monitoring Database (STCM).

Agency File Date: 11/1/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

Solid Waste Facilities List_Landfills(SLDWST_LF)

The SLDWST_LF list identifies locations that have conducted solid waste landfill activities as determined by the applicable FDEP Facility Classifications. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 12/28/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/29/2022

Solid Waste Facilities List_Non-Landfills(SLDWST_NLF)

The SLDWST_NLF list identifies locations that have conducted solid waste handling activities other than landfilling, as determined by the applicable FDEP Facility Classifications, such as Transfer Stations, Disaster Debris Staging Areas and sites handling Bio-Hazardous wastes. Sites listed with "##" after the Facility ID Number are historical locations, obtained from documents on record at local agencies.

Agency File Date: 12/28/2022

Received by EDM: 12/28/2022

EDM Database Updated: 12/29/2022

State CERCLIS/SEMS Equivalent(STCERC)

The STCERC list is compiled from the FDEP Site Investigation Section list, the Florida SITES list(historical) and the FDEP Cleanup Sites list. These sites are being assessed and/or cleaned up as a result of identified or suspected contamination from the release of hazardous substances. The FDEP Cleanup Sites list programs include: Brownfields, Petroleum, EPA Superfund (CERCLA), Drycleaning, Responsible Party Cleanup, State Funded Cleanup, State Owned Lands Cleanup and Hazardous Waste Cleanup.

Agency File Date: 8/19/2022

Received by EDM: 8/19/2022

EDM Database Updated: 8/19/2022

State NPL Equivalent(STNPL)

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 9/6/2022

Received by EDM: 10/4/2022

EDM Database Updated: 10/4/2022

Underground/Aboveground Storage Tanks(TANKS)

The FDEP TANKS list contains sites with registered aboveground and underground storage tanks containing regulated petroleum products.

Agency File Date: 2/6/2023

Received by EDM: 2/6/2023

EDM Database Updated: 2/10/2023

Voluntary Cleanup List(VOLCLNUP)

The VOLCLNUP List is derived from the FDEP Brownfields Site Rehabilitation Agreement (BSRA) database, the FDEP ERIC Waste Cleanup database and the FDEP Office of Waste Cleanup Responsible Party Sites database (not available as of June 2021). The VOLCLNUP List identifies sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity.

Agency File Date: 12/21/2022

Received by EDM: 12/29/2022

EDM Database Updated: 12/29/2022

United States Environmental Protection Agency (EPA)

Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)

The US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are proposed to be on the NPL, are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The CERCLIS database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 11/12/2013

Received by EDM: 2/18/2016

EDM Database Updated: 2/18/2016

RCRIS Handlers with Corrective Action(CORRACTS)

The US EPA Corrective Action Sites (CORRACTS) database is a listing of hazardous waste handlers that have undergone RCRA corrective action activity.

Agency File Date: 1/16/2023

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

Archived Cerclis Sites(NFRAP)

The US EPA NFRAP list contains archived data of CERCLIS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. NFRAP sites may be reviewed in the future to determine if they should be returned to CERCLIS based upon newly identified contamination problems at the site. The NFRAP database was retired in November of 2013 and has been replaced by the Superfund Enterprise Management System (SEMS).

Agency File Date: 10/25/2013

Received by EDM: 2/18/2016

EDM Database Updated: 2/18/2016

National Priorities List(NPL)

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL Report includes sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list. Previously, information for the NPL was managed under the CERCLIS data management system. In 2014 this system was replaced with the Superfund Enterprise Management System (SEMS). EPA last updated CERCLIS in November of 2013. EDM's NPL Report contains available SEMS data and the archived CERCLIS data relative to NPL sites.

Agency File Date: 2/27/2023

Received by EDM: 2/27/2023

EDM Database Updated: 2/28/2023

NPL Liens List(NPLLIENS)

The US EPA NPL Liens List identifies those sites where under authority granted by CERCLA, liens have been filed against real property in order to recover expenditures from remedial action or when the property owner receives a notice of potential liability.

Agency File Date: 2/21/2023

Received by EDM: 2/28/2023

EDM Database Updated: 2/28/2023

SEMS Active Site Inventory List(SEMSACTV)

The US EPA Superfund Enterprise Management System (SEMS) tracks potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. The SEMSACTV list contains sites that are on the National Priorities List (NPL) as well as sites that are proposed for or in the screening and assessment phase for possible inclusion on the NPL. SEMS has replaced the CERCLIS database, which was retired in November of 2013.

Agency File Date: 12/22/2022

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

SEMS Archived Site Inventory List(SEMSARCH)

The US EPA Superfund Enterprise Management System (SEMS), contains archived data of CERCLIS or SEMS records where the EPA has completed assessment activities and determined that no further steps to list the site on the NPL will be taken. These sites may be reviewed in the future to determine if they should be returned to SEMS based upon newly identified contamination problems at the site. SEMS has replaced the CERCLIS database, which was retired in November of 2013. The SEMSARCH database contains these newly archived records under the SEMS database management system.

Agency File Date: 12/22/2022

Received by EDM: 1/19/2023

EDM Database Updated: 1/19/2023

Tribal LUST List(TRIBLLUST)

EDM's Tribal LUST list is derived from the USEPA Region IV Tribal Tanks database by extracting those sites with indicators of past and/or current releases.

Agency File Date: 2/24/2010

Received by EDM: 3/9/2010

EDM Database Updated: 3/9/2010

Tribal Tanks List(TRIBLTANKS)

The USEPA Region IV Tribal Tanks database lists Active and Closed storage tank facilities on Native American lands.

Agency File Date: 2/24/2010

Received by EDM: 3/9/2010

EDM Database Updated: 3/9/2010

Brownfields Management System(USBRWNFLDS)

The US EPA Brownfields program provides information on environmentally distressed properties that have received Grants or Targeted funding for cleanup and redevelopment. Tribal Brownfield sites are included in the USBRWNFLDS database.

Agency File Date: 1/3/2023

Received by EDM: 1/3/2023

EDM Database Updated: 1/13/2023

Institutional and/or Engineering Controls(USINSTENG)

The USINSTENG list is compiled from data elements contained in the NPL, CORRACTS, USBRWNFLDS and RCRAInfo databases.

Agency File Date: 1/17/2023

Received by EDM: 1/17/2023

EDM Database Updated: 1/17/2023

Environmental Impact Areas

Brownfield Areas and Sites

The FDEP Brownfields database contains a listing of State Designated Brownfield Areas and Brownfield Sites. Brownfields are typically defined as abandoned, idled or underused industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Agency File Date: 8/12/2022

Received by EDM: 8/15/2022

EDM Database Updated: 8/15/2022

<https://floridadep.gov/waste/waste-cleanup/content/brownfields-program>

Cattle Dipping Vats

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

Some of the sites have been located and are currently under investigation. However, most of the listings are from old records of the State Livestock Board, which listed each vat as it was put into operation. In addition, some privately operated vats may have existed which were not listed by the Livestock Board. EDM's Cattle Dipping Vat sites are retrieved from the Voluntary Cleanup and STCERC databases. For additional information on Cattle Dipping Vats visit the FDEP and FDOH websites at:

Agency File Date: 10/31/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<https://floridadep.gov/waste/district-business-support/content/cattle-dipping-vats-cdv>

<http://www.floridahealth.gov/environmental-health/drinking-water/cattledipvathome.html>

Formerly Used Defense Sites

The DoD is responsible for the environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and operated under the jurisdiction of the Secretary of Defense prior to October 1986. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. For more information on the FUDS Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/29/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<http://www.usace.army.mil/Missions/Environmental/Formerly-Used-Defense-Sites/>

FUDS Munitions Response Sites

The DoD developed the Military Munitions Response Program (MMRP) in 2001 to address munitions-related concerns, including explosive safety, environmental, and health hazards from releases of unexploded ordnance (UXO), discarded military munitions (DDM), and munitions constituents (MC) found at locations, other than operational ranges, on active and Base Realignment and Closure (BRAC) installations and Formerly Used Defense Sites (FUDS) properties. The MMRP addresses non-operational range lands with suspected or known hazards from munitions and explosives of concern (MEC) which occurred prior to September 2002, but are not already included with an Installation Response Program (IRP) site cleanup activity. For more information on the FUDS MMRP Program, including maps and data on individual sites, visit the Army Corps of Engineers website at:

Agency File Date: 5/14/2018

Received by EDM: 1/25/2019

EDM Database Updated: 1/25/2019

<http://www.asaie.army.mil/Public/ESOH/mmrp.html>

Groundwater Contamination Areas

The Ground Water Contamination Areas GIS layer is a statewide map showing the boundaries of delineated areas of known groundwater contamination pursuant to Chapter 62-524, F.A.C., New Potable Water Well Permitting In Delineated Areas. 38 Florida counties have been delineated primarily for the agricultural pesticide ethylene dibromide (EDB), and to a much lesser extent, volatile organic and petroleum contaminants. This GIS layer represents approximately 427,897 acres in 38 counties in Florida that have been delineated for groundwater contamination. However, it does not represent all known sources of groundwater contamination for the state of Florida.

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

Agency File Date: 8/15/2022

Received by EDM: 8/15/2022

EDM Database Updated: 9/7/2022

<https://floridadep.gov/water/source-drinking-water/content/delineated-areas>

Institutional Controls

The FDEP Institutional Controls GIS layer is a statewide map showing the approximate boundaries of delineated areas where Institutional Controls are in place.

An institutional control provides for certain restrictions on a property. For example, a site may be cleaned up to satisfy commercial contamination target levels and an institutional control may be placed on that property indicating that it may only be used for commercial activities. If the owner of the property ever wanted to use that property for residential purposes, the owner would have to ensure that any contamination meets residential target levels.

The locational data for this layer is provided by the responsible party and reviewed by FDEP staff. Neither FDEP or EDM assumes responsibility for the accuracy of the boundary data.

Agency File Date: 10/27/2022

Received by EDM: 11/1/2022

EDM Database Updated: 11/1/2022

<https://ca.dep.state.fl.us/mapdirect/?webmap=cff8d21797184421ab4763d3e4a01e48>

National Priorities List

The US EPA National Priorities List (NPL) contains facilities and/or locations where environmental contamination has been confirmed and prioritized for cleanup activities under the Superfund Program. EDM's NPL site boundaries data include sites that are currently on the NPL as well as sites that have been Proposed, Withdrawn and/or Deleted from the list.

Agency File Date: 11/14/2018

Received by EDM: 12/10/2018

EDM Database Updated: 1/22/2019

<https://www.epa.gov/superfund/search-superfund-sites-where-you-live>

Solid Waste Facilities

The FDEP SLDWST list identifies locations that have been permitted to conduct solid waste handling activities.

Agency File Date: 8/15/2022

Received by EDM: 8/15/2022

EDM Database Updated: 8/15/2022

<https://floridadep.gov/waste>

State Funded Cleanup Sites

The FDEP State Funded Cleanup list contains facilities and/or locations where there are no viable responsible parties; the site poses an imminent hazard; and the site does not qualify for Superfund or is a low priority for EPA. Remedial efforts at these sites are currently being addressed through State funded cleanup action.

Agency File Date: 3/30/2021

Received by EDM: 3/31/2021

EDM Database Updated: 3/31/2021

<https://floridadep.gov/waste/waste-cleanup/documents/state-funded-cleanup-program-site-list>

APPENDIX E SITE PHOTOGRAPHS

Site Photographs



Site 2 – Pole Barn/Green House
North side of SR 80 looking northwest



Site 3 – First Bank
South side of SR 80 looking south



Site 3 – First Bank
Emergency generator with base tank (diesel fuel)



Site 4 – Verandah Cleaners
Parking lot looking west



Site 6 – 7-Eleven
South of SR 80 looking south



Site 7 – Okeechobee Inn Ltd Property
North of SR 80 looking southwest
Possible former gas station



Site 8 – RaceTrac
North of SR 80 looking northwest



Site 9 – Vicinity of spill/Accident SR 31 & Palm Beach Boulevard
North of SR 80 looking south



Site 10 – Superior Auto Care
SR 80 looking northwest



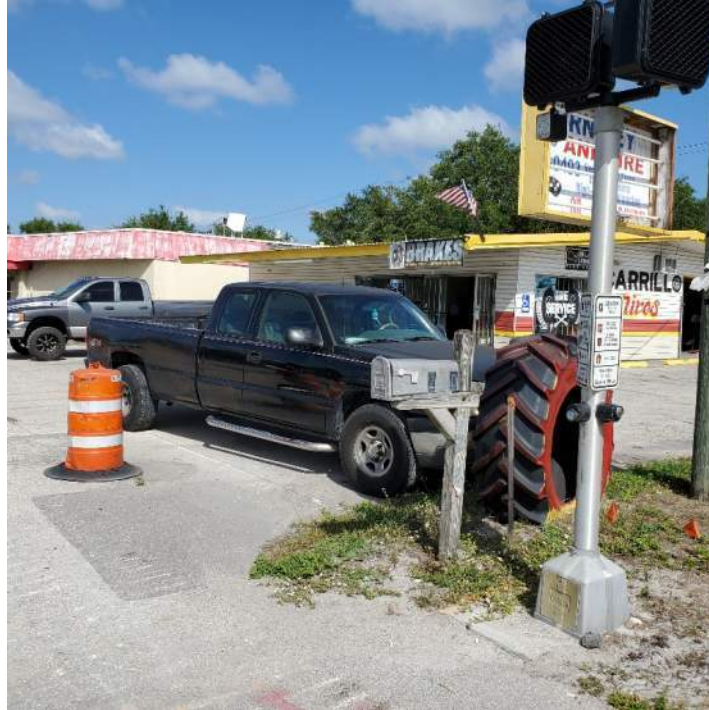
Site 11 – Redbone Spirits/Former Circle K gas station
SR 80 looking northwest



Site 13 – Fort Myers Shore Fire Department, Station 81
SR 80 looking south



Site 14 – Fox Plumbing
North of SR 80 looking northeast



Site 15 – Carrillo's Tires
North of SR 80 looking northwest



Site 16 – 7-Eleven/Mobil
North of SR 80 looking northeast



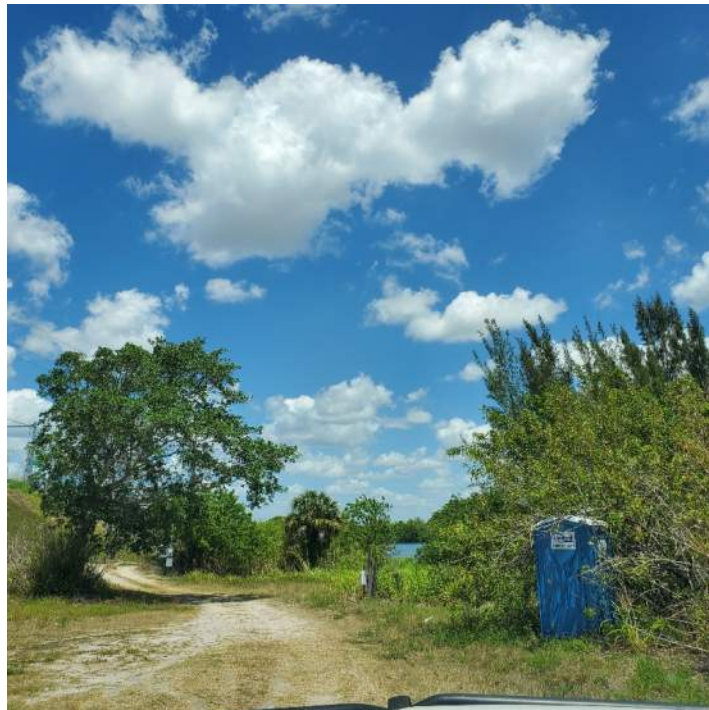
Site 17 – Johns Farm
East boundary looking west



Site 18 – LJ's Lounge
Southwest corner looking northeast



Site 19 – Sweetwater Landing
SR 31 looking west



Site 20 – David C. Brown Farms
Near west boundary looking north



Site 21 – Wilson Pigott Bridge
South side of river looking northwest
View of tender house



Pond E-1
Southeast corner looking north



Pond E-1
East boundary looking west



Pond E-1
Near east-central boundary looking west



Pond E-1 Southeast Easement
Wildwood Road looking east



Pond E-1 Southeast Easement
Near east boundary looking west

APPENDIX F SUPPLEMENTAL INFORMATION

SITE 9 – ACCIDENT SR 31 & PALM BEACH BLVD

11741 PALM BEACH BLVD



July 25, 2019

Florida Department of Environmental Protection
Office of Emergency Response
South District
2295 Victoria Avenue, Suite 364
Fort Myers, Florida

ATTN: Patricia Goense
Via E-mail: Patricia.Goense@FloridaDEP.Gov

Your File Number: 2019-31-63060
Our File Number: 91-8683
Insured: Xilef Trucking Corp
Environmental Claimant: State of Florida
Location of Loss: Fort Myers, Florida
Type of Loss: Release of Diesel Fuel and Hydraulic Fluid
Date of Loss: May 16, 2019

FIRST & FINAL ENVIRONMENTAL REPORT

ENCLOSURES:

1. Disposal Documentation
2. Analytical Report
3. Discharge Report Form
4. Source Removal Report
5. Pictures

LOCATION OF LOSS:

Construction Site
NW Corner of State Road 31 &
Palm Beach Boulevard
Ft. Myers, Florida

DATE OF LOSS:

Wednesday, May 15, 2019

//

Address Reply To:

3145 Avalon Ridge Place
Suite 300
Peachtree Corners, Georgia 30071
Direct: 678-466-3452
Fax: 770-209-8854

DESCRIPTION OF LOSS:

The insured vehicle was making a delivery of dirt to the construction site, while he was waiting the dirt road under his truck gave way resulting in his truck rolling over and releasing hydraulic fluid and diesel fuel into the soil and water.

SITE REMEDIATION:

The day of the accident, T. Disney Trucking contacted A-C-T Environmental and Infrastructure, (A-C-T) to respond to the scene and conduct cleanup activities.

As soon as Custard Insurance Adjusters Environmental Division was notified, we contacted A-C-T and was briefed on the activities conducted so far and what still needed to be completed.

A-C-T placed absorbent booms in the roadside ditch and utilized absorbent pads to collect the fuel and oil in the water. A vacuum truck was authorized and responded to the scene to assist in collecting the material from the surface of the water.

The impacted soil was excavated with hand tools and all impacted material was placed into 55-gallon drums to be transported for disposal. The crew also placed fresh absorbent booms and pads in the water and they will remain until the next significant rainfall event to capture any remaining fuel and oil that might be trapped in the vegetation.

We experienced a delay in disposal due to a language barrier with the responsible party. To minimize cost, we instructed A-C-T to off load the approximate 1500 gallons of petroleum impacted water into totes instead of leaving it in the vacuum truck. The totes were later transported to a proper disposal facility.

WASTE DISPOSAL:

All cleanup-generated waste was disposed of at a facility selected by A-C-T. Seven (7), drums of impacted absorbents were transported back to the A-C-T facility to be bulked with like waste streams for disposal. The six (6) poly totes of petroleum impacted water was transported to the Aqua Clean Environmental Company Inc. facility in Lakeland, Florida for disposal. Copies of the waste manifest are attached for your records.

REMARKS:

With submittal of this First and Final Environmental Report, with attachments, we confirm that our assignment is complete and we are closing our file.

Page 3
Hudson Insurance Group
Insured: Xilef Trucking Corp.
91-8683

If you have any questions or need any additional information, please do not hesitate to call or e-mail.

Regards,

Custard Insurance Adjusters, Inc.

A handwritten signature in black ink that reads "Joel D. Butler". The signature is written in a cursive style with a large, looping initial "J".

Joel D. Butler
Environmental Specialist
jbutler@custard.com

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone

4. Waste Tracking Number

800-225-0911

58600

5. Generator's Name and Mailing Address

**XILEF TRUCKING CORP
1010 NE 12TH TERRACE
CAPE CORAL, FL 33909**

Generator's Site Address (if different than mailing address)

**12002 PALM BEACH BLVD
FT MYERS, FL**

Generator's Phone: 305-219-6363

6. Transporter 1 Company Name

ACT ENVIRONMENTAL & INFRASTRUCTURE, INC.

U.S. EPA ID Number

FLR000011049

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**ACT ENVIRONMENTAL & INFRASTRUCTURE, INC.
1875 W MAIN STREET
BARTOW, FL 33830 USA**

U.S. EPA ID Number

FLR000011049

Facility's Phone: 853-533-2000

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. **NON HAZARDOUS MATERIAL - PETROLUEN IMPACTED
SORBENTS (PAD & BOOM)**

002

DM

250

P

13. Special Handling Instructions and Additional Information

APPROVAL #: 22286-L

ACT PROJECT #: 21396

TRUCK #: 94

CONTAINERS 21396-006+007

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

John Daugherty as agent

[Signature]

06 03 2019

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature for exports only:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

John Daugherty

[Signature]

06 03 2019

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Pam Aferoshoff

[Signature]

06 04 19

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

NIA

2. Page 1 of

1

3. Emergency Response Phone

800-226-0911

4. Waste Tracking Number

58564-2

5. Generator's Name and Mailing Address

XILEF TRUCKING CORP.
1010 NE 12TH TERRACE
CAPE CORAL, FL. 33909 305-219-6363

Generator's Site Address (if different than mailing address)

12002 PALM BEACH BLVD
FT. MYERS, FL

Generator's Phone:

6. Transporter 1 Company Name

ACT ENVIRONMENTAL AND INFRASTRUCTURE

U.S. EPA ID Number

FLR000011049

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

ACT ENVIRONMENTAL AND INFRASTRUCTURE
1875 W. MAIN ST
BARTOW, FL 33830 863-583-2000

U.S. EPA ID Number

FLR000011049

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total Quantity

12. Unit Wt./Vol.

1. NON HAZARDOUS

PETROLEUM IMPACTODS AND SORBENTS

002 DM 600 P

2. NON HAZARDOUS

PETROLEUM IMPACTODS SOL

003 DM 2400 P

3.

4.

13. Special Handling Instructions and Additional Information

Approval 22286-L

ACT PROJECT 21396

CONTAINERS 21396-001 to 005

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Austin Holt as agent

Signature

Austin Holt

Month Day Year
5 16 19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Austin Holt

Signature

Austin Holt

Month Day Year
5 16 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indicator Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Pamufershoff

Signature

Pamufershoff

Month Day Year
6 4 19

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

800-276-0911

58564-1

5. Generator's Name and Mailing Address

X:lat Teaching
1010 NE 12th Terrace
Cape Coral, FL 33909

Generator's Site Address (if different than mailing address)

12002 Palm Beach Blvd
Ft Myers FL

Generator's Phone

6. Transporter 1 Company Name

ACT ENVIRONMENTAL & INFRASTRUCTURE, INC.

U.S. EPA ID Number

FLR000011049

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

AQUA CLEAN ENVIRONMENTAL CO, INC.
3210 WHITTEN ROAD
LAKELAND, FL 33811 USA

U.S. EPA ID Number

Facility's Phone:

853-644-0555

9. Waste Shipping Name and Description

1. NON HAZARDOUS - PETROLEUM CONTACT WATER

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

006

TP

1500

13. Special Handling Instructions and Additional Information

APPROVAL #: 21395ACE

ACT PROJECT # 21395

PO#: 6312

TRUCK #: VEH0084

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offero's Printed/Typed Name

Austin Holt agent

Signature

Austin Holt

Month Day Year
5/16/19

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Larry Johnson

Signature

Larry Johnson

Month Day Year
5/16/19

Transporter 2 Printed/Typed Name

Signature

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

David M... 09

Signature

David M...

Month Day Year
6/5/19

TRANSPORTER #1



NELAP Certificate No. E86006



1460 West McNab Road
Fort Lauderdale, FL 33309
1-800-ANALYTE Phone
(954) 978-6400 Phone
(954) 978-2233 Fax

03 June 2019

Lab Work Order (COC): 19E0804

Pam Merashoff
American Compliance Technologies, Inc.
1875 West Main Street
Bartow, FL 33830

RE: Xilef Trucking

Project Location: Xilef Trucking

Dear Pam Merashoff:

This report details the analytical results of samples collected at the above-referenced project location as well as the results of any associated quality control samples. These samples were received by Florida Spectrum Environmental Services at **05/24/2019 09:30**.

All Analyses were performed according to the TNI/NELAP standard unless indicated by a "~" on the report.

Your samples will be retained by Florida Spectrum Environmental for a period of at least 30 days following sample receipt or until the longest of the preparation and/or analytical hold times expires, whichever is shorter. After that time, they will be properly disposed without further notice, unless there exists an explicit contractual agreement to the contrary. We reserve the right to return any unused samples, extracts, or related materials or solutions to you if we consider it necessary. Examples might include those samples identified as hazardous wastes, submissions where the sample sizes significantly exceed those required for analysis, samples containing controlled substances, etc.

We thank you for selecting Florida Spectrum Environmental to serve your analytical needs. Should you have any questions or require additional information regarding any of the information in this report, please feel free to contact us at any time. We appreciate the opportunity to be of service.

Florida Spectrum Environmental Inc.



Report To:
 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

Page 2 of 19
Report Printed: 6/3/2019
Work Order # 19E0804
Project: Xilef Trucking
 Xilef Trucking

DETECTED ANALYTE SUMMARY

Client Sample ID	Laboratory ID	Matrix	Analyte	Result	Units	Collection Date	Collection Time
22286-001	19E0804-01	Solid	2-Butanone (Methyl Ethy	0.338	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Benzene	0.0534	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Arsenic	1.40	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Chromium	4.86	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Lead	1.36	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	1,2,4-Trimethylbenzene	9.78	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Toluene	2.71	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	sec-Butyl Benzene	3.91	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	p-Isopropyltoluene	2.35	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	1,3,5-Trimethylbenzene	29.4	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Ethyl Benzene	4.70	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	m,p-Xylene	16.5	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Naphthalene	11.1	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	n-Butyl Benzene	10.7	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	n-Propyl Benzene	6.07	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	o-Xylene	8.15	mg/kg dry	5/21/2019	9:17
22286-001	19E0804-01	Solid	Isopropylbenzene	2.51	mg/kg dry	5/21/2019	9:17

Florida-Spectrum Environmental Services, Inc.
 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
 528 Gooch Rd.
 Fort Mead, FL 33841

Big Lake Laboratory
 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



Report To:
 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

Page 3 of 19
 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Lab ID: 19E0804-01
 Client Sample ID: 22286-001
 Matrix: Solid

Collection Date: 05/21/19 09:17
 Received Date: 05/24/19 09:30
 Collected By: Client

Laboratory Analysis Report

Parameter	Result	QC	Units	Dil	MDL	PQL	Method	Date Ext.	Date Analy.	Analyst
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Wet Chemistry

% Solids	82.8		% by Weight	1	0.100	0.300	SM2540G	05/30 10:07	05/30 10:07	DAB
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Metals by EPA 6000/7000 Series Methods

Arsenic	1.40		mg/kg dry	1	0.200	0.558	EPA 6010	05/28 09:00	05/28 13:06	IN
Cadmium	ND	U	mg/kg dry	1	0.0127	0.0558	EPA 6010	05/28 09:00	05/28 13:06	IN
Chromium	4.86		mg/kg dry	1	0.0501	0.279	EPA 6010	05/28 09:00	05/28 13:06	IN
Lead	1.36		mg/kg dry	1	0.105	0.558	EPA 6010	05/28 09:00	05/28 13:06	IN

Volatile Organic Compounds by EPA Method 8260

1,1,1,2-Tetrachloroethane	ND	Y, U	mg/kg dry	50	0.0190	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1,1-Trichloroethane	ND	Y, U	mg/kg dry	50	0.0142	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1,2,2-Tetrachloroethane	ND	Y, U	mg/kg dry	50	0.0180	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1,2-Trichloroethane	ND	Y, U	mg/kg dry	50	0.0186	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1-Dichloroethane	ND	Y, U	mg/kg dry	50	0.0154	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1-Dichloroethene	ND	Y, U	mg/kg dry	50	0.0283	0.0846	EPA 8260	05/31 10:30	05/31 14:16	JF
1,1-Dichloropropene	ND	Y, U	mg/kg dry	50	0.0217	0.0650	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2,3-Trichlorobenzene	ND	Y, U	mg/kg dry	50	0.0535	0.161	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2,3-Trichloropropane	ND	Y, U	mg/kg dry	50	0.0188	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2,4-Trichlorobenzene	ND	Y, U	mg/kg dry	50	0.0459	0.138	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2,4-Trimethylbenzene	9.78	J3, Y	mg/kg dry	500	0.232	0.693	EPA 8260	05/31 10:30	06/03 10:39	JF
1,2-Dibromo-3-chloropropane	ND	Y, U	mg/kg dry	50	0.0399	0.120	EPA 8260	05/31 10:30	05/31 14:16	JF

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 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



Report To:
 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

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 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Lab ID: 19E0804-01
 Client Sample ID: 22286-001
 Matrix: Solid

Collection Date: 05/21/19 09:17
 Received Date: 05/24/19 09:30
 Collected By: Client

Laboratory Analysis Report

Parameter	Result	QC	Units	Dil	MDL	PQL	Method	Date Ext.	Date Analy.	Analyst
Volatile Organic Compounds by EPA Method 8260										
1,2-Dibromoethane (EDB)	ND	Y, U	mg/kg dry	50	0.0155	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2-Dichlorobenzene	ND	Y, U	mg/kg dry	50	0.0327	0.0981	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2-Dichloroethane	ND	Y, U	mg/kg dry	50	0.0145	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,2-Dichloropropane	ND	Y, U	mg/kg dry	50	0.0161	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,3,5-Trimethylbenzene	29.4	J3, Y	mg/kg dry	500	0.217	0.650	EPA 8260	05/31 10:30	06/03 10:39	JF
1,3-Dichlorobenzene	ND	Y, U	mg/kg dry	50	0.0258	0.0773	EPA 8260	05/31 10:30	05/31 14:16	JF
1,3-Dichloropropane	ND	Y, U	mg/kg dry	50	0.0149	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
1,4-Dichlorobenzene	ND	Y, U	mg/kg dry	50	0.0292	0.0877	EPA 8260	05/31 10:30	05/31 14:16	JF
2,2-Dichloropropane	ND	Y, U	mg/kg dry	50	0.0143	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
2-Butanone (Methyl Ethyl Ketone)	0.338	YI	mg/kg dry	50	0.253	0.761	EPA 8260	05/31 10:30	05/31 14:16	JF
2-Chloroethylvinyl ether	ND	Y, U	mg/kg dry	50	0.117	0.350	EPA 8260	05/31 10:30	05/31 14:16	JF
2-Chlorotoluene	ND	J3, Y, U	mg/kg dry	50	0.0177	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
2-Hexanone	ND	Y, U	mg/kg dry	50	0.101	0.307	EPA 8260	05/31 10:30	05/31 14:16	JF
4-Chlorotoluene	ND	J3, Y, U	mg/kg dry	50	0.0204	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
4-Methyl-2-pentanone	ND	Y, U	mg/kg dry	50	0.0840	0.307	EPA 8260	05/31 10:30	05/31 14:16	JF
Acetone	ND	Y, U	mg/kg dry	50	0.149	0.448	EPA 8260	05/31 10:30	05/31 14:16	JF
Acrolein	ND	Y, U	mg/kg dry	50	0.247	0.742	EPA 8260	05/31 10:30	05/31 14:16	JF
Acrylonitrile	ND	Y, U	mg/kg dry	50	0.0204	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Benzene	0.0534	YI	mg/kg dry	50	0.0172	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Bromobenzene	ND	Y, U	mg/kg dry	50	0.0141	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Bromochloromethane	ND	Y, U	mg/kg dry	50	0.0185	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF

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 528 Gooch Rd.
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 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



Report To:
Pam Merashoff
American Compliance Technologies, Inc.
1875 West Main Street
Bartow FL, 33830

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Report Printed: 6/3/2019
Work Order # 19E0804
Project: Xilef Trucking
Xilef Trucking

Lab ID: 19E0804-01
Client Sample ID: 22286-001
Matrix: Solid

Collection Date: 05/21/19 09:17
Received Date: 05/24/19 09:30
Collected By: Client

Laboratory Analysis Report

Parameter	Result	QC	Units	Dil	MDL	PQL	Method	Date Ext.	Date Analy.	Analyst
Volatile Organic Compounds by EPA Method 8260										
Bromodichloromethane	ND	Y, U	mg/kg dry	50	0.0194	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Bromoform	ND	Y, U	mg/kg dry	50	0.0331	0.0994	EPA 8260	05/31 10:30	05/31 14:16	JF
Bromomethane	ND	Y, U	mg/kg dry	50	0.0431	0.129	EPA 8260	05/31 10:30	05/31 14:16	JF
Carbon Tetrachloride	ND	Y, U	mg/kg dry	50	0.0154	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Chlorobenzene	ND	Y, U	mg/kg dry	50	0.0139	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Chloroethane	ND	J3, Y, U	mg/kg dry	50	0.0247	0.0742	EPA 8260	05/31 10:30	05/31 14:16	JF
Chloroform	ND	Y, U	mg/kg dry	50	0.0308	0.0926	EPA 8260	05/31 10:30	05/31 14:16	JF
Chloromethane	ND	J3, Y, U	mg/kg dry	50	0.0244	0.0730	EPA 8260	05/31 10:30	05/31 14:16	JF
cis-1,2-Dichloroethene	ND	Y, U	mg/kg dry	50	0.0146	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
cis-1,3-Dichloropropene	ND	Y, U	mg/kg dry	50	0.0164	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Dibromochloromethane	ND	Y, U	mg/kg dry	50	0.0252	0.0754	EPA 8260	05/31 10:30	05/31 14:16	JF
Dibromomethane	ND	Y, U	mg/kg dry	50	0.0186	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Dichlorodifluoromethane	ND	Y, U	mg/kg dry	50	0.0400	0.120	EPA 8260	05/31 10:30	05/31 14:16	JF
Ethyl Benzene	4.70	Y	mg/kg dry	500	0.189	0.613	EPA 8260	05/31 10:30	06/03 10:39	JF
Hexachlorobutadiene	ND	Y, U	mg/kg dry	50	0.0269	0.0810	EPA 8260	05/31 10:30	05/31 14:16	JF
Isopropylbenzene	2.51	Y	mg/kg dry	50	0.0235	0.0705	EPA 8260	05/31 10:30	05/31 14:16	JF
m,p-Xylene	16.5	J3, Y	mg/kg dry	500	0.434	1.30	EPA 8260	05/31 10:30	06/03 10:39	JF
Methyl tert-Butyl Ether	ND	Y, U	mg/kg dry	50	0.0288	0.0865	EPA 8260	05/31 10:30	05/31 14:16	JF
Methylene Chloride	ND	Y, U	mg/kg dry	50	0.194	0.583	EPA 8260	05/31 10:30	05/31 14:16	JF
Naphthalene	11.1	J3, Y	mg/kg dry	500	0.662	1.99	EPA 8260	05/31 10:30	06/03 10:39	JF
n-Butyl Benzene	10.7	J3, Y	mg/kg dry	500	0.296	0.889	EPA 8260	05/31 10:30	06/03 10:39	JF

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1460 W. McNab Road, Fort Lauderdale, FL 33309

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528 Gooch Rd.
Fort Mead, FL 33841

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610 Parrot Ave. N.
Okeechobee, FL 34972

Lakeland Laboratory
1910 Harden Blvd.
Lakeland, FL 33803

Savannah Laboratory
108 Airport Park Dr.
Garden City, GA 31408



Report To:
 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

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 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Lab ID: 19E0804-01
 Client Sample ID: 22286-001
 Matrix: Solid

Collection Date: 05/21/19 09:17
 Received Date: 05/24/19 09:30
 Collected By: Client

Laboratory Analysis Report

Parameter	Result	QC	Units	Dil	MDL	PQL	Method	Date Ext.	Date Analy.	Analyst
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Volatile Organic Compounds by EPA Method 8260

n-Propyl Benzene	6.07	J3, Y	mg/kg dry	500	0.217	0.650	EPA 8260	05/31 10:30	06/03 10:39	JF
o-Xylene	8.15	J3, Y	mg/kg dry	500	0.204	0.613	EPA 8260	05/31 10:30	06/03 10:39	JF
Pentachloroethane	ND	J3, Y, U	mg/kg dry	50	0.0310	0.0932	EPA 8260	05/31 10:30	05/31 14:16	JF
p-Isopropyltoluene	2.35	Y	mg/kg dry	50	0.0239	0.0718	EPA 8260	05/31 10:30	05/31 14:16	JF
sec-Butyl Benzene	3.91	Y	mg/kg dry	50	0.00228	0.0681	EPA 8260	05/31 10:30	05/31 14:16	JF
Styrene	ND	Y, U	mg/kg dry	50	0.0237	0.0712	EPA 8260	05/31 10:30	05/31 14:16	JF
tert-Butylbenzene	ND	Y, J3, U	mg/kg dry	50	0.0221	0.0662	EPA 8260	05/31 10:30	05/31 14:16	JF
Tetrachloroethene	ND	Y, U	mg/kg dry	50	0.0233	0.0699	EPA 8260	05/31 10:30	05/31 14:16	JF
Toluene	2.71	Y	mg/kg dry	50	0.0159	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
trans-1,2-Dichloroethene	ND	Y, U	mg/kg dry	50	0.0205	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
trans-1,3-Dichloropropene	ND	Y, U	mg/kg dry	50	0.0200	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Trichloroethene	ND	Y, U	mg/kg dry	50	0.0207	0.0620	EPA 8260	05/31 10:30	05/31 14:16	JF
Trichlorofluoromethane	ND	Y, U	mg/kg dry	50	0.0183	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF
Vinyl chloride	ND	Y, U	mg/kg dry	50	0.0191	0.0613	EPA 8260	05/31 10:30	05/31 14:16	JF

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 528 Gooch Rd.
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 610 Parrot Ave. N.
 Okeechobee, FL 34972

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 1910 Harden Blvd.
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 Garden City, GA 31408



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 American Compliance Technologies, Inc.
 1875 West Main Street
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Report Printed: 6/3/2019
Work Order # 19E0804
Project: Xilef Trucking
 Xilef Trucking

Wet Chemistry - Quality Control										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0835 - Default Prep GenChem										
LCS (19E0835-BS1)										
					Prepared & Analyzed: 05/30/2019					
% Solids	31.8	0.300	% by Weight	30.00		106	80-120			
Duplicate (19E0835-DUP1)										
					Source: 19E0804-01 Prepared & Analyzed: 05/30/2019					
% Solids	90.6	0.300	% by Weight		82.8			8.97	20	

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 528 Gooch Rd.
 Fort Mead, FL 33841

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 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
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 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0094 - EPA 3050B										
Blank (19E0094-BLK1) Prepared & Analyzed: 05/28/2019										
Cadmium	ND	0.0500	mg/kg wet							U
Chromium	ND	0.250	"							U
Lead	ND	0.500	"							U
Arsenic	ND	0.500	"							U
LCS (19E0094-BS1) Prepared & Analyzed: 05/28/2019										
Arsenic	26.6	0.500	mg/kg wet	25.00		106	80-120			
Cadmium	25.9	0.0500	"	25.00		104	80-120			
Chromium	26.1	0.250	"	25.00		104	80-120			
Lead	25.4	0.500	"	25.00		102	80-120			
Matrix Spike (19E0094-MS1) Source: 19E0804-01 Prepared & Analyzed: 05/28/2019										
Cadmium	26.6	0.0558	mg/kg dry	27.91	ND	95.3	75-125			
Chromium	31.1	0.279	"	27.91	4.86	93.9	75-125			
Lead	25.5	0.558	"	27.91	1.36	86.5	75-125			
Arsenic	28.5	0.558	"	27.91	1.40	97.2	75-125			
Matrix Spike Dup (19E0094-MSD1) Source: 19E0804-01 Prepared & Analyzed: 05/28/2019										
Arsenic	28.1	0.558	mg/kg dry	27.91	1.40	95.7	75-125	1.54	20	
Cadmium	26.1	0.0558	"	27.91	ND	93.6	75-125	1.74	20	
Chromium	30.6	0.279	"	27.91	4.86	92.2	75-125	1.54	20	
Lead	25.1	0.558	"	27.91	1.36	84.9	75-125	1.74	20	

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 528 Gooch Rd.
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 Okeechobee, FL 34972

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 1910 Harden Blvd.
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Savannah Laboratory
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 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Blank (19E0877-BLK1)										
Prepared & Analyzed: 05/31/2019										
1,1,1,2-Tetrachloroethane	ND	0.000933	mg/kg wet							U
1,1,1-Trichloroethane	ND	0.000933	"							U
1,1,2,2-Tetrachloroethane	ND	0.000933	"							U
1,1,2-Trichloroethane	ND	0.000933	"							U
1,1-Dichloroethane	ND	0.000933	"							U
1,1-Dichloroethene	ND	0.00129	"							U
1,1-Dichloropropene	ND	0.000989	"							U
1,2,3-Trichlorobenzene	ND	0.00244	"							U
1,2,3-Trichloropropane	ND	0.000933	"							U
1,2,4-Trichlorobenzene	ND	0.00210	"							U
1,2,4-Trimethylbenzene	ND	0.00105	"							U
1,2-Dibromo-3-chloropropane	ND	0.00182	"							U
1,2-Dibromoethane (EDB)	ND	0.000933	"							U
1,2-Dichlorobenzene	ND	0.00149	"							U
1,2-Dichloroethane	ND	0.000933	"							U
1,2-Dichloropropane	ND	0.000933	"							U
1,3,5-Trimethylbenzene	ND	0.000989	"							U
1,3-Dichlorobenzene	ND	0.00118	"							U
1,3-Dichloropropane	ND	0.000933	"							U
1,4-Dichlorobenzene	ND	0.00133	"							U
2,2-Dichloropropane	ND	0.000933	"							U
2-Butanone (Methyl Ethyl Ketone)	ND	0.0116	"							U
2-Chloroethylvinyl ether	ND	0.00532	"							U
2-Chlorotoluene	ND	0.000933	"							U
2-Hexanone	ND	0.00466	"							U
4-Chlorotoluene	ND	0.000933	"							U
4-Methyl-2-pentanone	ND	0.00466	"							U
Acetone	ND	0.00681	"							U
Acrolein	ND	0.0113	"							U
Acrylonitrile	ND	0.000933	"							U
Benzene	ND	0.000933	"							U

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 Okeechobee, FL 34972

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Work Order # 19E0804
Project: Xilef Trucking
 Xilef Trucking

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Blank (19E0877-BLK1)										
Prepared & Analyzed: 05/31/2019										
Bromobenzene	ND	0.000933	mg/kg wet							U
Bromochloromethane	ND	0.000933	"							U
Bromodichloromethane	ND	0.000933	"							U
Bromoform	ND	0.00151	"							U
Bromomethane	ND	0.00197	"							U
Carbon Tetrachloride	ND	0.000933	"							U
Chlorobenzene	ND	0.000933	"							U
Chloroethane	ND	0.00113	"							U
Chloroform	ND	0.00141	"							U
Chloromethane	ND	0.00111	"							U
cis-1,2-Dichloroethene	ND	0.000933	"							U
cis-1,3-Dichloropropene	ND	0.000933	"							U
Dibromochloromethane	ND	0.00115	"							U
Dibromomethane	ND	0.000933	"							U
Dichlorodifluoromethane	ND	0.00183	"							U
Ethyl Benzene	ND	0.000933	"							U
Hexachlorobutadiene	ND	0.00123	"							U
Isopropylbenzene	ND	0.00107	"							U
m,p-Xylene	ND	0.00198	"							U
Methyl tert-Butyl Ether	ND	0.00132	"							U
Methylene Chloride	ND	0.00886	"							U
Naphthalene	ND	0.00302	"							U
n-Butyl Benzene	ND	0.00135	"							U
n-Propyl Benzene	ND	0.000989	"							U
o-Xylene	ND	0.000933	"							U
p-Isopropyltoluene	ND	0.00109	"							U
sec-Butyl Benzene	ND	0.00104	"							U
Styrene	ND	0.00108	"							U
tert-Butylbenzene	ND	0.00101	"							U
Tetrachloroethene	ND	0.00106	"							U
Toluene	ND	0.000933	"							U

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 1460 W. McNab Road, Fort Lauderdale, FL 33309

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 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Blank (19E0877-BLK1) Prepared & Analyzed: 05/31/2019										
trans-1,2-Dichloroethene	ND	0.000933	mg/kg wet							U
trans-1,3-Dichloropropene	ND	0.000933	"							U
Trichloroethene	ND	0.000942	"							U
Trichlorofluoromethane	ND	0.000933	"							U
Vinyl chloride	ND	0.000933	"							U
Pentachloroethane	ND	0.00142	"							U
LCS (19E0877-BS1) Prepared & Analyzed: 05/31/2019										
1,1,1,2-Tetrachloroethane	0.0149	0.000963	mg/kg wet	0.01927		77.4	62-141			
1,1,1-Trichloroethane	0.0183	0.000963	"	0.01927		95.0	59-145			
1,1,2,2-Tetrachloroethane	0.0151	0.000963	"	0.01927		78.4	67-133			
1,1,2-Trichloroethane	0.0166	0.000963	"	0.01927		86.4	68-126			
1,1-Dichloroethane	0.0169	0.000963	"	0.01927		87.8	53-139			
1,1-Dichloroethene	0.0192	0.00133	"	0.01927		99.6	46-157			
1,1-Dichloropropene	0.0164	0.00102	"	0.01927		85.2	57-144			
1,2,3-Trichlorobenzene	0.0129	0.00252	"	0.01927		66.9	62-131			
1,2,3-Trichloropropane	0.0146	0.000963	"	0.01927		75.6	66-131			
1,2,4-Trichlorobenzene	0.0117	0.00217	"	0.01927		60.6	55-137			
1,2,4-Trimethylbenzene	0.0164	0.00109	"	0.01927		85.3	66-135			
1,2-Dibromo-3-chloropropane	0.0160	0.00188	"	0.01927		83.0	57-130			
1,2-Dibromoethane (EDB)	0.0165	0.000963	"	0.01927		85.9	63-131			
1,2-Dichlorobenzene	0.0176	0.00154	"	0.01927		91.2	62-134			
1,2-Dichloroethane	0.0174	0.000963	"	0.01927		90.0	64-131			
1,2-Dichloropropane	0.0176	0.000963	"	0.01927		91.2	66-127			
1,3,5-Trimethylbenzene	0.0162	0.00102	"	0.01927		84.3	64-139			
1,3-Dichlorobenzene	0.0160	0.00121	"	0.01927		82.8	59-139			
1,3-Dichloropropane	0.0149	0.000963	"	0.01927		77.5	63-130			
1,4-Dichlorobenzene	0.0159	0.00138	"	0.01927		82.3	55-139			
2,2-Dichloropropane	0.0190	0.000963	"	0.01927		98.6	51-153			
2-Butanone (Methyl Ethyl Ketone)	0.0783	0.0119	"	0.09634		81.3	22-166			
2-Chloroethylvinyl ether	0.0156	0.00549	"	0.09634		16.2	10-190			
2-Chlorotoluene	0.0159	0.000963	"	0.01927		82.7	58-137			

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 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
 528 Gooch Rd.
 Fort Mead, FL 33841

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 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



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 Pam Merashoff
 American Compliance Technologies, Inc.
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 Bartow FL, 33830

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 Xilef Trucking

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
LCS (19E0877-BS1)										
Prepared & Analyzed: 05/31/2019										
2-Hexanone	0.0916	0.00482	mg/kg wet	0.09634		95.1	10-190			
4-Chlorotoluene	0.0163	0.000963	"	0.01927		84.8	54-144			
4-Methyl-2-pentanone	0.0929	0.00482	"	0.09634		96.4	63-134			
Acetone	0.107	0.00703	"	0.09634		111	43-164			
Acrolein	0.0770	0.0117	"	0.09634		79.9	60-148			
Acrylonitrile	0.0165	0.000963	"	0.01927		85.6	64-139			
Benzene	0.0163	0.000963	"	0.01927		84.5	62-139			
Bromobenzene	0.0156	0.000963	"	0.01927		80.8	59-131			
Bromochloromethane	0.0170	0.000963	"	0.01927		88.3	65-139			
Bromodichloromethane	0.0188	0.000963	"	0.01927		97.8	63-137			
Bromoform	0.0145	0.00156	"	0.01927		75.3	61-136			
Bromomethane	0.0311	0.00203	"	0.01927		161	16-179			
Carbon Tetrachloride	0.0181	0.000963	"	0.01927		94.0	56-154			
Chlorobenzene	0.0152	0.000963	"	0.01927		79.0	59-134			
Chloroethane	0.0172	0.00117	"	0.01927		89.3	47-153			
Chloroform	0.0168	0.00145	"	0.01927		87.4	63-135			
Chloromethane	0.0113	0.00115	"	0.01927		58.7	39-149			
cis-1,2-Dichloroethene	0.0160	0.000963	"	0.01927		83.1	59-138			
cis-1,3-Dichloropropene	0.0176	0.000963	"	0.01927		91.5	57-138			
Dibromochloromethane	0.0153	0.00118	"	0.01927		79.3	64-130			
Dibromomethane	0.0181	0.000963	"	0.01927		94.1	67-132			
Dichlorodifluoromethane	0.0185	0.00189	"	0.01927		96.2	13-186			
Ethyl Benzene	0.0175	0.000963	"	0.01927		90.8	65-133			
Hexachlorobutadiene	0.0162	0.00127	"	0.01927		84.0	46-155			
Isopropylbenzene	0.0182	0.00111	"	0.01927		94.5	63-135			
m,p-Xylene	0.0342	0.00204	"	0.03854		88.7	67-138			
Methyl tert-Butyl Ether	0.0194	0.00136	"	0.01927		100	56-147			
Methylene Chloride	0.0198	0.00915	"	0.01927		103	10-190			
Naphthalene	0.0114	0.00312	"	0.01927		59.4	58-147			
n-Butyl Benzene	0.0184	0.00140	"	0.01927		95.6	64-135			
n-Propyl Benzene	0.0174	0.00102	"	0.01927		90.5	62-137			
o-Xylene	0.0165	0.000963	"	0.01927		85.7	58-140			

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 Fort Mead, FL 33841

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 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



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 Pam Merashoff
 American Compliance Technologies, Inc.
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 Bartow FL, 33830

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Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
LCS (19E0877-BS1)										
						Prepared & Analyzed: 05/31/2019				
p-Isopropyltoluene	0.0169	0.00113	"	0.01927		87.7	63-135			
sec-Butyl Benzene	0.0174	0.00107	"	0.01927		90.5	63-135			
Styrene	0.0150	0.00112	"	0.01927		78.0	69-132			
tert-Butylbenzene	0.0181	0.00104	"	0.01927		94.0	63-136			
Tetrachloroethene	0.0153	0.00110	"	0.01927		79.2	67-135			
Toluene	0.0180	0.000963	"	0.01927		93.4	65-130			
trans-1,2-Dichloroethene	0.0180	0.000963	"	0.01927		93.6	54-143			
trans-1,3-Dichloropropene	0.0168	0.000963	"	0.01927		87.2	57-136			
Trichloroethene	0.0183	0.000973	"	0.01927		95.0	56-139			
Trichlorofluoromethane	0.0205	0.000963	"	0.01927		107	45-171			
Vinyl chloride	0.0188	0.000963	"	0.01927		97.8	42-154			
Pentachloroethane	0.0148	0.00146	"	0.01927		76.8	10-190			
Matrix Spike (19E0877-MS1)										
						Source: 19E0804-01 Prepared & Analyzed: 05/31/2019				
1,1,1,2-Tetrachloroethane	0.802	0.0613	mg/kg dry	1.227	ND	65.3	22-152			
1,1,1-Trichloroethane	0.810	0.0613	"	1.227	ND	66.0	29-159			
1,1,2,2-Tetrachloroethane	0.894	0.0613	"	1.227	ND	72.9	10-181			
1,1,2-Trichloroethane	1.00	0.0613	"	1.227	ND	81.6	21-153			
1,1-Dichloroethane	0.981	0.0613	"	1.227	ND	80.0	43-140			
1,1-Dichloroethene	1.06	0.0846	"	1.227	ND	86.7	23-173			
1,1-Dichloropropene	0.939	0.0650	"	1.227	ND	76.5	27-154			
1,2,3-Trichlorobenzene	1.32	0.161	"	1.227	ND	108	10-171			
1,2,3-Trichloropropane	0.929	0.0613	"	1.227	ND	75.7	15-155			
1,2,4-Trichlorobenzene	1.39	0.138	"	1.227	ND	113	10-173			
1,2,4-Trimethylbenzene	14.6	0.0693	"	1.227	9.78	389	10-154			J3
1,2-Dibromo-3-chloropropane	0.948	0.120	"	1.227	ND	77.2	10-151			
1,2-Dibromoethane (EDB)	1.05	0.0613	"	1.227	ND	85.5	13-160			
1,2-Dichlorobenzene	0.982	0.0981	"	1.227	ND	80.0	10-164			
1,2-Dichloroethane	0.932	0.0613	"	1.227	ND	76.0	35-154			
1,2-Dichloropropane	1.10	0.0613	"	1.227	ND	89.9	37-139			
1,3,5-Trimethylbenzene	8.28	0.0650	"	1.227	29.4	NR	10-150			J3
1,3-Dichlorobenzene	0.946	0.0773	"	1.227	ND	77.1	10-163			

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 1460 W. McNab Road, Fort Lauderdale, FL 33309

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 Fort Mead, FL 33841

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 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



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 Bartow FL, 33830

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Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Matrix Spike (19E0877-MS1)		Source: 19E0804-01			Prepared & Analyzed: 05/31/2019					
1,3-Dichloropropane	0.891	0.0613	mg/kg dry	1.227	ND	72.6	32-144			
1,4-Dichlorobenzene	0.900	0.0877	"	1.227	ND	73.4	10-160			
2,2-Dichloropropane	1.02	0.0613	"	1.227	ND	82.7	25-161			
2-Butanone (Methyl Ethyl Ketone)	5.27	0.761	"	6.134	0.338	80.4	10-190			
2-Chloroethylvinyl ether	2.01	0.350	"	6.134	ND	32.8	10-190			
2-Chlorotoluene	6.41	0.0613	"	1.227	ND	523	10-147			J3
2-Hexanone	8.20	0.307	"	6.134	ND	134	10-159			
4-Chlorotoluene	6.32	0.0613	"	1.227	ND	515	10-190			J3
4-Methyl-2-pentanone	6.25	0.307	"	6.134	ND	102	10-163			
Acetone	6.63	0.448	"	6.134	ND	108	10-190			
Acrolein	4.29	0.742	"	6.134	ND	70.0	18-176			
Acrylonitrile	1.26	0.0613	"	1.227	ND	102	16-155			
Benzene	0.989	0.0613	"	1.227	0.0534	76.3	28-158			
Bromobenzene	1.03	0.0613	"	1.227	ND	83.7	10-151			
Bromochloromethane	0.880	0.0613	"	1.227	ND	71.7	39-156			
Bromodichloromethane	1.07	0.0613	"	1.227	ND	87.1	24-159			
Bromoform	0.727	0.0994	"	1.227	ND	59.3	13-150			
Bromomethane	0.164	0.129	"	1.227	ND	13.4	10-184			
Carbon Tetrachloride	0.774	0.0613	"	1.227	ND	63.1	18-172			
Chlorobenzene	0.878	0.0613	"	1.227	ND	71.6	14-152			
Chloroethane	ND	0.0742	"	1.227	ND		12-172			J3, U
Chloroform	0.885	0.0926	"	1.227	ND	72.1	47-142			
Chloromethane	0.270	0.0730	"	1.227	ND	22.0	27-151			J3
cis-1,2-Dichloroethene	0.937	0.0613	"	1.227	ND	76.3	15-169			
cis-1,3-Dichloropropene	1.02	0.0613	"	1.227	ND	83.5	10-162			
Dibromochloromethane	0.824	0.0754	"	1.227	ND	67.1	10-175			
Dibromomethane	0.984	0.0613	"	1.227	ND	80.2	37-150			
Dichlorodifluoromethane	0.781	0.120	"	1.227	ND	63.7	10-181			
Ethyl Benzene	5.47	0.0613	"	1.227	4.70	63.2	17-151			
Hexachlorobutadiene	0.685	0.0810	"	1.227	ND	55.8	10-190			
Isopropylbenzene	3.11	0.0705	"	1.227	2.51	48.9	10-145			

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 528 Gooch Rd.
 Fort Mead, FL 33841

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 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



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 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

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Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Matrix Spike (19E0877-MS1)		Source: 19E0804-01			Prepared & Analyzed: 05/31/2019					
m,p-Xylene	12.7	0.130	mg/kg dry	2.454	16.5	NR	10-156			J3
Methyl tert-Butyl Ether	1.75	0.0865	"	1.227	ND	143	41-156			
Methylene Chloride	1.19	0.583	"	1.227	ND	97.2	10-190			
Naphthalene	8.92	0.199	"	1.227	11.1	NR	10-172			J3
n-Butyl Benzene	8.31	0.0889	"	1.227	10.7	NR	10-165			J3
n-Propyl Benzene	6.05	0.0650	"	1.227	6.07	NR	10-165			J3
o-Xylene	7.79	0.0613	"	1.227	8.15	NR	16-150			J3
p-Isopropyltoluene	3.15	0.0718	"	1.227	2.35	65.4	10-158			
sec-Butyl Benzene	4.11	0.0681	"	1.227	3.91	17.1	10-170			
Styrene	1.40	0.0712	"	1.227	ND	114	10-148			
tert-Butylbenzene	6.09	0.0662	"	1.227	ND	497	10-159			J3
Tetrachloroethene	1.48	0.0699	"	1.227	ND	121	10-190			
Toluene	3.19	0.0613	"	1.227	2.71	39.2	10-178			
trans-1,2-Dichloroethene	1.40	0.0613	"	1.227	ND	114	29-158			
trans-1,3-Dichloropropene	0.988	0.0613	"	1.227	ND	80.5	10-190			
Trichloroethene	1.08	0.0620	"	1.227	ND	88.2	10-187			
Trichlorofluoromethane	0.979	0.0613	"	1.227	ND	79.8	17-179			
Vinyl chloride	0.247	0.0613	"	1.227	ND	20.1	15-164			
Pentachloroethane	0.0945	0.0932	"	1.227	ND	7.70	10-190			J3
Matrix Spike Dup (19E0877-MSD1)		Source: 19E0804-01			Prepared & Analyzed: 05/31/2019					
1,1,1,2-Tetrachloroethane	0.708	0.0613	mg/kg dry	1.227	ND	57.7	22-152	12.3	30	
1,1,1-Trichloroethane	1.08	0.0613	"	1.227	ND	88.1	29-159	28.7	30	
1,1,2,2-Tetrachloroethane	0.892	0.0613	"	1.227	ND	72.7	10-181	0.206	30	
1,1,2-Trichloroethane	0.870	0.0613	"	1.227	ND	70.9	21-153	14.0	30	
1,1-Dichloroethane	1.09	0.0613	"	1.227	ND	88.9	43-140	10.5	30	
1,1-Dichloroethene	1.11	0.0846	"	1.227	ND	90.8	23-173	4.56	30	
1,1-Dichloropropene	0.954	0.0650	"	1.227	ND	77.8	27-154	1.62	30	
1,2,3-Trichlorobenzene	1.20	0.161	"	1.227	ND	97.7	10-171	9.82	30	
1,2,3-Trichloropropane	0.823	0.0613	"	1.227	ND	67.1	15-155	12.0	30	
1,2,4-Trichlorobenzene	1.29	0.138	"	1.227	ND	105	10-173	7.75	30	
1,2,4-Trimethylbenzene	12.8	0.0693	"	1.227	9.78	243	10-154	46.5	30	J3

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 Okeechobee, FL 34972

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Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Matrix Spike Dup (19E0877-MSD1)		Source: 19E0804-01			Prepared & Analyzed: 05/31/2019					
1,2-Dibromo-3-chloropropane	0.872	0.120	mg/kg dry	1.227	ND	71.0	10-151	8.36	30	
1,2-Dibromoethane (EDB)	0.980	0.0613	"	1.227	ND	79.9	13-160	6.83	30	
1,2-Dichlorobenzene	0.954	0.0981	"	1.227	ND	77.8	10-164	2.85	30	
1,2-Dichloroethane	1.01	0.0613	"	1.227	ND	82.5	35-154	8.20	30	
1,2-Dichloropropane	1.01	0.0613	"	1.227	ND	82.2	37-139	9.00	30	
1,3,5-Trimethylbenzene	7.32	0.0650	"	1.227	29.4	NR	10-150	NR	30	J3
1,3-Dichlorobenzene	0.815	0.0773	"	1.227	ND	66.4	10-163	14.9	30	
1,3-Dichloropropane	0.896	0.0613	"	1.227	ND	73.0	32-144	0.549	30	
1,4-Dichlorobenzene	0.790	0.0877	"	1.227	ND	64.4	10-160	13.1	30	
2,2-Dichloropropane	1.15	0.0613	"	1.227	ND	93.7	25-161	12.4	30	
2-Butanone (Methyl Ethyl Ketone)	6.19	0.761	"	6.134	0.338	95.4	10-190	17.1	30	
2-Chloroethylvinyl ether	1.98	0.350	"	6.134	ND	32.4	10-190	1.35	30	
2-Chlorotoluene	7.78	0.0613	"	1.227	ND	634	10-147	19.3	30	J3
2-Hexanone	14.6	0.307	"	6.134	ND	238	10-159	56.2	30	
4-Chlorotoluene	5.67	0.0613	"	1.227	ND	462	10-190	10.9	30	J3
4-Methyl-2-pentanone	6.10	0.307	"	6.134	ND	99.5	10-163	2.40	30	
Acetone	6.51	0.448	"	6.134	ND	106	10-190	1.81	30	
Acrolein	4.29	0.742	"	6.134	ND	69.9	18-176	0.114	30	
Acrylonitrile	1.21	0.0613	"	1.227	ND	98.5	16-155	3.98	30	
Benzene	1.01	0.0613	"	1.227	0.0534	77.9	28-158	2.08	30	
Bromobenzene	0.897	0.0613	"	1.227	ND	73.1	10-151	13.5	30	
Bromochloromethane	0.961	0.0613	"	1.227	ND	78.3	39-156	8.73	30	
Bromodichloromethane	0.924	0.0613	"	1.227	ND	75.3	24-159	14.5	30	
Bromoform	0.686	0.0994	"	1.227	ND	55.9	13-150	5.81	30	
Bromomethane	0.120	0.129	"	1.227	ND	9.75	10-184	31.5	30	I
Carbon Tetrachloride	0.900	0.0613	"	1.227	ND	73.4	18-172	15.1	30	
Chlorobenzene	0.805	0.0613	"	1.227	ND	65.6	14-152	8.67	30	
Chloroethane	ND	0.0742	"	1.227	ND		12-172		30	J3, U
Chloroform	0.970	0.0926	"	1.227	ND	79.1	47-142	9.19	30	
Chloromethane	0.249	0.0730	"	1.227	ND	20.3	27-151	8.04	30	J3
cis-1,2-Dichloroethene	0.986	0.0613	"	1.227	ND	80.3	15-169	5.11	30	
cis-1,3-Dichloropropene	1.07	0.0613	"	1.227	ND	87.5	10-162	4.56	30	

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Report To:
 Pam Merashoff
 American Compliance Technologies, Inc.
 1875 West Main Street
 Bartow FL, 33830

Page 17 of 19
 Report Printed: 6/3/2019
 Work Order # 19E0804
 Project: Xilef Trucking
 Xilef Trucking

Volatile Organic Compounds by EPA Method 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
Matrix Spike Dup (19E0877-MSD1)		Source: 19E0804-01			Prepared & Analyzed: 05/31/2019					
Dibromochloromethane	0.762	0.0754	"	1.227	ND	62.1	10-175	7.81	30	
Dibromomethane	0.891	0.0613	"	1.227	ND	72.6	37-150	9.94	30	
Dichlorodifluoromethane	0.754	0.120	"	1.227	ND	61.5	10-181	3.51	30	
Ethyl Benzene	4.98	0.0613	"	1.227	4.70	22.6	17-151	94.7	30	
Hexachlorobutadiene	0.624	0.0810	"	1.227	ND	50.9	10-190	9.27	30	
Isopropylbenzene	2.84	0.0705	"	1.227	2.51	26.7	10-145	58.6	30	
m,p-Xylene	11.4	0.130	"	2.454	16.5	NR	10-156	NR	30	J3
Methyl tert-Butyl Ether	1.98	0.0865	"	1.227	ND	162	41-156	12.6	30	
Methylene Chloride	1.20	0.583	"	1.227	ND	97.5	10-190	0.360	30	
Naphthalene	8.64	0.199	"	1.227	11.1	NR	10-172	NR	30	J3
n-Butyl Benzene	8.28	0.0889	"	1.227	10.7	NR	10-165	NR	30	J3
n-Propyl Benzene	5.45	0.0650	"	1.227	6.07	NR	10-165	NR	30	J3
o-Xylene	7.04	0.0613	"	1.227	8.15	NR	16-150	NR	30	J3
p-Isopropyltoluene	2.87	0.0718	"	1.227	2.35	42.2	10-158	43.1	30	
sec-Butyl Benzene	3.72	0.0681	"	1.227	3.91	NR	10-170	NR	30	
Styrene	1.28	0.0712	"	1.227	ND	104	10-148	9.07	30	
tert-Butylbenzene	5.42	0.0662	"	1.227	ND	442	10-159	11.7	30	J3
Tetrachloroethene	1.43	0.0699	"	1.227	ND	117	10-190	3.58	30	
Toluene	3.29	0.0613	"	1.227	2.71	47.5	10-178	19.1	30	
trans-1,2-Dichloroethene	1.43	0.0613	"	1.227	ND	117	29-158	2.17	30	
trans-1,3-Dichloropropene	1.03	0.0613	"	1.227	ND	84.1	10-190	4.37	30	
Trichloroethene	1.05	0.0620	"	1.227	ND	85.4	10-187	3.22	30	
Trichlorofluoromethane	0.943	0.0613	"	1.227	ND	76.9	17-179	3.70	30	
Vinyl chloride	0.106	0.0613	"	1.227	ND	8.65	15-164	79.7	30	
Pentachloroethane	0.0840	0.0932	"	1.227	ND	6.85	10-190	11.7	30	J3I
Blank (19E0877-BLK1)		Prepared & Analyzed: 05/31/2019								
Surrogate: 1,2-Dichlorobenzene-d4	0.00368		mg/kg wet	0.004664		78.8	15-147			
Surrogate: 2-Bromo-1-chloropropane	0.00378		"	0.004664		81.0	16-163			
Surrogate: 4-Bromofluorobenzene	0.00393		"	0.004664		84.2	10-190			

Florida-Spectrum Environmental Services, Inc.
 1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
 528 Gooch Rd.
 Fort Mead, FL 33841

Big Lake Laboratory
 610 Parrot Ave. N.
 Okeechobee, FL 34972

Lakeland Laboratory
 1910 Harden Blvd.
 Lakeland, FL 33803

Savannah Laboratory
 108 Airport Park Dr.
 Garden City, GA 31408



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Volatile Organic Compounds by EPA Method 8260 - Quality Control										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 19E0877 - Default Prep VOC										
LCS (19E0877-BS1)				Prepared & Analyzed: 05/31/2019						
Surrogate: 1,2-Dichlorobenzene-d4	0.00495		mg/kg wet	0.004817		103	15-147			
Surrogate: 2-Bromo-1-chloropropane	0.00443		"	0.004817		92.0	16-163			
Surrogate: 4-Bromofluorobenzene	0.00383		"	0.004817		79.6	10-190			
Matrix Spike (19E0877-MS1)		Source: 19E0804-01		Prepared & Analyzed: 05/31/2019						
Surrogate: 1,2-Dichlorobenzene-d4	0.361		mg/kg dry	0.3067		118	15-147			
Surrogate: 2-Bromo-1-chloropropane	0.376		"	0.3067		123	16-163			
Surrogate: 4-Bromofluorobenzene	0.292		"	0.3067		95.2	10-190			
Matrix Spike Dup (19E0877-MSD1)		Source: 19E0804-01		Prepared & Analyzed: 05/31/2019						
Surrogate: 1,2-Dichlorobenzene-d4	0.333		mg/kg dry	0.3067		109	15-147			
Surrogate: 2-Bromo-1-chloropropane	0.391		"	0.3067		128	16-163			
Surrogate: 4-Bromofluorobenzene	0.263		"	0.3067		85.6	10-190			

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Notes and Definitions

- Y The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- U Indicated that the compound was analyzed for but not detected. This shall be used to indicate that the specific component was not detected. The value associated with the qualifier shall be the laboratory method detection limit.
- J3 The matrix spike recovery outside method acceptance limits indicating matrix interference.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the detection limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- V Indicated that the analyte was detected in both the sample and the associated method blank.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- Z Too many colonies were present for accurate counting.

QC=Qualifier Codes as defined by DEP 62-160
 Unless indicated, soil results are reported on actual (wet) weight basis.
 Work performed by outside (subcontracted) labs denoted by SUB in Analyst Field.
 Results relate only to this sample.

Enrique Ochoa - CSM

Authorized CSM Signature (954) 978-6400
 Florida-Spectrum Environmental Services, Inc.
 Certification# E86006

All NELAP certified analysis are performed in accordance with Chapter 64E-1 Florida Administrative code, which has been determined to be equivalent to NELAC standards. Analysis certified by programs other than NELAP are designated with a "~".

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 Garden City, GA 31408

19200804

CHAIN OF CUSTODY

Page 1

Lakeland Laboratories
 1910 Harden Boulevard, Suite 101
 Lakeland, FL 33803-1829
 Phone: (863) 686-4271



Lab Work Order Number

Florida Spectrum Environmental Services (800) 262-5983

www.flenviro.com

Client Name American Compliance and Technologies		Project Name Xilef Trucking		Requested Turn Around	
Project Manager Pam Merashoff		Project Number 21396		Rush requests subject to additional charge.	
Client Address 1875 West Main Street		Project Description XILEF TRUCKING		Rush requests subject to lab approval.	
City Bartow		PO Number 6326		Standard (days)	
State/Zip Florida		Shipped By		Expedited (days)	
Phone 863-533-2000		Tracking Number		Due Date	
Fax		Sampler Signature		Preservation Code	
Sampler		Sample Name or Field ID 2280-001		Sample Comments SFA SFC	
Sampled Date 5/21/19		Sampled Time 9:17 AM		Date/Time 5/21/19	
Sample Type Code Grab C		Matrix Code SO		Date/Time 5/21/19	
Container Count 4		Received By Jason Huggan		Date/Time 5/21/19	
Relinquished By <i>[Signature]</i>		Received By JPH		Date/Time 5/21/19	
Relinquished By <i>[Signature]</i>		Received By JPH		Date/Time 5/21/19	
Relinquished By <i>[Signature]</i>		Received By JPH		Date/Time 5/21/19	
Cooler Numbers and Temperatures		Date/Time 5/24/19 9:30		Date/Time 5/21/19 1:55	
Matrix Codes:		Comments Per Hobbles, run samples out 25.2 of quality Date of		Sample Kt Prepared By MAG	

Preserv. Codes:



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(1)
Form Title: Discharge Report Form
Effective Date: January 2017
Incorporated in Rule 62-761.405, F.A.C.

DISCHARGE REPORT FORM

Complete all applicable blanks, and submit copies of any analytical or field test results confirming contamination to soils, surface water, or groundwater to the County via email or mail.

Facility ID Number (If Registered): _____ Date of Form Completion: 5/16/2019 Date of Discovery: 5/15/2019

Facility Name: _____ County: LEE

Facility (Property) Owner: Xilef Trucking Corp. Telephone Number: 813-445-8087

Owner Mailing Address: 1010 NE 12th Terrace, Cape Coral, Florida 33909

Location of Discharge (Facility Street Address): NE Corner of SR 31 & Palm Beach Blvd, Ft. Myers, Florida Lat/Long: _____

Date of receipt of any test or analytical results confirming a discharge: _____ Estimated number of gallons discharged: 50

Discharge affected: (Check all that apply)

- Soil
- Groundwater
- Soil water (water body name) _____
- Drinking water well(s)
- Shoreline
- Other (specify) Roadside ditch

Evidence of discharge: (Check all that apply)

- Visual observation of sheen
- Results or receipt of results of analytical tests
- Stained soils
- Visual observation of free product
- Spill or vehicle overfill > 25 gallons to a pervious surface
- Other (explain in comments)

Method of discovery and confirmation of discharge: (Check all that apply, see rule language explanation on instructions for this form)

- Visual observation
- Closure/Closure sampling assessment
- Surface water analytical results
- Groundwater analytical results
- Soil analytical results
- Other (specify) _____

Type of regulated substance discharged: (Check all that apply)

- Gasoline
- Diesel
- Heating oil
- Kerosene
- Aviation gas
- Hazardous substance (USTs) – write name or Chemical Abstract Service (CAS) #: _____
- Jet fuel
- Used/waste oil
- New motor/lube oil
- Pesticide
- Grade 5 & 6 residual oils
- Mineral acids (ASTs)
- Ammonia compound
- Chlorine compound
- Biofuel blends
- Unknown
- Other (specify) _____

Discharge originated from a: (Check all that apply)

- Tank
- Piping
- Spill bucket
- Dispenser
- Piping sump
- Dispenser sump
- Other secondary containment
- Fitting or pipe connection
- Valve
- Tank truck
- Vehicle or customer vehicle
- Aircraft
- Railroad tankcar
- Barge, tanker ship or other vessel
- Pipeline
- Drum
- Unknown
- Other (specify) _____

Cause of the discharge: (Check all that apply)

- Spill
- Overfill
- Corrosion
- Puncture
- Material failure (crack, split, etc.)
- Material incompatibility
- Improper installation
- Loose connection
- Collision
- Vehicle accident
- Fire/explosion
- Vandalism
- Weather
- Human error
- Unknown
- Other (specify) _____

Actions taken in response to the discharge:

Absorbent boom and pads along with a vacuum truck was used to collect the fuel and oil in the water. The impacted soil was excavated by hand and all waste was transported to a disposal facility.

Comments:

Agencies notified (as applicable):

- Fire Department
- County Program _____
- District Office _____
- State Watch Office
800-320-0519
- National Response Center
800-424-8802

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

Joel D. Butler
Printed Name of Owner, Operator or Authorized Representative

Joel D. Butler
Signature of Owner, Operator or Authorized Representative



Florida Department of Environmental Protection

(SOURCE REMOVAL REPORT)

Required Signatures: Adobe Signature

The Florida Department of Environmental Protection, Office of Emergency Response (OER) Source Removal Report may be used as a cleanup report for discharges regulated under Chapter 62-780, F.A.C., that constitute an emergency situation. Within 60 days of completion of free product removal and disposal, and/or soil treatment or disposal, send this report and attachments to the Florida Department of Environmental Protection, Office of Emergency Response.

Incident Date: 5/15/19 Date Cleanup Initiated: 5/16/19 Date Cleanup Completed: TBD

Location of Incident: Northeast corner of State Road 31 and Palm Beach Blvd, Ft Myers Florida

Nearest City/Town: Ft. Myers Shores County: Lee

Latitude: Longitude:

Material Discharged: Hyrdaulic Fluid and Diesel Fuel

Volume Discharged: 50 [X] Gallons [] Pounds

Cause of Discharge (Check All that Apply):

- [] UST/AST Overfill [] Fuel Tank Leak [] Train Accident [] Container Leak (Drum)
[X] Vehicle Accident [] Valve Leak [] Pipeline Leak [] UST/AST Line Leak
[] Cargo Tank Leak [] Other:

Environment Affected (Check All that Apply):

- [] Air [] Sanitary Sewer [] Coastal Beach [] Storm Drain [] Impervious Surface
[X] Soil [X] Roadside Ditch [] Groundwater [] Wetland Area
[] Surface Water: (Name) [] Other:

Responsible Party/Spiller Information:

Name: Xilef Trucking Corp. Contact: Stephanie Rodriquez

Mailing Address: 1010 NE 12th Terrace

City: cape Coral State: Florida Zip: 33909

Telephone: 813-445-8087 Alternate Phone: Fax:

Email:



Florida Department of Environmental Protection

(SOURCE REMOVAL REPORT)

Cleanup Contractor Information:

Name: A-C-T Environmental & Infrastructure Contact: Heather Dixon
Mailing Address: 1875 West Main Street
City: Bartow State: Florida Zip: 33830
Telephone: 863-533-2000 X-320 Alternate Phone: Fax:
Email: HDixon@A-C-T.com

Method of Cleanup (Check All that Apply):

- X Soil Excavation X Absorbants Skimmer In-Situ Burning
x Vacuum Truck X Boom Street Sweeper Neutralization
Other:

Volume of Free Product Recovered: Gallons Drums

Disposal Method of Free Product Recovered: Incineration Fuel Blending Wastewater Treatment
Other:

Volume of Soil Removed: 3 Cubic yards Pounds Tons X Drums

Dimensions of Soil Excavation: 'Long 'Wide 'Deep

Disposal Method of Soil Removed: Soil Thermal Treatment Facility X Landfill Hazardous Waste
Other:

Volume of Other Debris/Materials Removed: Pounds Tons Drums

Disposal of Debris/Material Removed: Soil Thermal Treatment Facility Landfill Hazardous Waste
Other:

Volume of PCW Removed: 1500 X Gallons Drums

X PCW disposed of in authorized wastewater treatment facility

Depth of Groundwater: How Determined:



Florida Department of Environmental Protection

(SOURCE REMOVAL REPORT)

Type of Field Screening Instrument or Method Used:

OVA/FID PID Other: _____

Summary of Instrument Readings:

Highest Reading Observed Before Excavation: _____

Highest Reading Observed After Excavation: _____

Lowest Reading Observed After Excavation: _____

Laboratory Information: (if applicable):

Name: Florida Spectrum

DOH ELCP Certification Number: E86006

Attached Copies of (as applicable):

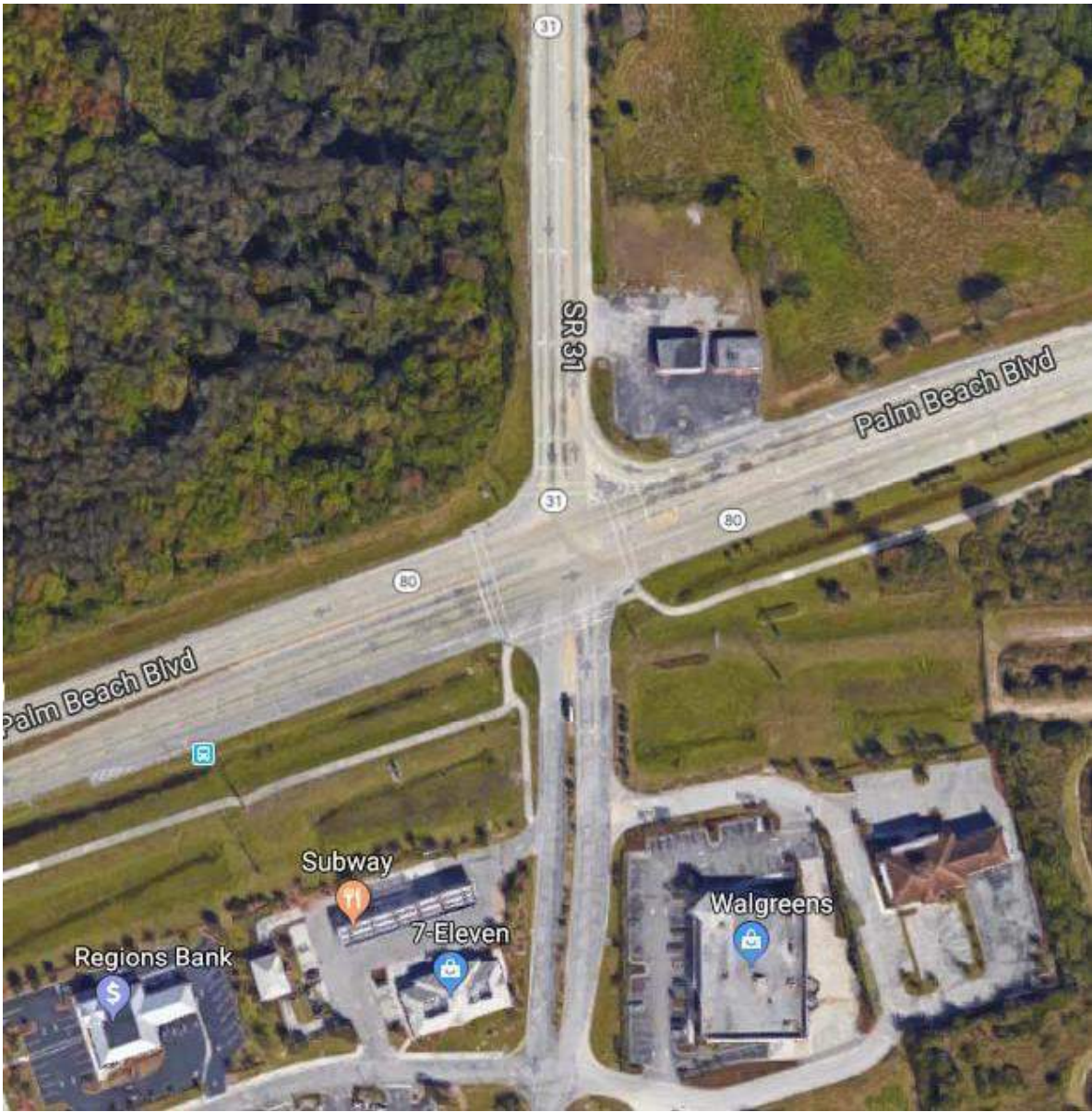
- Documentation confirming recycling, treatment, or disposal of all materials
- Weight tickets
- Copy of analytical results
- A scaled map of the site (including a graphical representation of the scale used) showing locations of free product recovered, the area of soil removed or treated, and any roads, ditches, etc. The map shall include dimensions of the excavation and the identification and location of all samples taken.
- A scaled map of the geographical area where the site is located
- A table indicating the identification, depth, and field soil screening results of each sample collected and location where confirmation samples were taken.
- A copy of the instrumentation calibration record for the field testing instrument(s)
- A copy of the sample transmittal record or Chain-of-Custody Form.
- Other: _____

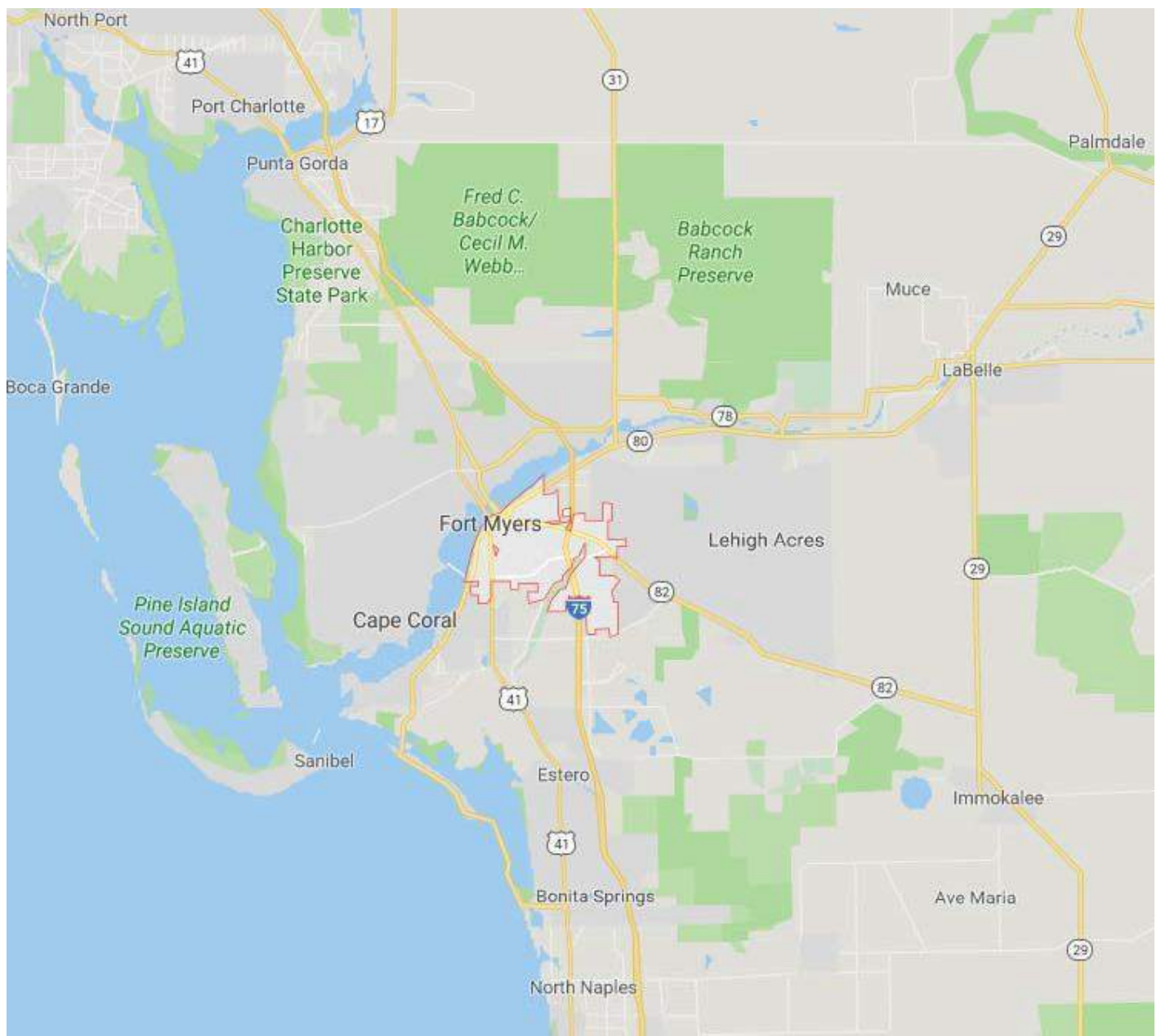
Certification:

I certify that the above information and attachments are correct to the best of my knowledge. I understand the submission of false information, or failure to comply with state and federal laws, is a civil and criminal violation and may be grounds for enforcement action.

Name: Joel D. Butler Signature: *Joel D. Butler*

Firm: Custard Insurance Adjusters Date: 7/25/2019





Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 1
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:



Photo: 2
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 3
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:



Photo: 4
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 5

Date Taken:
05/20/2019

Taken By:
Jordan Malan

Description:



Photo: 6

Date Taken:
05/20/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 7

Date Taken:
05/20/2019

Taken By:
Jordan Malan

Description:



Photo: 8

Date Taken:
05/20/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 9
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:



Photo: 10
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 11
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:



Photo: 12
Date Taken: 05/20/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 13

Date Taken:
05/20/2019

Taken By:
Jordan Malan

Description:



Photo: 14

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 15

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:



Photo: 16

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 17

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:



Photo: 18

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 19
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:



Photo: 20
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 21

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:



Photo: 22

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 23

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:



Photo: 24

Date Taken:
05/16/2019

Taken By:
Jordan Malan

Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 25
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:



Photo: 26
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 27
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:



Photo: 28
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:

Claim Photo

CIA File Number: 091-008683
Adjuster: Joel Butler
Insured: Xilef Trucking Corp
Date of Loss: 05/15/2019
Customer File Number: 129199359
Policy Number:



Photo: 29
Date Taken: 05/16/2019
Taken By: Jordan Malan
Description:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emergency Response Incident Report

Incident #: 2019-31-63060	County: Lee	Latitude: 26.702585 (verified) Longitude: -81.758491 (verified)	Incident Date: 05/15/2019 Incident Time: 06:15 PM US/EASTERN
OER Employee Receiving Report: Goense, Patricia		OER Responses: On-scene, Referral	Reported Date: 05/16/2019 Reported Time: 09:20 AM US/EASTERN
Incident Reported By: Via SWO Caloosa Site Development Address: 10880 Metro Parkway Suite J Fort Myers FL 33966 US Phones: Business : 239-332-4008 Extn: Contact Person: Unknown, Joey			
Lee County Natural Resources Address: 1500 Monroe Street FORT MYERS FL 33901 US Phones: Business : 239-533-8136 Extn: Contact Person: Hubbard, Jennifer			
Location of Incident: SR-31 & Palm Beach Blvd.		Nearest City/Town: FORT MYERS	
Threat to U.S Navigable Waters?No Describe Threat:		Confirmed/Potential:	
Descriptions: Fuel Leak/Overflow Vehicle Accident	Modes: Facility Commercial	Media Affected: Ditch Soil Surface Waters	Actions: Referral Absorbent Used Booms/Dikes RP Identified Vacuum Truck Used Soil Removed
Incident Contractors:			
Contractor Hired Responsible Party Name: American Compliance Technologies Address: 1875 W. Main St. BARTOW FL 33830 US Phones: Business : 863-533-2000 Extn: 270 DEP Contract#:			
Incident Parties:			
Company Name: Site Evaluations of Florida Inc Address: 460 9 Street SW Naples FL 34117 US Phones: Contact Person: Reynolds, Mike		Party Type: Responsible Party, Insurance Company: Policy#:	
Company Name: Caloosa Site Development Address: 10880 Metro Parkway Suite J Fort Myers FL 33966 US Phones: Business : 239-332-4008 Extn: Contact Person: Unknown, Joey		Party Type: Responsible Party, Reporting Party, Insurance Company: Policy#:	
Company Name: Xilef Trucking Corp. Address: 1010 NE 12 Terr CAPE CORAL FL 33909 US		Party Type: Responsible Party,	

Phones:

Business : 305-219-6363 Extn:

Contact Person: Butler, Joel Rodriguez, Stephanie**Insurance Company:** Custard Insurance Adjusters**Policy#:** IDGTU00015000**Company Name:** T. Disney Trucking & Grading, Inc.**Party Type:** Responsible Party,**Address:**

6324 US Hwy. 301 S. Riverview FL 33578 US

Phones:

Business : 844-258-7825 Extn:

Contact Person: Disney, Stephen**Insurance Company:****Policy#:****Pollutants:**

Pollutant Name	Category	Potential Amount	Actual Amount	Unit Of Measure	Determined By
Diesel fuel	Petroleum	120.00	40.00	gallon	Investigator Estimate
Motor oil	Petroleum	10.00	10.00	gallon	Investigator Estimate

Coastal Category:	(Landward COLREG Line)	(Seaward COLREG Line)
No Minor	< 1000 gallons	< 10,000 gallons
No Moderate	1000 to 10,000 gallons	10,000 to 100,000 gallons
No Major	> 10,000 gallons	> 100,000 gallons

Agencies Responded: Local Programs, Office of Emergency Response
Agencies Notified: Local Programs, Office of Emergency Response, State Watch Office

FOSC Notified: No **Date:** **FOSC Response:** No
Name of FOSC Notified: **Time:**

Narrative:
SWO 2019-2731: "Caller reports a diesel and motor oil release in Ft. Myers. Caller states that a dump truck turned over, causing between 25-45 gallons of motor oil and diesel to release. The release entered a nearby pond. Cleanup actions are in progress (applying absorbent pads)."

OER/State On-Scene Coordinator: Date: Hours spent:	Federal On-Scene Coordinator: *The above actions were properly taken and coordinated with the National Contingency Plan (NCP, 40 CFR 300)
ID# Fax#	Fax# Date:
Print Sign:	Print Sign:

OER Response Information

OER On-Scene Coordinator:

Goense, Patricia

Arrival Date: 05/16/2019**Arrival Time:** 08:30 AM US/EASTERN**Incident #:**

2019-31-63060

PERSONNEL EXPENSES:

Cerquera, Lina	1.25	\$ 35.82	per hour	\$ 44.78
Goense, Patricia	5.5	\$ 26.52	per hour	\$ 145.86

TRANSPORTATION EXPENSES:

Response Vehicle	21	\$ 0.45	per mile	\$ 9.45
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PPE EXPENSES:

Work Clothes	1	\$ 15.00	per each	\$ 15.00
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SAMPLING EQUIPMENT EXPENSES:**EXPENDABLE EXPENSES:****INSTRUMENTATION EXPENSES:****MISCELLANEOUS EXPENSES:**

Std. On-Scene charge (phone, photo, clerical)	1	\$ 22.00	per incident	\$ 22.00
---	---	----------	--------------	----------

Incident Narrative:

5.16.19: OER (P. Goense) received notice via a phone call from Lee County (Jennifer Hubbard) and the SWO from Caloosahatchee Site Development (Joey) in regards to a release of diesel and motor oil at a construction site located at the intersection of SR-31 and Palm Beach Blvd. in Fort Myers. OER spoke with Lee County who reported that the responsible party was unsure as to the quantity released into a wet ditch on-site and requested OER on-scene assistance.

OER responded on-scene and observed approximately 50 gallons of diesel and motor oil contained within a wet ditch by constructed berms and silt fence. OER spoke with Site Evaluations of Florida (Mike Reynolds) on-scene, who reported that at approximately 1815 hrs. on 5.15.19 a dump truck slid off the compact dirt road of the construction site, resulting in the petroleum discharge. OER provided a 24Hr. Emergency Contractor List. Site Evaluations of Florida later reported that A-C-T Environmental & Infrastructure (A-C-T) were retained to conduct cleanup activities.

5.17.19: A-C-T completed site remediation.

7.29.19: Source Removal Report received. The site remediation was not conducted in accordance with the applicable Chapter 62-780.500 or Chapter 62-780.525 requirements. A-C-T mobilized a vacuum truck to the scene to remove contaminated surface water from the wet-ditch and approximately 1500 gallons of petroleum contact water were transported to Aqua Clean of Lakeland for disposal. The excavation was conducted using hand tools and approximately three drums of impacted soil and approximately 250 pounds of impacted absorbent pads and boom were removed from the incident location. The excavated soil was transported to A-C-T Environmental and Infrastructure in Bartow for disposal. Based on the report received, A-C-T did not conduct Organic Vapor Analytical screening of the soils during the excavation process.

Based on these results, the responsible party may need to perform further actions to fully delineate and address the remaining contamination at this site in accordance with Florida Statutes. This incident will be transferred to the FDEP South District Waste Cleanup Program for additional action.

No further OER action required.

OER case closed.

Approved By: Lina Cerquera**Date:** 09/25/2019

Chris Garth

From: Blair, Lucy <Lucy.Blair@FloridaDEP.gov>
Sent: Tuesday, April 4, 2023 11:06 AM
To: Chris Garth
Cc: SWD_WCU
Subject: RE: ERIC_11334 _ SR 31 & Palm Beach Blvd _ Info Request

Thanks for your email. Last July, the Department assigned all waste cleanup projects within our District to the Southwest District for further handling. This was done to accommodate other workload being assigned to our district.

Looking in Oculus, our document storage database, I don't any further information received, but I am copying the Southwest District Waste Clean up mailbox in order to request their response.

From: Chris Garth <cgarth@tierraeng.com>
Sent: Monday, April 3, 2023 4:04 PM
To: Blair, Lucy <Lucy.Blair@FloridaDEP.gov>
Subject: RE: ERIC_11334 _ SR 31 & Palm Beach Blvd _ Info Request

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Hi Lucy,
Just wanted to check & see if any new information is available since my request last year...see email below. While I see a response from Mike Reynolds which states the incident did not involve his company, he goes on to state T-Disney trucking, or an independent contractor is the responsible party...was any response received from the responsible party? Or has the FDEP determined a course of action?

Thanks,
Chris Garth, LEP

TIERRA, INC.

T 813.989.1354 | F 813.989.1355 | C 813.766.0269
geotechnical environmental materials engineering

From: Blair, Lucy <Lucy.Blair@FloridaDEP.gov>
Sent: Monday, March 14, 2022 1:24 PM
To: Chris Garth <cgarth@tierraeng.com>
Subject: RE: ERIC_11334 _ SR 31 & Palm Beach Blvd _ Info Request

Here's a link to the entire file:

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=hitlist&\[freeText=\]&\[folderName=\]&\[profile=Administrative%2BCleanup_Remediation%2BDiscovery_Compliance%2BEnforcement_Legal%2BPermitting_Authorization\]&\[creator=\]&\[entityType=any\]&\[createdDateTo=\]&\[catalog=5\]&\[searchBy=Profile\]&\[sortBy=Received+Date\]&\[createdDate=\]&{County= EQ_LEE}&{District= EQ_SD}&{Facility-Site+ID= EQ_ERIC_11334}](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=hitlist&[freeText=]&[folderName=]&[profile=Administrative%2BCleanup_Remediation%2BDiscovery_Compliance%2BEnforcement_Legal%2BPermitting_Authorization]&[creator=]&[entityType=any]&[createdDateTo=]&[catalog=5]&[searchBy=Profile]&[sortBy=Received+Date]&[createdDate=]&{County= EQ_LEE}&{District= EQ_SD}&{Facility-Site+ID= EQ_ERIC_11334})

We had requested information which was never submitted. Our file is still open and waiting for a response.
Thanks

From: Chris Garth <cgarth@tierraeng.com>
Sent: Monday, March 14, 2022 10:53 AM
To: Blair, Lucy <Lucy.Blair@FloridaDEP.gov>
Subject: ERIC_11334 _ SR 31 & Palm Beach Blvd _ Info Request

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Lucy,

I am performing a contamination evaluation for the FDOT & 1) am unable to determine the precise location of this spill, and 2) the cleanup status. Is assessment on-going? Or has the file been closed?

Can you please provide the latest assessment/closure report? The SRR I found on OCULUS does not provide an address or coordinates...and the maps do not depict the spill location.

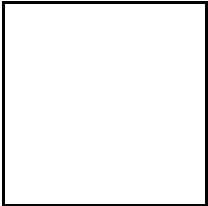
Please call or email if you have questions.

Thanks,
Chris Garth, LEP
Senior Scientist

TIERRA, INC.

7351 Temple Terrace Highway | Tampa, Florida 33637
T 813.989.1354 | F 813.989.1355 | C 813.766.0269
cgarth@tierraeng.com | www.tierraeng.com
geotechnical environmental materials engineering

This e-mail and any attachments are confidential. If you have received this email in error, you should not retain, distribute, disclose or use any of the information in this email and you should immediately destroy the e-mail, including any attachments or copies. E-mail transmission cannot be guaranteed as secure or error-free as information could be intercepted, corrupted, lost, destroyed, received late or incomplete. Therefore, the sender does not accept liability for any error or omission in the contents of this message, which may arise as a result of e-mail transmission. If verification is required, please request a hard-copy version from the sender.



**SITE 11 – FORMER CIRCLE K #2707335 /
REDBONE SPIRITS
12255 PALM BEACH BLVD
(FORMERLY 7033 PALM BEACH BLVD)**



FLORIDA DEPARTMENT OF Environmental Protection

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

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Memorandum

TO: File

FROM: Michael J. Bland, Professional Geologist II
District & Business Support Program, DWM

SUBJECT: **NREQ Status Justification**
Circle K #2707335
12255 Palm Beach Boulevard, Fort Myers, Lee County
FDEP Facility ID#: 368518912
Discharge Date: April 1, 1997

DATE: April 3, 2023

I have completed the review of the Department's file. Based on tank and line testing performed on August 5, 1997, the Department concludes that a discharge had not occurred and no further assessment is required at this time for the above referenced discharge. As such, a No Cleanup Required (NREQ) designation was given for this discharge in STCM.

If you have any questions, please contact me at (850) 245-8912 or at mike.bland@floridadep.gov.



FLORIDA DEPARTMENT OF Environmental Protection

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

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 20, 2022

(Sent via email only to addressee at Heather.Schwartz@oneatlas.com)

Ms. Heather Schwartz, P.E.
Atlas Technical
5602 Thompson Center Court, Suite 405
Tampa, Florida 33634

Subject: Deliverable Review
Circle K #2707335
12255 Palm Beach Boulevard
Ft. Myers, Palm Beach County
FDEP Facility ID# 368518912
Discharge Date: November 23, 1988 (EDI)
Priority Score: 10 (Voluntary)

Dear Ms. Schwartz:

The Petroleum Restoration Program (PRP) has reviewed the Site Update Report/Letter Report dated May 6, 2022 (received May 11, 2022), submitted for this facility. The Site Update Report is acceptable. The PRP concurs with Atlas' recommendation that the subject site may qualify for a Low Scored Site Initiative (LSSI) No Further Action (NFA), however additional soil and groundwater assessment is required.

If you should have any questions about the review, please contact me at (813) 684-4400, extension 4810 or at the letterhead address, Mail Station 4585.

Ms. Heather Schwartz, P.E.
FDEP Facility ID# 368518912
Page 2
May 20, 2022

Sincerely,

**Matthew
Correia**

Digitally signed by
Matthew Correia
Date: 2022.05.19
10:59:26 -04'00'

Matthew Correia, P.G.
Senior Geologist
NorthStar Contracting Group, Inc.
Petroleum Restoration Program Section Five
mcorreia@northstar.com

Janice Porto
Government Analyst II
Petroleum Restoration Program
Florida Department of Environmental Protection
Janice.Porto@floridadep.gov

Reviewed by:

Alfie Nazario

Digitally signed by Alfie
Nazario
Date: 2022.05.19 11:10:46
-04'00'

Alfie B. Nazario, P.E.
Senior Engineer
NorthStar Contracting Group, Inc.
Petroleum Restoration Program Section Five

/mc

ec: Gary and Cheryl Svoboda, Property Owners, chersvo@gmail.com

File



5602 Thompson Center Court, Suite 405
Tampa, Florida 33634
813.889.8960 | oneatlas.com

September 15, 2021

Mr. Matt Correia, P.G.
FDEP PRP Team 5
NorthStar Contracting Group, Inc.
2760 S. Falkenburg Road
Riverview, FL 33578

**Subject: Supplemental Site Assessment Report
Former Circle K #7335**
12255 Palm Beach Boulevard
Fort Myers, Lee County, Florida
FDEP Facility ID: 36/8518912
Atlas Project No.: Z112600836

Dear Mr. Correia:

ATC Group Services, LLC (ATC) doing business as Atlas Technical (Atlas) is pleased to present this Supplemental Site Assessment Report (SSAR) for the Former Circle K #7335.

Sincerely,
Atlas Technical

Kayla Zonneville, P.G.
Project Manager
Direct Line: 813-447-9501
Email: kayla.zonneville@oneatlas.com

Brian A. Bowers, P.E.
Senior Project Manager
Direct Line: 813-889-8960 x241
Email: brian.bowers@oneatlas.com

cc: Ms. Beni Siersema, Contract Program Manager, Phillips 66 c/o AECOM, 7650 Courtney Campbell
Cswy, Suite 700, Tampa, Florida 33607





5602 Thompson Center Court, Suite 405
Tampa, Florida 33634
813.889.8960 | oneatlas.com

PROFESSIONAL ENGINEERING CERTIFICATION

**Supplemental Site Assessment Report
Former Circle K #7335**

12255 Palm Beach Boulevard
Fort Myers, Lee County, Florida
FDEP Facility ID: 36/8518912

Atlas Project No.: Z112600836

The engineering information in this document was prepared by me or under my direct supervision and I certify that the document conforms to currently accepted engineering practices pursuant to Chapter 471 of the Florida Statutes and Chapter 62-780 F.A.C.



This item has been electronically signed and sealed by Brian A Bowers on the date adjacent to the seal using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Brian Bowers
DN: C=US, S=Florida, L=Tampa,
O=ATC Group Services LLC,
CN=Brian Bowers,
E=brian.bowers@atcgs.com
Reason: I am approving this document

Location: Tampa, FL
Date: 2021-09-15 07:55:32
Foxit PhantomPDF Version:
9.1.0

ATC Group Services LLC
dba Atlas Technical
FL Certificate of Authorization #7783





5602 Thompson Center Court, Suite 405
Tampa, Florida 33634
813.889.8960 | oneatlas.com

**Supplemental Site Assessment Report
Former Circle K #7335
12255 Palm Beach Boulevard
Fort Myers, Lee County, Florida
FDEP Facility ID: 36/8518912**

1.0 INTRODUCTION

ATC Group Services, LLC (ATC) doing business as Atlas Technical (Atlas), on behalf of the Phillips 66 Company (Phillips 66), is pleased to present this Site Assessment Report (SAR) to the Florida Department of Environmental Protection (FDEP). A site map is included as **Figure 1**.

Soil borings and groundwater sampling activities were performed on May 25, 2021. A summary of these events is included in **Section 3**.

2.0 BACKGROUND

The site currently operates as a retail convenience store. The site operated as a gas station between 1977 and 2009 as Circle K #7335. Two 10,000-gallon underground storage tanks (USTs) and one 800-gallon UST for unleaded gasoline and one 8,000-gallon UST for diesel were closed in place. There are no remaining active storage tanks at the site. The area surrounding the site is a mix of residential and commercial developments. The site score is 10.

A Discharge Reporting Form (DRF) was first filed for the site on November 23, 1988, in response to groundwater samples collected from the compliance wells. This release was accepted into the early detection initiative (EDI). A second DRF was submitted on April 2, 1997 due to tank failures.

On October 7, 2003, a soil excavation was conducted in conjunction with the dispenser upgrades.

As a part of the stock purchase between Circle K Stores and Alimentation Couche Tard (current parent company to Circle K Stores, Inc.), a due diligence investigation was completed for this site on March 31, 2004, by ATC Associates (ATC). A total of seven soil borings were advanced to a total depth of six feet below land surface (bls). Soils were screened for organic vapors and three analytical soil samples were collected from five to six feet bls from three of the borings (SB-1, SB-2, and SB-3). Soil samples were submitted for analysis of volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260 and total recoverable petroleum hydrocarbons (TRPH) by FL-PRO Method. Additionally, grab groundwater samples were collected from three of the borings (SB-1/DP-1, SB-2/DP-2, and SB-3/DP-3) and analyzed for VOCs by EPA Method 8260 and TRPH by FL-PRO Method. The summary of organic vapor analyzer (OVA) readings is provided on **Table 1**, the soil analytical summary is provided on **Tables 2A, 2B, and 2C**, and the grab groundwater analytical summary is provided on **Tables 4A and 4B**. Soil in excess of the Chapter 62-777, Florida Administrative Code (F.A.C.) soil cleanup target levels (SCTLs) was identified in the samples collected during the March 31, 2004 due diligence investigation. The groundwater samples were below groundwater cleanup target levels (GCTLs).

A DRF was filed in response to the 2004 due diligence investigation.

Professional Service Industries, Inc. (PSI) submitted a template site assessment report (TSAR) on January 20, 2017. The Template Site Assessment Report (TSAR) recommended a Remedial Action Plan (RAP) to address the petroleum hydrocarbons above cleanup target levels in the soil and groundwater.

Review of the Florida Department of Health (FDOH) potable well survey report dated July 19, 2013. (**Appendix A**) reveals 0 large public wells (>150,000 gallons per day; gpd) within a ½ mile radius of the site and 0 small private wells located within a ¼ mile radius of the site.

3.0 SITE ASSESSMENT ACTIVITIES

3.1 Soil Sampling

On May 25, 2021, Atlas conducted two hand auger borings, SB-20 and SB-21. The soil boring locations are illustrated on **Figure 1**. The borings were advanced to approximately 5 feet bls and the water table was encountered at approximately 4 feet bls. Soil samples were collected from each soil boring location at one foot intervals to the boring termination depth for field screening with an OVA equipped with a photo ionizing detector (PID) and lithologic description. The OVA readings are included on **Table 1**.

Soil samples were collected from the vadose zone for lab analysis at 1 foot bls from soil borings SB-20 and SB-21. Samples were sent to SGS Accutest and analyzed for total recoverable petroleum hydrocarbons (TRPH) by FL-PRO. Soil sample collection procedures were performed in accordance with the most recent FDEP soil sampling standard operating procedure (SOP) and related guidance documents. The soil samples collected on May 25, 2021 were below the SCTLs. The soil analytical summary is provided on **Tables 2A, 2B, and 2C**. A figure depicting soil analytical results is provided as **Figure 2**. The calibration log and soil boring logs are provided in **Appendix B**. The laboratory analysis report is provided in **Appendix C**.

3.2 Groundwater Sampling – May 2021

Atlas gauged depth to water measurements from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6 on May 25, 2021. The depth to water ranged from 5.14 feet below top of casing (btoc) in MW-6 to 5.60 feet btoc in MW-5 on May 25, 2021. Depth to water measurements and the calculated groundwater table elevations based on the assumed datum are summarized in **Table 3**. Groundwater flow at the site on May 25, 2021 was toward the east. Groundwater elevation contours are illustrated on **Figure 3**.

Atlas sampled monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6 on May 25, 2021. Monitoring wells were sampled for benzene toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) by EPA Method 8260B, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D, and TRPH by FL-PRO. Groundwater samples were packaged and shipped to SGS North America, Inc. (SGS) under chain of custody. The laboratory analytical results for groundwater samples collected at the site on May 25, 2021, from site monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-6 yielded no concentrations in excess of Chapter 62-777 F.A.C. GCTLs. The groundwater samples collected from monitoring well MW-5 exceeded the GCTLs for ethylbenzene and 1-methylnaphthalene and exceeded the Natural Attenuation Default Criteria (NADC) for naphthalene on May 25, 2021.

Tables summarizing the groundwater analytical results are provided as **Tables 4A** and **4B**. The groundwater analytical results are illustrated on **Figure 4**. The calibration logs and groundwater sampling logs are provided in **Appendix B**, and laboratory analytical report is provided in **Appendix C**.

3.3 Well installation

Monitoring wells MW-7, MW-8, MW-9, and DW-1 were installed at the site by Preferred Drilling Solutions, Inc. (PDS) under the supervision of Atlas on July 21 and 27, 2021. Monitoring wells MW-7, MW-8, and MW-9 are two inches in diameter and were installed to a total depth of 12 feet bls using 8 inch outside diameter hollow stem augers and constructed with ten feet of 0.010 inch schedule 40 polyvinyl chloride (PVC) slotted screen and two feet of solid schedule 40 PVC riser. Monitoring well DW-1 is two inches in diameter and was installed to a total depth of 30 feet bls. Six inch diameter PVC surface casing was installed at DW-1 to a total depth of 22 feet bls using 10 inch outside diameter hollow stem augers. Monitoring well DW-1 is constructed with five feet of 0.010 inch schedule 40 PVC slotted screen and 25 feet of solid schedule 40 PVC riser. The monitoring wells were developed until maximum clarity. The July 2021 well construction and development logs are provided in **Appendix D**.

3.4 Groundwater Sampling – August 2021

Atlas gauged depth to water measurements from monitoring wells MW-7, MW-8, MW-9, and DW-1 on August 11, 2021. The depth to water ranged from 2.81 feet btoc in MW-9 to 3.29 feet btoc in MW-8 on August 11, 2021. Depth to water measurements and the calculated groundwater table elevations based on the assumed datum are summarized in **Table 3**.

Atlas sampled monitoring wells MW-7, MW-8, MW-9, and DW-1 on August 11, 2021. Monitoring well samples were analyzed for BTEX/MTBE by EPA Method 8260B, PAHs by EPA Method 8270D, and TRPH by FL-PRO. The samples were packaged and shipped to SGS under chain of custody. Laboratory analytical results for groundwater samples collected at the site on August 11, 2021, from site monitoring wells MW-7, MW-8, MW-9, and DW-1 yielded no concentrations in excess of Chapter 62-777 F.A.C. GCTLs.

Tables summarizing the groundwater analytical results are provided as **Tables 4A** and **4B**. The groundwater analytical results are illustrated on **Figure 4**. The calibration logs, groundwater sampling log, and laboratory analytical report is provided in **Appendix E**.

4.0 CONCLUSIONS

The results of the soil and groundwater sampling activities at Former Circle K #7335 are summarized as follows:

1. The analytical results from soil samples collected on May 25, 2021 were below FDEP SCTLs.
2. No free phased petroleum hydrocarbons were noted to be present in the monitoring wells at the site during the groundwater sampling events.
3. Groundwater flow is generally to the east.
4. Monitoring wells MW-5 exceed the GCTLs for ethylbenzene and 1-methylnaphthalene and exceeded the NADC for naphthalene.

Atlas recommends preparing a Remedial Action Plan to address the groundwater that remains above NADCs and GCTLs at the site.

TABLE 3: GROUNDWATER ELEVATION SUMMARY

See notes at end of table.

Facility ID#:	36/8518912	Facility Name:	Circle K #2707335						
WELL ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6			
DIAMETER	2-inch	2-inch	2-inch	2-inch	2-inch	2-inch			
WELL DEPTH	12 feet	12 feet	12 feet	12 feet	12 feet	12 feet			
SCREEN INTERVAL	2-12 feet bls	2-12 feet bls	2-12 feet bls	2-12 feet bls	2-12 feet bls	2-12 feet bls			
TOC ELEVATION	20.52	20.32	20.27	20.40	20.50	20.06			
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
2/29/2016	17.00	3.52		16.97	3.30		17.29	3.11	
8/29/2016							17.17	3.33	
11/2/2016							14.90	5.60	
5/25/2021	15.11	5.41		14.83	5.44		14.92	5.14	

WELL ID	MW-7	MW-8	MW-9	DW-1
DIAMETER	2-inch	2-inch	2-inch	2-inch
WELL DEPTH	12 feet	12 feet	12 feet	30 feet
SCREEN INTERVAL	2-12 feet bls	2-12 feet bls	2-12 feet bls	25-30 feet bls
TOC ELEVATION	20.33	20.55	20.06	20.30

DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
8/11/2021	17.30	3.03		17.25	2.81		17.09	3.21	

Notes:
 bls below land surfacw
 TOC Top of casing elevation based on an arbitrary 20.00 ft elevation to the cap on the sidewalk
 DTW Depth to water
 FP free product

TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs

Sample		Facility Name: 36/8518912		Facility Name: Circle K #2707335														See notes at end of table.		
Location	Date	Naphthalene (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo (g,h,i)perylene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Benzo (a)pyrene (µg/L)	Benzo (a)anthracene (µg/L)	Benzo (b)fluoranthene (µg/L)	Benzo (k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz (a,h)anthracene (µg/L)	Indeno (1,2,3-cd)pyrene (µg/L)	
SB-1/DP-1	3/31/2004	10																		
SB-2/DP-2	3/31/2004	1.0 U																		
SB-3/DP-3	3/31/2004	1.0 U																		
MW-1	2/29/2016	0.035 U	0.047 U	0.044 U	0.037 U	0.036 U	0.036 U	0.040 U	0.051 U	0.038 U	0.039 U	0.048 U	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	
MW-2	2/29/2016	0.035 U	0.047 U	0.044 U	0.037 U	0.036 U	0.036 U	0.040 U	0.051 U	0.038 U	0.039 U	0.048 U	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	0.33 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	
MW-3	2/29/2016	0.035 U	0.047 U	0.044 U	0.037 U	0.036 U	0.036 U	0.040 U	0.051 U	0.038 U	0.039 U	0.048 U	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.036 U	0.19 U	0.19 U	0.19 U	0.19 U	0.035 U	0.032 U	0.072 U	0.031 U	0.058 U	0.031 U	0.036 U	
MW-4	8/29/2016	0.11	0.15	0.044 U	0.086 U	0.036 U	0.036 U	0.040 U	0.051 U	0.10	0.14	0.048 U	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	0.40 U	1.6	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	
MW-5	8/29/2016	1600	410	500	2.9	0.036 U	0.33	0.040 U	0.70	3.2	2.9	0.47	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	315	57.8	19.9 U	12 U	12 U	7.7 U	1.2 U	7.7 U	7.7 U	7.7 U	7.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
MW-6	11/2/2016	0.035 U	0.047 U	0.044 U	0.037 U	0.036 U	0.036 U	0.040 U	0.051 U	0.038 U	0.039 U	0.048 U	0.043 U	0.037 U	0.059 U	0.046 U	0.051 U	0.026 U	0.037 U	
	5/25/2021	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	
MW-7	8/11/2021	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	
MW-8	8/11/2021	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.19 U	0.031 U	0.19 U	0.19 U	0.19 U	0.19 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U	

LEGEND:

⊕	MONITORING WELL
⊙	DEEP MONITORING WELL
●	SOIL BORING - MAY 2021 (QTY. 2)
○	LIGHT POLE
⊕	UTILITY POLE
⊕	STORM WATER CATCH BASIN
▨	CONCRETE PAVEMENT
▨	ASPHALT PAVEMENT
▨	GRASS / LANDSCAPING / UNPAVED
▨	UST UNDERGROUND STORAGE TANK

---	APPROXIMATE PROPERTY BOUNDARY
---	FENCE
---	UNDERGROUND PRODUCT LINE
---	UNDERGROUND COMMUNICATION LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND NATURAL GAS LINE
---	UNKNOWN UNDERGROUND UTILITY
---	OVERHEAD WIRE
---	UNDERGROUND SANITARY LINE
---	UNDERGROUND STORMWATER LINE
---	UNDERGROUND WATER LINE

0 Approximate Feet 20

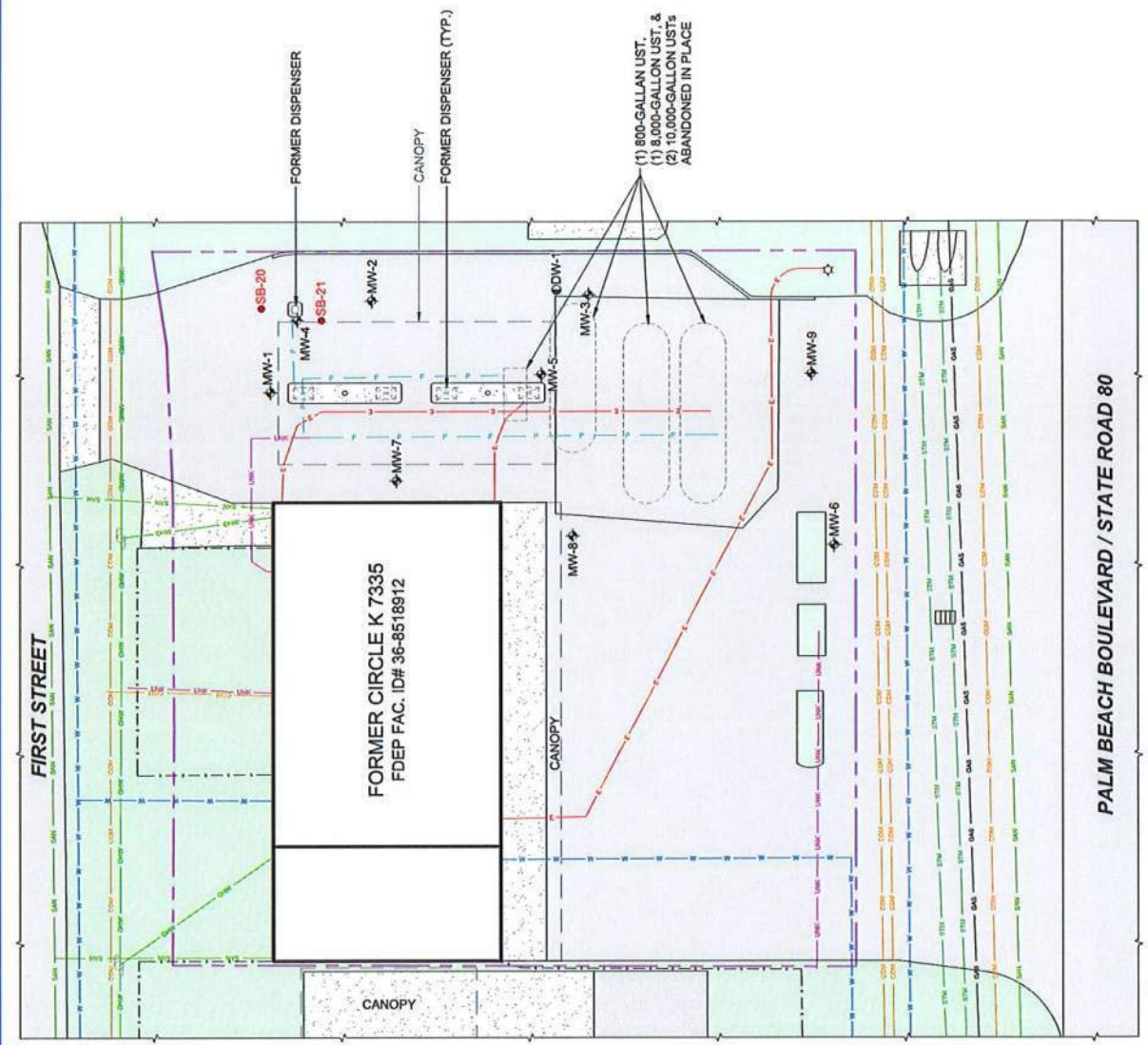
NAME/ADDRESS:
 FORMER CIRCLE K 7335
 FDEP FAC. ID# 36-8518912
 12250 Palm Beach Boulevard
 (Historical Address: 12255 Palm Beach Blvd.)
 Fort Myers, Lee County, Florida

DRAWING TITLE:
 SITE PLAN

Certificate of Authorization #7733
 5622 Thompson Center Ct., Ste. 455
 Fort Myers, FL 33904
 (813) 833-8800
 (813) 838-8794 FAX

ATC

DRAWN BY: J.J.D. | FIGURE NO. 1
 CHECKED BY: K.Z.
 PROJECT NO. 211280059



LEGEND:

◆	MONITORING WELL
●	SOIL BORING - OCT. 2003
●	SOIL BORING - MAR. 2004
●	SOIL BORING - 2016
●	SOIL BORING - MAY 2021 (QTY. 2)
○	LIGHT POLE
⊕	UTILITY POLE
▨	STORM WATER CATCH BASIN
▨	CONCRETE PAVEMENT
▨	ASPHALT PAVEMENT
▨	GRASS / LANDSCAPING / UNPAVED
▨	UST UNDERGROUND STORAGE TANK

	DATE SAMPLED (mm/dd/yy)
	DEPTH SAMPLED (FEET BLS)
	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH) BY FL-PRO parts per million.
	ALL RESULTS IN mg/kg (milligrams per kilogram) parts per million.
	BLS (BELOW LAND SURFACE).

0 Approximate Feet 15

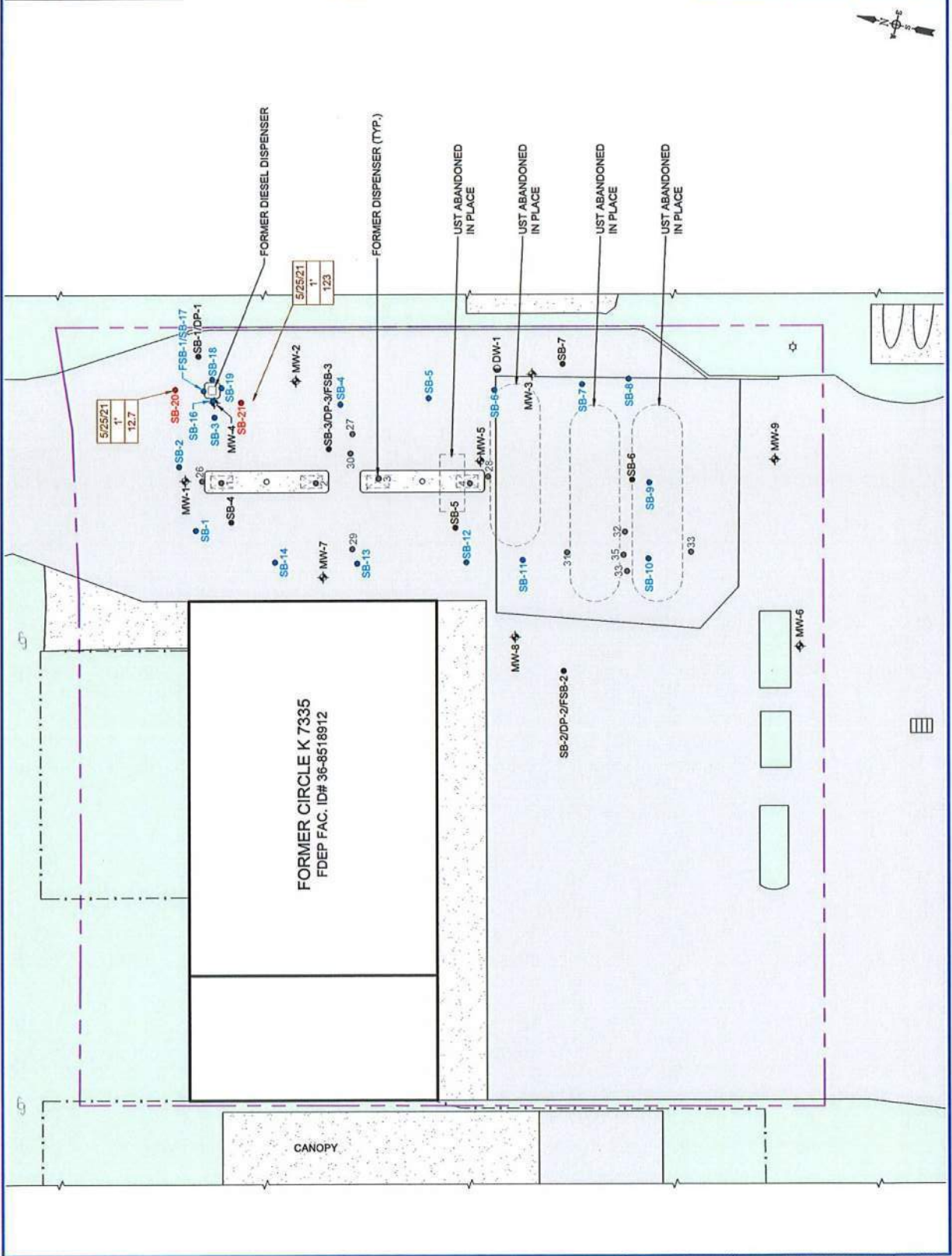
NAME/ADDRESS:
 FORMER CIRCLE K 7335
 FDEP FAC. ID# 36-8518912
 12250 Palm Beach Boulevard
 (Historical Address: 12255 Palm Beach Blvd.)
 Fort Myers, Lee County, Florida

DRAWING TITLE:
 SOIL ANALYTICAL RESULTS
 SUMMARY MAP - 5/25/2021

ATC
 Certificate of Authorization #7763
 5422 Thompson Center Ct. Ste 405
 Tampa, Florida
 (813) 886-8754 FAX

DRAWN BY: J.J.D. K.Z.
 CHECKED BY:
 PROJECT NO. Z11280036

FIGURE NO. **2**



LEGEND:

◆	MONITORING WELL
○	SOIL BORING - MAY 2021 (QTY. 2)
○	LIGHT POLE
○	UTILITY POLE
○	STORM WATER CATCH BASIN
▨	CONCRETE PAVEMENT
▨	ASPHALT PAVEMENT
▨	GRASS / LANDSCAPING / UNPAVED
▨	LIST UNDERGROUND STORAGE TANK
---	APPROXIMATE PROPERTY BOUNDARY
---	FENCE

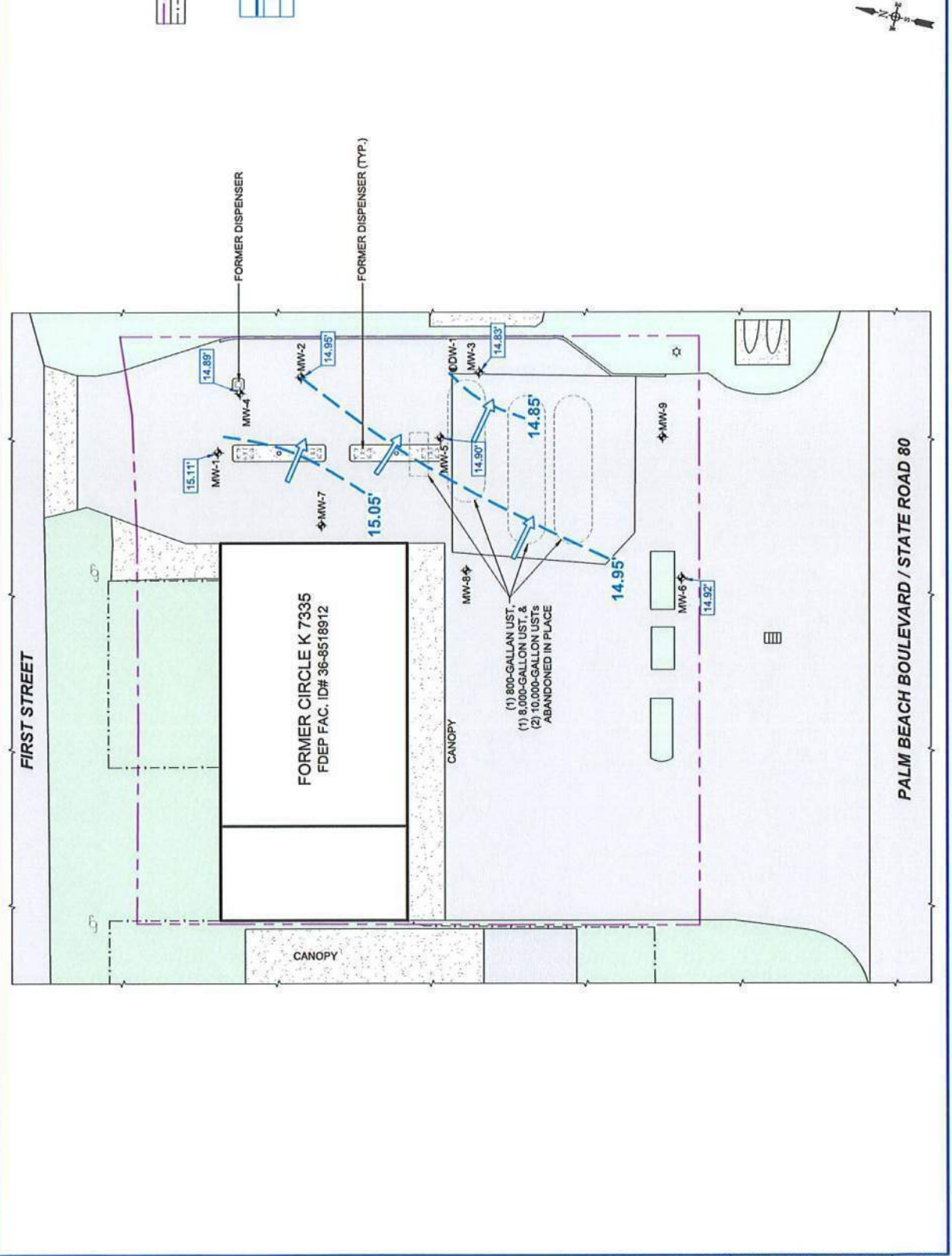


NAME/ADDRESS:
 FORMER CIRCLE K 7335
 FDEP FAC. ID# 36-8518912
 12250 Palm Beach Boulevard
 (Historical Address: 12255 Palm Beach Blvd.)
 Fort Myers, Lee County, Florida

DRAWING TITLE:
**GROUNDWATER ELEVATION
 CONTOUR MAP - 5/25/2021**



Certificate of Authorization #7783
 5422 Thompson Center Ct. Ste 405
 Fort Myers, Florida
 (813) 898-8794 FAX
 DRAWN BY: J.J.D. | K.Z.
 CHECKED BY:
 PROJECT NO. 2112000036
3



0 Approximate Feet 20

LEGEND:

◆	MONITORING WELL
○	SOIL BORING - MAY 2021 (QTY: 2)
○	LIGHT POLE
○	UTILITY POLE
○	STORM WATER CATCH BASIN
○	CONCRETE PAVEMENT
○	ASPHALT PAVEMENT
○	GRASS / LANDSCAPING / UNPAVED
○	UNDERGROUND STORAGE TANK

---	APPROXIMATE PROPERTY BOUNDARY
---	FENCE

DATE SAMPLED (mm/dd/yy)	
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER (MTBE)
N	NAPHTHALENE
1	1-METHYLNAPHTHALENE
2	2-METHYLNAPHTHALENE
F	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH) BY FL-PRO

ALL RESULTS IN µg/L (micrograms per liter = parts per billion).
BOLD TEXT indicates concentration exceeds Groundwater Cleanup Target Level (GCTL).
 Most recent sampling event highlighted.
INDICATES REPORTED VALUE IS BETWEEN METHOD DETECTION LIMIT AND PRACTICAL QUANTIFICATION LIMIT.
U ANALYTE NOT DETECTED AT METHOD DETECTION LIMIT.

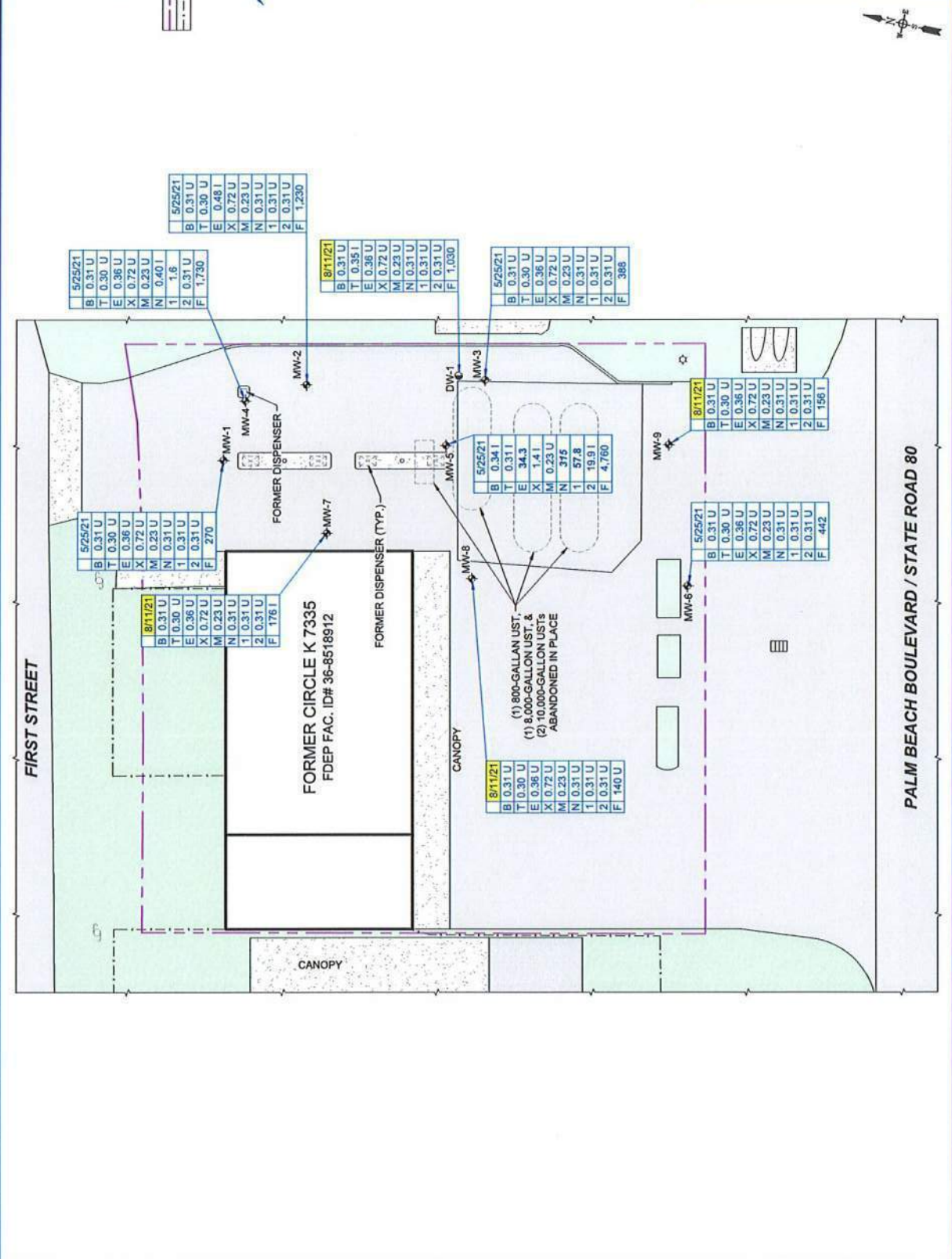
0 Approximate Feet 20

NAME/ADDRESS:
 FORMER CIRCLE K 7335
 FDEP FAC. ID# 36-8518912
 12250 Palm Beach Boulevard
 (Historical Address: 12255 Palm Beach Blvd.)
 Fort Myers, Lee County, Florida

DRAWING TITLE:
 GROUNDWATER ANALYTICAL RESULTS SUMMARY MAP - 8/11/2021

ATC
 Certificate of Authorization #7713
 5627 Thompson Center Ct. Ste. 405
 Fort Myers, Florida
 (813) 888-8764 FAX

DRAWN BY: J.J.D. K.Z.
 CHECKED BY: K.Z.
 PROJECT NO. Z112000836
 FIGURE NO. 4



SITE 13 – FORT MYERS SHORES FIRE DEPARTMENT STATION 81

12345 PALM BEACH BLVD

DATA ENTERED

Department of Environmental Regulation

OCT 31 1986

Stationary Tank Registration/Notification Form

Form 17-1.218(2)

BY GMP
FT MYERS, CITY - FT MYERS SHORES FIRE DEPT.

NAME: FT MYERS SHORES FIRE DEPT.
MAIL ADDRESS: 12345 Palm Bch Blvd SE
CITY/STATE: FT. MYERS, FL 33905-4898

(Make corrections to name and addresses here)

1. Facility/Addressee name: _____

Facility address: _____

Mailing address: _____

FACILITY LOCATION

ADDRESS: _____
CITY/STATE: SAME AS ABOVE

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

- 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 cases 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.)
 - Retrofitting within 10 days of completion. (Questions 1-19)
- You may notify the department of a change of operator. (Questions 1-6)

Agency Use Only

C H

PLEASE PRINT OR TYPE

2. Facility number (DER will provide this number) 368627451 3. Date _____
4. Federal Employment Identification (number used to file IRS forms) 59-1750750
5. County Code (see enclosed letter) Lee County 36
6. Operator of facility FT MYERS SHORES BOARD OF FIRE COMMISSIONERS
 Effective date (only for change of operator): BD Telephone number: _____
7. Company/Person owning tanks and piping: FT MYERS SHORES FIRE DEPT.
 Address: 12345 Palm Bch Blvd SE FT MYERS FL 33905-4898
 Contact person: CHIEF Donald Baucum Telephone number: (813) 694-2833
 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?
 Underground Aboveground
9. Facility location. Latitude _____ Longitude _____ Section 30 Township 43 Range 26
 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.

Donald L. Baucum Name of owner, operator or authorized representative
Donald Baucum Chief 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

RECEIVED

MAY 21 1986

INSTRUCTIONS: Use one row across for each tank counted in question 8. The tank number must agree with the number on the sketch of your facility. A new tank installed where a registered tank was removed should be given the number of the removed tank with an R and a number added. Example: Tank 3R1 is first replacement for tank 3. It is in the same place where tank 3 was. Tank 3R2 is the second replacement for tank 3. Attach extra pages if necessary. Write your facility number, if known, or name and address, exactly as it appears on the front of the form, on all extra pages.

(12) Tank Number	(13) Tank Size in Gallons	(14) Tank Contents (see List 14 below)	(15) Tank Installation Date, Month/Year (put X if unknown)	(16) Underground or Aboveground Tank (write U or A)	(17) Tank Construction Specifics (see List 17U or 17A below)	(18) Integral Piping System Construction Specifics (see List 18 below)	(19) Monitoring System Type (see List 19)	(20) Tank Disposal Method (see List 20)
1	1000	A	XX/XX	U	C	D	A-Y	F

ENTER THE LETTERS WHICH APPLY TO EACH TANK IN THE BOXES ABOVE. WRITE ALL THAT APPLY.

List 14	List 17U UNDERground Tanks	List 17A ABOVEground Tanks	List 18	List 19	List 20
Tank contents are: leaded gasoline. unleaded gasoline. Alcohol enriched gasoline. diesel fuel. aviation fuel. other.	Underground tank: A. has overfill 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. J. is concrete. K. is in secondary containment. N. is or has none of the above.	Aboveground tank: O. has overfill protection. P. is surrounded by impervious dike. Q. is surrounded by earth dike. R. rests on an impervious base. S. rests on a earth/gravel base. T. has interior lined bottom. U. is cathodically protected. V. is built of/coated with corrosion resistant materials. W. is supported above the soil. Z. is or has none of the above.	Integral Piping System has: A. no parts in contact with the soil. Parts contacting the soil which are: B. unprotected metal. C. built of corrosion resistant materials. D. corrosion resistant coated. E. cathodically protected. F. double-walled. G. within a secondary containment. H. interior lined. M. none of the above.	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-walled tank. H. continuous in piping. I. not required. N. none of the above.	Tank disposal method. A. Filling. B. Removal. C. Retrofitting. F. Other.

FORT MYERS SHORES FIRE DEPARTMENT

FIRE STATION 694-2833

DONALD BAUCOM
Chief

12345

Palm Bch Blvd

SE.

FT. MYERS FL 33905-4898

N
A
f

STATION

UNDERGROUND
1000 GAL TANK #1

Pump

RECEIVED

MAY 21 1986

Bureau of
Waste Management
Stationary Tanks

SITE 20 – DAVID C. BROWN FARMS

HWY 31



Department of Environmental Protection

9401433

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

November 14, 1996

David C. Brown Farms
2665 Oakridge Ct.
Fort Myers, Florida 33901

Dear Tank(s) Owner:

Thank you for your communication regarding DEP facility #14/9401433/M
Facility name and physical location:

David C. Brown Farms-Arcadia Grove/Ranch
State Road 31
Arcadia, Florida

RECEIVED
D.E.P.
97 JUL -7 AM 10:41
STORAGE TANK
REGULATION

However, we will not be able to update your record until you supply us with the following information:

- New tanks owner name: _____
Mailing Address: _____
Phone/Onsite Contact: _____

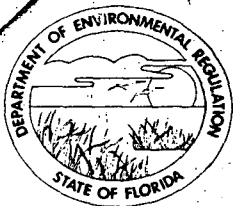
- Status of tank(s). Please circle correct status:
Abandoned: _____ Fee still due. Date: _____
Closed: _____ Underground filled with inert material. Date: _____
Above ground properly closed: _____ Date: _____
Removed ✓ Number of tanks 1 Size 100 0 Date: 2-15-96
Temporarily out of service: _____ Fee still due. Date: _____

- Other: Please send any documented information pertaining to this facility. We must have the correct dates of any removals, or revisions on tanks.

Authorized Signature: _____
Please sign

DEP-PHONE: (904)487-7077

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



State of Florida
 Department of Environmental Regulation
**Pollutant Storage Tank System
 Inspection Report Form**

Facility ID #: 149401433 County: DeSoto
 Facility Name: DAVID C. BEAN FARM - ARCADIA GOLF RANCH
 Facility Location: S.R. 31 EAST ARCADIA
 Facility Contact: PATTY VALENTINE Phone: (823) 275-3411
 Owner: DAVID C. BEAN FARM Phone: (823) 275-3411
 Owner Address: 2665 DARRIDGE CT, 1007 MYERS FL 33901
 Owner Contact: GENE BARNETT Owner Change Date: _____
 Latitude: _____ Longitude: _____ Fac. Type: AGR

Tank #	Size	Contents	Date Installed	Under or Above	Tank Type	Integral Piping	Monitoring System	Tank Status
1	500	D	2/22	A	C	A1	Y	U
2	500	G	2/22	A	C	A1	Y	U
4	1000	H	22/22	A	C	Y	Y	F
3, 5, 6, 7	500	H	22/22	A	C	A1	Y	U, U, U, U
8, 9, 10, 11	500	H	22/22	A	C	A1	Y	U, U, U, F

RECEIVED
 JUL - 7 AMID: U
 STAFF
 INSPECTION

Comments: (1) FACILITY HAS 10 (500) GALLON TANKS + 1 1000 GALLON
 OIL-OIL-SERVICE TANK. (2) THIS FACILITY IS NOT A REGULATED
 FACILITY INSPECTION WAS CONDUCTED TO VERIFY REGISTRATION
 INFORMATION WHICH LIST FACILITY AS A REGULATED
 ENTITY WITH 10 (1000) GALLON TANK.

Inspection Type: (Choose One) <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Installation <input type="checkbox"/> Abandoned <input type="checkbox"/> Discharge (DRF) <input type="checkbox"/> Closure <input type="checkbox"/> Reinspection	Site Information: (All that apply) <input type="checkbox"/> Near Public Wells <input type="checkbox"/> Contaminated <input type="checkbox"/> Complaint <input type="checkbox"/> Acid Tanks <input type="checkbox"/> Repaired <input type="checkbox"/> Upgraded <input type="checkbox"/> Both UST & <u>AST</u> <input type="checkbox"/> Hazardous Materials
---	---

DER District or Local Program HAS DESOTO CPHU

Winston C. Anderson Inspector Name (Print): GENE BARNETT Contact Name (Print):
WAnderson 1/29/96 Inspector's Signature & Date: [Signature] Contact's Signature & Date

FACILITY COPY



Name 149401433
 Facility ID # JAN 29, 76
 Date _____

**ABOVEGROUND STORAGE TANK
COMPLIANCE INSPECTION FORM**

Yes	No	Unk	N/A
-----	----	-----	-----

I. REGISTRATION/NOTIFICATION: Comments: FACILITY HAS INSUFFICIENT REGISTRATION INFORMATION TANKS DO NOT MEET ALL NEEDS TO BE REGISTERED ARE TANK ARE UNDER SITES

1. Facility has registered all applicable tanks on site; 17-762.400	1				✓
2. Current registration placard is properly displayed; 17-762.410(4)	2				✓
Proper notification has been made for the following; 17-762.450:					
3. Abandonment and closure (30 days prior); (1) (a)	3				✓
4. Change of ownership (30 days after); (1) (b)	4				✓
5. Retrofitting, replacement or upgrading; (10 days prior); (1) (c)	5				✓
6. Change of tank status (in service/out-of-service); (1) (d)	6				✓
7. Change of facility status (e.g. substances stored); (1) (e)	7				✓
8. Change of method of financial responsibility (within 30 days); (2)	8				✓
9. The facility owner/operator notified D.E.R. of internal tank inspection 24 hrs prior to the test; (3)	9				✓
10. Loss of greater than 100 gallons on an impervious surface or 500 gallons inside secondary containment within one working day; 450(4)	10				✓

II. RECORD KEEPING: Comments: UNREGULATED FACILITY HAS NO RECORD KEEPING REQUIREMENTS

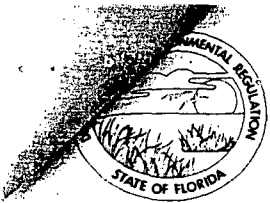
11. All records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	11				✓
12. Some but not all records were maintained for two (2) years and were available for inspection within five (5) working days; 17-762.710	12				✓

III. REPORTING/DISCHARGE RESPONSE/REPAIRS: Comments: NO VISIBLE EVIDENCE OF POLLUTANT DISCHARGE EXCEPT SMALL SPOTS OF SURFACE FILLS IN THE VICINITY OF TANKS, S

Proper reporting requirements met for the following; 17-762.460					
13. Integral piping tightness test failure within 10 days; (1)	13				✓
14. Pollutant discharge exceeding 25 gallons on a pervious surface; (2)	14				✓
15. Positive response of a release detection device within one working day; (3)	15				✓
The owner or the operator of the system which has discharged has:					
16. Taken it out-of-service; 17-762.700; (1) had it repaired or replaced; 700; or properly closed it; 800	16				✓
17. Removed any regulated substances from the system; 17-762.820 (1)	17				✓
18. Tightness tested all repaired components before placing them back in service; 17-762.700 (5) & (6)	18				✓
19. Begun initial corrective actions for a release; 17-762.820 (2)	19				✓

IV. INVENTORY REQUIREMENTS FOR TANKS IN CONTACT WITH SOIL: Comments: NOT REQUIRED

20. All inventory requirements maintained in accordance with 17-762.720 (1)	20				✓
21. Some, but not all inventory requirements maintained in accordance with 17-762.720 (1)	21				✓



Name: _____
 Facility ID # 149401433
 Date: Jan. 29, 15

**ABOVEGROUND STORAGE TANK
 COMPLIANCE INSPECTION FORM**

Yes	No	Unk	N/A
-----	----	-----	-----

V. PERFORMANCE STANDARDS/REPAIRS/CATHODIC PROTECTION: Comments: _____

Storage tank criteria 17-762.500				
22. Meets construction upgrading schedule; .510 and .520				✓
23. Meets applicable storage tank standards; (1), (2) & (3)	✓			
24. Tank has secondary containment system; .500 (6)	✓			
25. Tank equipped with overfill protection; (3) (f) 1-4, (g)			✓	✓
Piping criteria				
26. Meets new piping standards with secondary containment; .500 (4) & .600 (4)				✓
27. Meets construction upgrading schedule; 17-762.510 (3), & 520 (2)				✓
Repairs to storage tank systems; 17-762.700				
28. Failed storage tank system component properly repaired; (1)-(4)				✓
29. Tightness testing of the repaired component prior to being brought back into service; (5)				✓
Cathodic Protection; 17-762.730				
30. Cathodic protection system for tank and piping provides continuous protection; (1)-(4)				✓
Secondary containment; 17-762.500				
31. Does containment area have sufficient volume; .500 (6) (a) (2)				✓
32. Is the containment area made out of impervious material in accordance with Chapter 17-762, F.A.C., requirements; (6) (a) (1)				✓
33. Is the containment area equipped with drainage system or protected from accumulation of rain; (6) (a) (3)				✓
34. Hydrant pits equipped with spill prevention equipment; (5)				✓

VI. RELEASE DETECTION/MONITOR WELLS: Comments: UNABLE TO VERIFY CURRENT OPERATIONAL STATUS IN THE ABSENCE OF RECORD KEEPING INFORMATION

35. Facility has an approved release-detection system; 17-762.600 & 17-762.860			✓	
36. Monitoring wells properly designed, constructed and installed; 17-762.640 or 17-762.600 (6)				✓
37. Interstitial monitoring adequate to detect a release from integral piping; 17-762.600 (4) & (5)				✓

VII. OUT-OF-SERVICE STATUS: Comments: THE OBSERVED 100 GALLON TANK WAS NOT SUBJECT TO ANYTHING INABLE AND HAS BEEN RECORDED

38. Are the corrosion protection devices properly maintained; 17-762.800 (1) (a)				✓
39. Is the vent line and other ancillary equipment properly secured and maintained; (1) (b)				✓
40. Tests performed to insure the integrity of out-of-service system prior to being returned to service; (1) (c)				✓

VIII. VARIANCE: Comments: N/A

41. Has the facility applied for an Alternate Procedure; 17-762.850 (1)			✓	
---	--	--	---	--

IX. OTHER: Comments: N/A

42. Any other violations noted during inspection (Explain in comments)				✓
--	--	--	--	---



Florida Department of Environmental Regulation
 Twin Towers Office Bldg. • 2000 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761300(2)
 Form for Storage Tank Registration Form
 Effective Date December 10, 1990
 DER Application No. _____ (Filed with DER)

Storage Tank Registration Form

Please Print or Type - Review Instructions Before Completing Form

DATA ENTERED
 AUG 12 1994
 BY: [Signature]

1. DER Facility ID Number: 9401433 2. Facility Type: _____
 3. New Registration New Owner Data Facility Revision Tank(s) Revision
 4. County and Code of tank(s) location: DeSoto County, Florida / _____

5. Facility Name: David C. Brown Farms-Arcadia Grove & Ranch
 Tank(s) Address: State Route 31
 City/State/Zip: Arcadia, Florida 33821
 Contact Person: Patty Valentine, Controller Telephone: (813) 275-3411

6. Financial Responsibility Type: A

7a. Tank(s) Owner: David C. Brown Farms
 Owner Mailing Address: 12689 New Brittany Blvd
 City/State/Zip: Fort Myers, FL 33907
 Contact Person: same as above Telephone: (____) _____

7b. New Owner Signature/Change Date: _____ / _____ / _____

8. Location (optional) Latitude: ____° ____' ____" Longitude: ____° ____' ____" Section ____ Township ____ Range ____

RECEIVED
 AUG 22 1994
 TALLAHASSEE
 FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19

20. _____ OPR# _____
 Certified Contractor Department of Professional Regulation License Number*

*For new tank installation or tank removal

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

Print name & title of owner or authorized person _____ Signature _____ Date _____

Northwest Office
 100 Government Center
 Panama City, Florida 32301-1794
 904-436-6300

Northwest Office
 7625 Government Office, Suite 3 200
 Jacksonville, Florida 32207
 904-754-4200

Central Office
 3316 Macquett Blvd, Suite 222
 Orlando, Florida 32819-3767
 407-425-1100

Southwest Office
 4320 Oak Park Blvd.
 Tampa, Florida 33610-7207
 813-477-5500

South Office
 2240 Bay St.
 San Mateo, Florida 32081-2000

Southeast Office
 1000 S. Congress Ave., Suite A,
 West Palm Beach, Florida 33411



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-781.900(2)
 Form Title Storage Tank Registration Form
 Effective Date December 10, 1990
 DER Application No. _____ (Filed in by DER)

Storage Tank Registration Form

RECEIVED
 ORDER
 AUG 9 PM 4:15
 STORAGE TANK
 REGULATION

DATA ENTERED
 AUG 12 1994
 BY: *[Signature]*

Please Print or Type - Review Instructions Before Completing Form

1. DER Facility ID Number _____ 2. Facility Type: M
 3. New Registration New Owner Data Facility Revision Tank(s) Revision
 4. County and Code of tank(s) location: DeSoto County, Florida / _____

5. Facility Name: David C. Brown Farms, Inc. (Arcadia Grove) & Ranch
 Tank(s) Address: 12689 New Brittany Blvd.
 City/State/Zip: Fort Myers, FL 33907
 Contact Person: Patty Valentine, Controller Telephone: (813) 275-3411

6. Financial Responsibility Type: A

7a. Tank(s) Owner: Same as above
 Owner Mailing Address: _____
 City/State/Zip: _____
 Contact Person: _____ Telephone: (____) _____

7b. New Owner Signature/Change Date: N/A / ____ / ____ / ____

8. Location (optional) Latitude: ____° ____' ____" Longitude: ____° ____' ____" Section 33 Township ____ Range ____
Phillips Property

Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

9	10	11	12	13	14	15	16	17	18	19
4	1000	H	2/92	A	C	A	Z	U	N/A	N/A
6	1000	H	2/94	A	C	AA	Z	U	N/A	N/A
12	1000	H	2/94	A	C	A	Z	U	N/A	N/A
13	1000	H	2/94	A	C	A	Z	U	N/A	N/A

20. N/A Certified Contractor* DPR# N/A Department of Professional Regulation License Number*

*For new tank installation or tank removal

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

DAVID C BROWN, OWNER Print name & title of owner or authorized person
David C. Brown Signature
4/26/94 Date

CODES LIST FOR DER STORAGE TANK REGISTRATION FORM 17-761.900(2)

#2 - FACILITY TYPE

- | | | |
|----------------------------------|---------------------------------|---|
| A. Retail station | G. State government | M. Agricultural |
| B. Residence | H. Local government | N. Indian land |
| C. Fuel user/non-retail | I. County government | T. Coastal bulk petroleum or chemical storage |
| D. Inland bulk petroleum storage | J. Collection station | V. Marine fueling facility |
| E. Industrial plant | K. Inland bulk chemical storage | Z. Other; please specify |
| F. Federal government | L. Chemical user | |

#6 - FINANCIAL RESPONSIBILITY

- A. State Program - Third party liability/State contractor (FLIPA/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.
 O. None

#9 - TANK IO NUMBER

Number sequentially, 1,2,3; or provide specific identifying name or number; 6 characters, maximum

#10 - TANK SIZE IN GALLONS

#11 - CONTENT

- | | | |
|-------------------------------|---|--|
| A. Leaded gasoline | H. Fuel - generator or pump | R. Ammonia compound |
| B. Unleaded gasoline | K. Kerosene | S. Chlorine compound |
| C. Gasohol | L. Waste oil | T. Hazardous substance (CERCLA) |
| O. Vehicular diesel | M. Fuel oil; on-site heat use only; all USTs or ASTs < 30K gals | U. Mineral acid |
| E. Aviation gasoline | N. Fuel oil; distribution, or on-site heat use ASTs > 30K gals | V. Grades 5 & 6, bunker 'C' residual oils |
| F. Jet fuel | O. New & lube oil | W. Petroleum-base additive |
| G. Fuel - emergency generator | Q. Pesticide | X. Other, miscellaneous petroleum-base product |

#12 - INSTALLATION DATE (mm/yy)

#13 - TANK PLACEMENT

- A = Aboveground tank
 U = Underground tank

- C = Aboveground Compression Vessel
 O = Underground Compression Vessel

#14 - TANK CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner tank construction for double well tanks

- | | | |
|----------------------------------|--|--|
| Primary Construction: | C. Steel | X. Concrete |
| | D. Unknown | Y. Polyethylene |
| | E. Fiberglass | Z. Other OER approved tank material |
| | F. Fiberglass-cled steel | |
| Overfill/Spill: | A. Bell check valve | M. Spill containment bucket |
| | N. Flow shut-off | P. Level gauges, high-level alarms |
| | O. Tight fill | Q. Other OER approved protection method |
| Corrosion Protection: | G. Cathodic protection - sacrificial anode | H. Cathodic protection - impressed current |
| Secondary Containment: | I. Double well construction: single material; outer tank material same as inner tank material | |
| | R. Double well construction: dual material; outer tank constructed of concrete, approved synthetic material or tank "jacket" | |
| | J. Synthetic liner in tank excavation | |
| | K. Concrete, synthetic material, end/or offsite clays beneath AST and in containment area | |
| | S. Other DER approved secondary containment system | |
| Miscellaneous attributes: | B. Internal lining | U. Field erected tank |
| | L. Compartmented | |

#15 - PIPING CONSTRUCTION - choose one primary construction and all other codes that apply; primary is inner pipe construction for double wall piping

- | | | |
|----------------------------------|--|---------------------------------------|
| Primary Construction: | B. Steel or galvanized metal | Y. Unknown |
| | C. Fiberglass | Z. Other OER approved piping material |
| | N. Approved synthetic material | |
| Corrosion Protection: | D. External protective coating | |
| | E. Cathodically protected with sacrificial anode or impressed current | |
| Secondary Containment: | F. Double well construction: single material; outer pipe material same as inner pipe material | |
| | M. Double well construction: dual material; outer pipe constructed of approved synthetic material or pipe "jacket" | |
| | G. Synthetic liner or box/trench liner in piping excavation or pipe containment area | |
| Miscellaneous attributes: | A. Aboveground, no contact with soil | K. Dispenser liners |
| | I. Suction piping system | L. Bulk product system |
| | J. Pressurized piping system | H. Airport/seaport hydrant system |

#16 - LEAK DETECTION METHODS - choose all that apply

- | | | |
|---------------------------|---|--|
| Site/general: | A. Automatically sampled wells | B. Manually-sampled wells |
| | C. Groundwater monitoring plan | O. SPCC Plan |
| | N. Groundwater monitoring system | Q. Vapor monitoring system |
| | I. Not required - see rule for exemptions | X. None |
| | Y. Unknown | Z. Other OER approved monitoring method |
| Tank monitoring: | E. Interstitial space - tank/liner | L. Automatic tank gauging |
| | F. Interstitial space - double wall tank | M. Manual tank gauging |
| Piping monitoring: | G. In-line detector, auto shut off | J. Interstitial space - piping/liner |
| | H. In-line flow restrictor | K. Interstitial space - double wall piping |

#17 - TANK STATUS &/or TANK DISPOSAL

- A. Properly closed in place - UST filled with sand, concrete or other inert material; AST rendered unusable
 B. Removed from the site
 * A or B: Closure Assessment required after 12/10/90 (UST); 03/12/91 (AST) - EDI sites excluded
 F. Unmaintained tank - not in use or to be used, and not properly disposed
 T. Temporarily out-of-service
 U. In-service

#18 - GALLONS LEFT

in out-of-service tank

#19 - LAST USED DATE (mm/yy) or date of permanent closure

APPENDIX G

SUMMARY OF ACTIVITIES REPORT

ASBESTOS CONTAINAING MATERIALS AND METAL BASED COATING ASSESSMENT

SUMMARY OF ACTIVITIES REPORT

**ASBESTOS CONTAINING MATERIALS
AND METALS BASED COATINGS ASSESSMENT**

**Wilson Pigott Draw Bridge No. 120064 Rehabilitation
Lee County, Florida
FDOT Financial Project ID: 440055-1-C2-32**

Submitted to:

**Florida Department of Transportation, District 1
801 North Broadway Avenue
P.O. Box 1249
Bartow, Florida 33831-1249**

Submitted by:

**NorthStar Contracting Group, Inc.
2760 S. Falkenburg Road
Riverview, Florida 33578
Telephone: (813) 684-4400**

May 2019

SUMMARY OF ACTIVITIES REPORT

**ASBESTOS CONTAINING MATERIALS
AND METALS BASED COATINGS ASSESSMENT**

**Wilson Pigott Draw Bridge No. 120064 Rehabilitation
Lee County, Florida
Contract No.: BE149
FDOT Financial Project ID: 440055-1-C2-21
NorthStar Project Number: 4019108**

Statement of Professional Review

This report has been reviewed and the work contained herein has been found to conform to commonly accepted procedures consistent with applicable standards of practice. No guarantee or warranty is expressed or implied.

Prepared by:



Geoffrey Ferlita
Staff Geologist

Date:

5/28/19

Reviewed by:



Philip L. Glover, PG, LEP
Senior Geologist I

Date:

5-28-19

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1	Site Vicinity Map
2A	Asbestos Sample Locations Map
2B	Asbestos Sample Locations Map
3A	Metals Based Coatings Sample Locations Map
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1	Metals Based Coatings Analytical Summary
2	Metals Based Coatings TCLP Sample Results

APPENDICES

A	Health and Safety Plan
B	Photographs
C	Subcontractor Reports

1.0 INTRODUCTION

At the request of the Florida Department of Transportation (FDOT), NorthStar Contracting Group, Inc. (NorthStar) conducted an asbestos-containing materials (ACM) and metals-based coatings (MBC) assessment to confirm the presence or absence of these materials on Bridge No. 120064. This work was authorized under Letter of Authorization (LOA) 72 to Contract No. BE149. Potential ACM and MBC were required to be identified at the bridge prior to FDOT performing renovation or demolition activities, pursuant to the requirements under the Asbestos Hazard Emergency Response Act (AHERA), the asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP) under Section 112 of the Clean Air Act and the rules and requirements for lead based coating inspections under Title 40 of the Code of Federal Regulations Part 745 (40 CFR 745) and Title X of the 1992 Housing and Community Development Act.

The bridge is located in Lee County, Florida. A Site Vicinity Map is provided as **Figure 1**. Site maps presenting the ACM and MBC sample locations are included as **Figures 2A, 2B, 3A and 3B**.

2.0 SUMMARY OF ACTIVITIES

2.1 Pre-Survey Activities

NorthStar personnel prepared a site-specific Health and Safety Plan (HASP), and coordinated ACM survey activities through Diversified Management Corporation, Inc. (DMC). NorthStar personnel conducted the MBC survey activities.

2.2 Survey Activities

On February 21, 2018, NorthStar and DMC personnel mobilized to Bridge No. 120064 to conduct ACM and MBC survey activities. Prior to starting work, NorthStar personnel conducted a Health and Safety meeting in accordance with the HASP (**Appendix A**). NorthStar personnel remained on-site to provide oversight and to provide Health and Safety support and supervision for DMC personnel. Photographs documenting site activities are provided as **Appendix B**.

The certified ACM inspector conducted a site walk of the bridge and identified homogeneous areas of suspect materials, *i.e.*, areas that appeared to have been constructed around the same time and from the same source of potential ACM. The survey methodology was based on the AHERA rules and procedures outlined in 40 CFR 763. The inspector identified fifteen (15) homogeneous areas of suspect ACM on the bridge. Between two (2) and three (3) bulk samples were collected from each of the homogenous areas listed above, and a total of 44 bulk samples

were submitted for laboratory analysis. No ACM sample 3 was collected. The approximate sampling locations are presented on **Figures 2A and 2B**.

NorthStar's MBC inspector conducted a site walk of the bridge to identify any surface coatings that may contain lead, arsenic, cadmium, chromium or zinc. The survey methodology was based on "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" [Department of Housing and Urban Development (HUD), 1995; 1997 for Chapter 7 Revision]. A total of 13 sampling areas were identified along the bridge for testing, and a total of 13 samples were collected, including yellow lane paint, white lane paint, green paint, light gray class 5, gray class 5, tan graffiti paint, gray graffiti paint, tan tender house paint, black tender house paint, red paint, yellow paint, gray paint and light gray paint. The approximate sampling locations are presented on **Figures 3A and 3B**.

2.3 Laboratory Analytical Methods

The ACM samples were submitted to Arrowhead Technologies, LLC, an independent laboratory accredited by the National Voluntary Laboratory Accreditation Program for bulk asbestos fiber analysis. The laboratory analyzed the samples for asbestos using polarized light microscopy and dispersion staining, in accordance with the procedures outlined in U.S. Environmental Protection Agency (USEPA) Method 600/R-93/116.

The MBC samples were submitted to Advanced Environmental Laboratories, Inc. (AEL), an accredited facility in Tampa, Florida, accredited by the National Environmental Laboratory Accreditation Program for metals analyses. The MBC samples were analyzed for arsenic, cadmium, chromium, lead and zinc by USEPA Method 6010C. Two (2) composite samples (Comp 1 and Comp 2), were analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) for arsenic, cadmium, chromium and lead. Additionally, one (1) grab sample (PS-11), was analyzed for TCLP lead because a high total lead concentration was detected using USEPA Method 6010C.

2.4 Survey Results

The laboratory analytical results indicated that asbestos was detected in three (3) of the 44 bulk samples (sample locations 19, 20 and 21) collected from Bridge No. 120064. ACM samples 19, 20 and 21 contained 5% Chrysotile in the green 12"x12" floor tile (bottom layer of tile) and 5% Chrysotile in the underlying black mastic within the tender house. In accordance with 40 CFR 763, all other identified homogeneous areas were considered not to contain ACM because the results of samples collected from each homogeneous area indicated asbestos content of 1 percent or less.

A summary of the laboratory analytical results for the MBC samples collected at Bridge 120064 (PS-1 through PS-13) is provided in **Table 1**. Sample analyses indicates the tested coatings contain metals above detectable levels. In particular, an elevated concentrations of lead [9,700 milligram per kilogram (mg/kg)] was detected in sample PS-11, which exceeded the federal criteria for lead based coatings (**Table 1**).

Two (2) composite samples; Comp 1, which was comprised of MBC samples PS-1, PS-2 and PS-5 through PS-7; and Comp 2, which was comprised of MBC samples PS-3 and PS-8 through PS-13, were collected from Bridge No. 120064 and submitted to AEL for laboratory analysis. Sample analyses for composite samples Comp 1 and Comp 2 indicate the tested coatings, as an aggregate, do not contain metals concentrations above the TCLP Regulatory Levels. However, sample PS-11 contained an exceedance (30 mg/L) for lead. A summary of the laboratory analytical results for the TCLP samples is provided in **Table 2**.

Copies of the Report of a Comprehensive National Emission Standards for Hazardous Air Pollutants (NESHAP) Demolition Asbestos Survey as prepared by DMC, laboratory analytical reports and Chain of Custody Records for the ACM bulk samples and the MBC test results are provided in **Appendix C**.

3.0 CONCLUSION AND RECOMMENDATIONS

At the request of the FDOT, NorthStar provided ACM and MBC survey services on Bridge No. 120064 in support of planned improvement activities. **Based on the results of the ACM survey of Bridge No. 120064 conducted by DMC on February 21, 2019, ACM is present in the bridge tender house at ACM sample points 19, 20 and 21 (bottom layer of floor tile and mastic), which would impact construction activities.** NorthStar recommends abatement activities for the bridge at asbestos homogeneous area 7 - Bridge Tender House 12" Floor Tile (bottom layer) if the area will be impacted by future construction activities.

If the bridge renovation contractor encounters any material on any area of the bridge that may potentially contain ACM, renovation activities should be halted immediately and the FDOT District 1 District Contamination Impact Coordinator (Mr. Jeffrey W. James) should be contacted at (863) 519-2625. Please refer to section 7.0 of DMC's asbestos survey report in **Appendix C** for further conclusions and recommendations.

Based on the results of the MBC survey, elevated concentrations of lead were detected in sample PS-11 (yellow paint), located along the catwalk underneath the bridge deck. The concentrations detected exceeded both the federal criteria for lead based coatings as well as the TCLP regulatory level. During demolition and renovation activities additional testing may be required during waste characterization to determine if the paint in the vicinity of PS-11 (yellow paint) must be disposed of as hazardous waste.

4.0 RESPONSE ACTIONS

4.1 O&M and Abatement Plan for ACM in Floor Tile & Mastic

The asbestos homogeneous area 7, 12"x12" Floor Tile and Adhesive Mastic (bottom layer), located in the bridge tender house, contains ACM.

Renovation or demolition can proceed with engineering controls that maintain the 12" Floor Tile and mastic as non-friable. The use of wet demolition methods is required.

Operations and Maintenance:

While ACM remains on the structure, O&M procedures should be in effect. These include:

Employees working in the tender house shall be notified that bottom layer of the 12" Floor Tile and mastic contains ACM.

No attempt shall be made to remove the 12" Floor Tile and mastic to ensure the material remains non-friable.

In the event that the renovation cannot be proceed without impacting the 12" Floor Tile and mastic, the 12" Floor Tile and mastic will need to be removed by a qualified asbestos contractor prior to the renovation.

Abatement:

Regulated asbestos-containing material (RACM) must be abated prior to demolition or renovation of a facility in accordance with USEPA NESHAP 40 CFR, Subpart M, Part 61.145 and with the abatement procedures described in the Florida asbestos program described in Chapter 62-257, Florida Administrative Code. Additionally, work practices and engineering controls described in OSHA Construction Standard 1926.1101 must be implemented, utilizing personnel licensed in accordance with Chapter 469 of the Florida Statutes.

No asbestos abatement activities shall be performed without prior approval of the Department's Representative, and a Florida-licensed asbestos contractor shall be retained to perform the asbestos abatement.

Notifications for abatement or demolition shall be sent to Mr. Robert Stewart of the South District Office of the Florida Department of Environmental Protection at least 10 working days prior to abatement activities. Mr. Stewart's email address is: Robert.j.stewart@dep.state.fl.us.

Personal protective equipment shall consist of half-face negative pressure air-purifying respirators, hoods, gloves, boots and disposable coveralls during isolation, preparation and abatement activities. Additionally, a minimum of 25% of the personnel working in the exclusion zone must wear personal air monitors to determine worker exposure.

Area air sampling shall be conducted before, during and after ACM abatement by a licensed asbestos inspector.

The ACM shall be wetted immediately prior to removal. During removal, the ACM shall be double-bagged, labelled and placed in a box truck or trailer for transportation to a certified disposal facility. An Asbestos Waste Shipment Record shall be completed and shall accompany the asbestos waste to the disposal facility. A copy of the Asbestos Waste Shipment Record shall be submitted to FDOT.

The estimated cost for abatement of the 12" Floor Tile and mastic is \$7,500.00.

4.2 Response Actions for MBC

Contractors should perform demolition or renovation activities in a manner that will ensure workers are not exposed above the permissible exposure limits as specified by the Occupational Safety and Health Administration 29 CFR Subpart Z. Worker protection in the presence of metals or metals containing materials may include, but is not limited to, engineering controls, work-practice controls, hygiene facilities and practices, medical surveillance, medical removal protection for employees whose blood lead levels exceed a predetermined action limit, and employee training. Careful review and consideration of all applicable laws and regulations is recommended before determining what level of exposure exists at this rest area and what Occupational Safety and Health Administration (OSHA) standards should be applied to support compliance with federal regulatory standards. Operations such as blasting, sanding, grinding, burning or cutting the painted surfaces have the potential to produce airborne metals particles. Contractors should also ensure that paint chips are not released to the environment and are containerized and labeled for subsequent disposal.

Based on the TCLP results for the PS-11 MBC sample, the yellow paint located along the catwalk underneath the bridge deck generated from renovation of the bridge is required to be handled as hazardous waste. Any coating wastes generated from this bridge will be properly disposed of solely by the responsible contractor.

Because of the continuous operations of the bascule bridge, NorthStar recommends stabilization of the lead-based coating referenced above. Stabilization of this coating involves

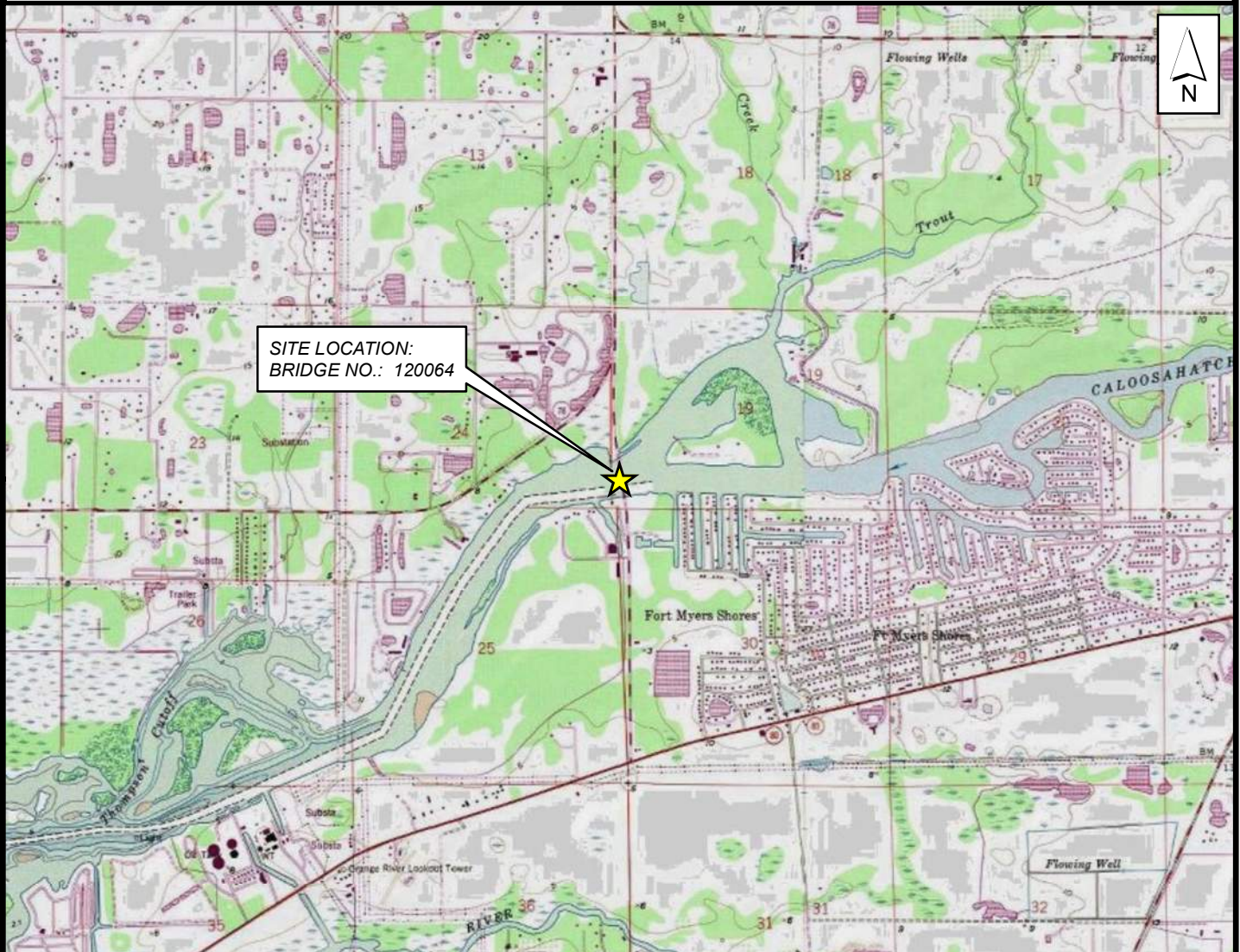
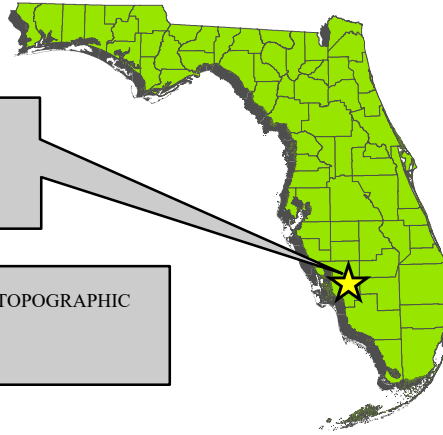
removing loose paint and other material from surfaces containing lead-based paint, and applying a new paint or protective coating over these surfaces.

The estimated cost for stabilization of the yellow paint is \$5,000.00.

FIGURES

**Site Location:
Lee County, Florida**

UNITED STATES GEOLOGICAL SURVEY 7.5' TOPOGRAPHIC
QUADRANGLE MAP FOR LEE COUNTY,
FT. MYERS QUADRANGLE



0 0.5 1 2 Miles

PROJECT NO.: 40-19-108	GIS ID: 4019108A001	PROJECT MANAGER: PHIL GLOVER, PG, LEP
REVISION NO.: 00	REVISION DATE: 00/00/2019	DATE: 3/20/2019
DRN BY: RL	CHK BY: PG	STATUS: FINAL

NorthStar
Contracting Group, Inc.

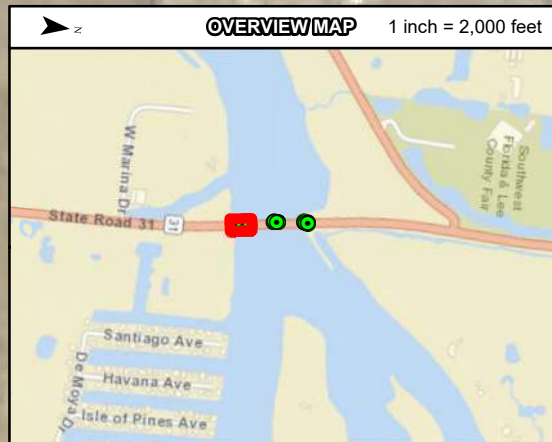
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PHONE: (813) 684-4400 FAX: (813) 684-9177

FIGURE 1
SITE VICINITY MAP
WILSON PIGOTT DRAW
BRIDGE NO.: 120064 REHABILITATION
LEE COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 440055-1-C2-32



Wilson Pigott Draw Bridge
Bridge No.: 120064

Tender House

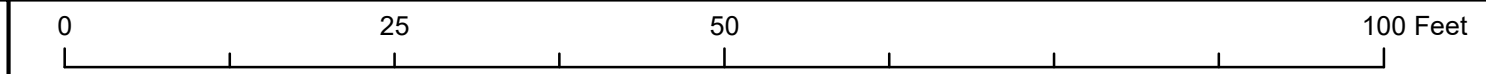


Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, OpenStreetMap contributors, and the GIS User Community

Legend

Asbestos Sample Location

*Indicates Sample was Collected from Underneath Bridge



PROJECT NO.: 40-19-108		SCALE: AS SHOWN	
PROJECT MANAGER: PHIL GLOVER, PG, LEP			
DRN BY: RL		REVISION NO.: 00	
DATE: 03/14/2019		REVISION DATE: 00/00/2019	
CHK BY: PG		STATUS:	

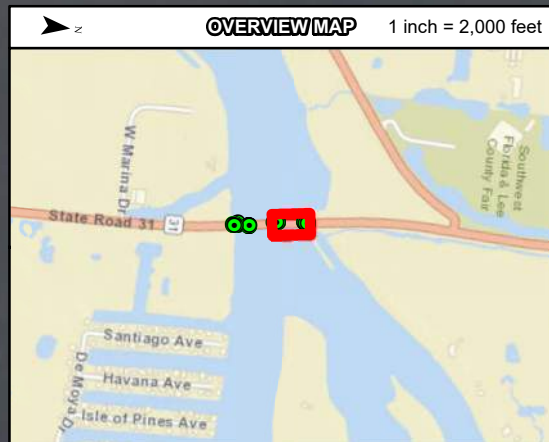
NorthStar
Contracting Group, Inc.

2760 S. FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
 PH:(813) 684-4400 FAX:(813) 684-9177
 FLORIDA BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 2A
 ASBESTOS SAMPLE LOCATIONS MAP
 WILSON PIGOTT DRAW
 BRIDGE NO.: 120064 REHABILITATION
 LEE COUNTY, FLORIDA
 FDOT FINANCIAL PROJECT NO.: 440055-1-C2-32




Wilson Pigott Draw Bridge
 Bridge No.: 120064



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Legend

 Asbestos Sample Location

*Indicates Sample was Collected from Underneath Bridge

0		40		80		160 Feet	
PROJECT NO.: 40-19-108		SCALE: AS SHOWN					
PROJECT MANAGER: PHIL GLOVER, PG, LEP							
GIS ID: 4019108A003							
DRN BY: RL		REVISION NO.: 00					
DATE: 03/14/2019		REVISION DATE: 00/00/2019					
CHK BY: PG		STATUS:					



2760 S. FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
 PH:(813) 684-4400 FAX:(813) 684-9177

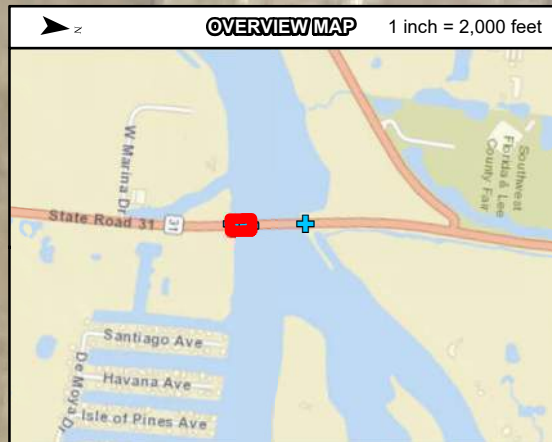
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 2B
 ASBESTOS SAMPLE LOCATIONS MAP
 WILSON PIGOTT DRAW
 BRIDGE NO.: 120064 REHABILITATION
 LEE COUNTY, FLORIDA
 FDOT FINANCIAL PROJECT NO.: 440055-1-C2-32



Wilson Pigott Draw Bridge
Bridge No.: 120064

Tender House

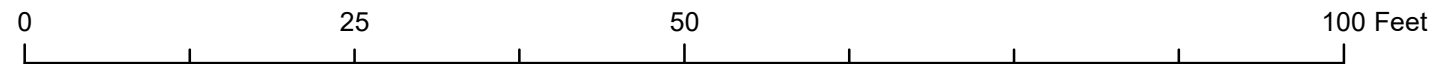


Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, OpenStreetMap contributors, and the GIS User Community

Legend

Metals Based Coatings Sample Location

*Indicates Sample was Collected from Underneath Bridge



PROJECT NO.: 40-19-108	SCALE: AS SHOWN
PROJECT MANAGER: PHIL GLOVER, PG, LEP	
GIS ID: 4019108A004	
DRN BY: RL	REVISION NO.: 00
DATE: 03/14/2019	REVISION DATE: 00/00/2019
CHK BY: PG	STATUS:

NorthStar
Contracting Group, Inc.

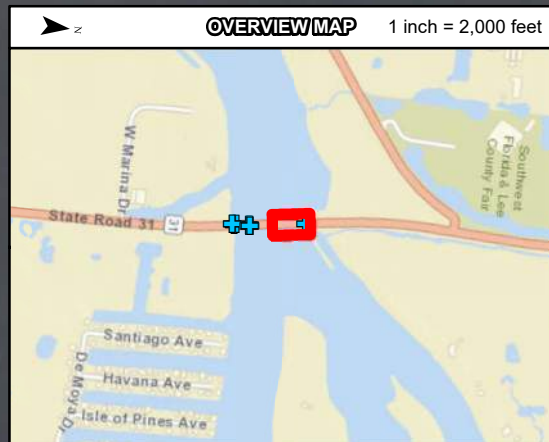
2760 S. FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
 PH:(813) 684-4400 FAX:(813) 684-9177
 FLORIDA BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 3A
 METALS BASED COATINGS SAMPLE LOCATIONS MAP
 WILSON PIGOTT DRAW
 BRIDGE NO.: 120064 REHABILITATION
 LEE COUNTY, FLORIDA
 FDOT FINANCIAL PROJECT NO.: 440055-1-C2-32



Wilson Pigott Draw Bridge
Bridge No.: 120064

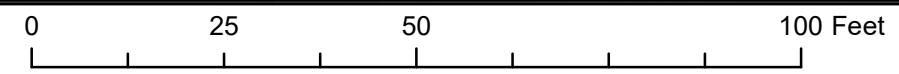
PS5
+



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Legend

+ Metals Based Coatings Sample Location



PROJECT NO.: 40-19-108	SCALE: AS SHOWN
PROJECT MANAGER: PHIL GLOVER, PG, LEP	
GIS ID: 4019108A006	
DRN BY: RL	REVISION NO.: 00
DATE: 03/14/2019	REVISION DATE: 00/00/2019
CHK BY: PG	STATUS:



2760 S. FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
 PH:(813) 684-4400 FAX:(813) 684-9177
 FLORIDA BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF AUTHORIZATION NO.: 30941

FIGURE 3B
METALS BASED COATINGS SAMPLE LOCATIONS MAP
WILSON PIGOTT DRAW
BRIDGE NO.: 120064 REHABILITATION
LEE COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO.: 440055-1-C2-32

TABLES

TABLE 1
Metals Based Coatings Analytical Summary
Wilson Pigott Draw Bridge No. 120064 Rehabilitaion
Lee County, Florida
FDOT Financial Project No. 440055-1-C2-32

Bridge 120064														
	Sample ID	PS-1	PS-2	PS-3	PS-4	PS-5	PS-6	PS-7	PS-8	PS-9	PS-10	PS-11	PS-12	PS-13
Metal	Location	White Lane Paint (mg/Kg)	Yellow Lane Paint (mg/Kg)	Green Paint (mg/Kg)	Light Gray Class 5 (mg/Kg)	Gray Class 5 (mg/Kg)	Tan Grafitti Paint (mg/Kg)	Gray Grafitti Paint (mg/Kg)	Tan Tender House Paint (mg/Kg)	Black Tender House Paint (mg/Kg)	Red Paint (mg/Kg)	Yellow Paint (mg/Kg)	Gray Paint (mg/Kg)	Light Gray Paint (mg/Kg)
Arsenic	-	0.79 I	0.51 U	5.8	0.28 U	1.7 I	7.0	1.3 I	0.33 U	2.1	1.1 I	8.4	1.2 I	0.77 I
Cadmium	-	0.060 U	0.15 I	0.57	1.1	0.22	0.26	0.18	0.15	2.8	1.2	2.0	1.4	0.34
Chromium	-	1.0 I	19	37	4.0	38	8.4	15	3.0	11	68	540	49	11
Lead	-	0.50 U	81	150	5.6	13	4.3	22	1.6	29	29	9,700	770	24
Zinc	-	56	59	2,500	16,000	220	72	62	3,100	340	20,000	18,000	1,000	300

Notes:

mg/kg = milligrams per kilogram

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U = The comound was analyzed for but not detected.

TABLE 2
Metals Based Coatings TCLP Sample Results
Wilson Pigott Draw Bridge No. 120064 Rehabilitaion
Lee County, Florida
FDOT Financial Project No. 440055-1-C2-32

Metal	TCLP Regulatory Level, mg/L	Sample ID	Sample ID	Sample ID
		Comp 1 (1,2,5,6,7)	Comp 2 (3,8,9,10,11,12,13)	PS-11
Arsenic	5.0	0.014 U	0.014 U	NA
Cadmium	1.0	0.0012 U	0.026	NA
Chromium	5.0	0.14	0.047	NA
Lead	5.0	0.15	0.78	30

Notes:

TCLP = Toxicity Characteristic Leachate Procedure

mg/L = milligrams per liter

NA = Not analyzed.

U = The comound was analyzed for but not detected.

Bolded and highlighted values exceed TCLP Regulatory Limit.

APPENDIX A

HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

Wilson Pigott Draw Bridge
Bridge No. 120064
PID 440055-1-C2-32
FDOT Contract Number: BE149
ABM / MBC Assessment
2760 South Falkenburg Road
Riverview, Hillsborough County, Florida



NorthStar

2760 South Falkenburg Road
Riverview, Hillsborough County, Florida

TARGET
COMMITTED TO SAFETY
ZERO

Health and Safety Plan Approvals

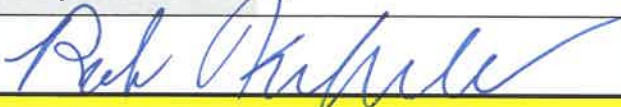

Scheduled Start-up Date:	Scheduled Start-up Time:
2/21/2019	09:00 AM
Project Name:	Site Location:
Wilson Pigott Draw Bridge No. 120064	Fort Myers, Lee County, Florida
<p>By signing below, the specific technical and management solutions to work site hazards prescribed herein are approved, and we commit to providing a work environment in line with NorthStar's vision of Safety – First and Always.</p>	
Health and Safety Plan Author: Rob Kilduff	
Signature: 	Date: 2/19/2019
HEALTH AND SAFETY PLAN APPROVAL	
Project Manager: Phil Glover	
Signature: 	Date: 2-19-19

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Appendix A. Field Forms

1.0 Health and Safety Plan

The purpose of this site-specific Health and Safety Plan (HASP) is to ensure a safe working environment for NorthStar's employees, subcontractors, and visitors; as well as to facilitate compliance with relevant governmental laws, standards and regulations relating to health, worker safety and the environment. The intent of this HASP is to identify specific hazards associated with the performance of work under the scope of the contract and to prescribe and implement technical and management solutions to protect personnel.

This HASP is designed to provide the means to establish, achieve, and maintain safe working conditions through informational programs and persistent review and improvement of facilities and practices that protect the health and safety of all personnel.

This HASP provides a formal mechanism to facilitate protection of workers against foreseeable health and safety risks. This plan documents specific requirements and procedures for the protection of field personnel while working on the subject project. Other personnel, such as visitors and inspectors who enter areas under direct control of this task, must read, understand, and comply with this plan in order to ensure their own personal safety while performing prescribed activities in controlled areas. NorthStar shall take all necessary precautions in order to prevent injury to the public, building occupants (as applicable), or damage to property belonging to others. NorthStar shall meet or exceed all public safety requirements related to this project.

The contents of this Health and Safety Plan will be strictly followed during this project. This HASP will be on-site at the work location while work is being performed. If revisions to this plan are required, those revisions will be incorporated into this plan.

The provisions of the plan are mandatory for all onsite employees engaged in onsite environmental investigation and remediation activities associated with this project. Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan should be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

This specific plan is not to be used for other projects or subsequent phases of this project without the written approval of the EHS Representative. A copy of this plan is to be maintained at the site during all work related activities.

2.0 Project Contact Information

2.1 Project Contacts			
Project Title	Wilson Pigott Draw Bridge: Bridge No. 120064		
Scope of Work	<ul style="list-style-type: none"> • MOT • ACM / MBC Surveying 		
Key Personnel			
Project Manager	Phil Glover	Phone	(813) 323-5750
Superintendent	Brent Anderson	Phone	(813) 967-7447
Site Safety Officer	Rob Kilduff	Phone	(401) 533-0642
NorthStar Claims Reporting	Corporate EHS	Phone	(409) 886-3959
Fire Department / EMS	Fort Myers Shores Fire Station 81	Phone	(239) 694-2833
Ambulance Service	Various	Phone	911
Hospital (Urgent Care)	Urgent and Convenient Care Center	Phone	(239) 303-9298
Hospital (EMERGENCY)	Lee Memorial Hospital	Phone	(239) 343-2000

2.2 Emergency and Incident Response

Dial 911 from a cellular phone for the following:

- Occupational injury or illness that may require emergency treatment.
- Fires.
- Spill or release

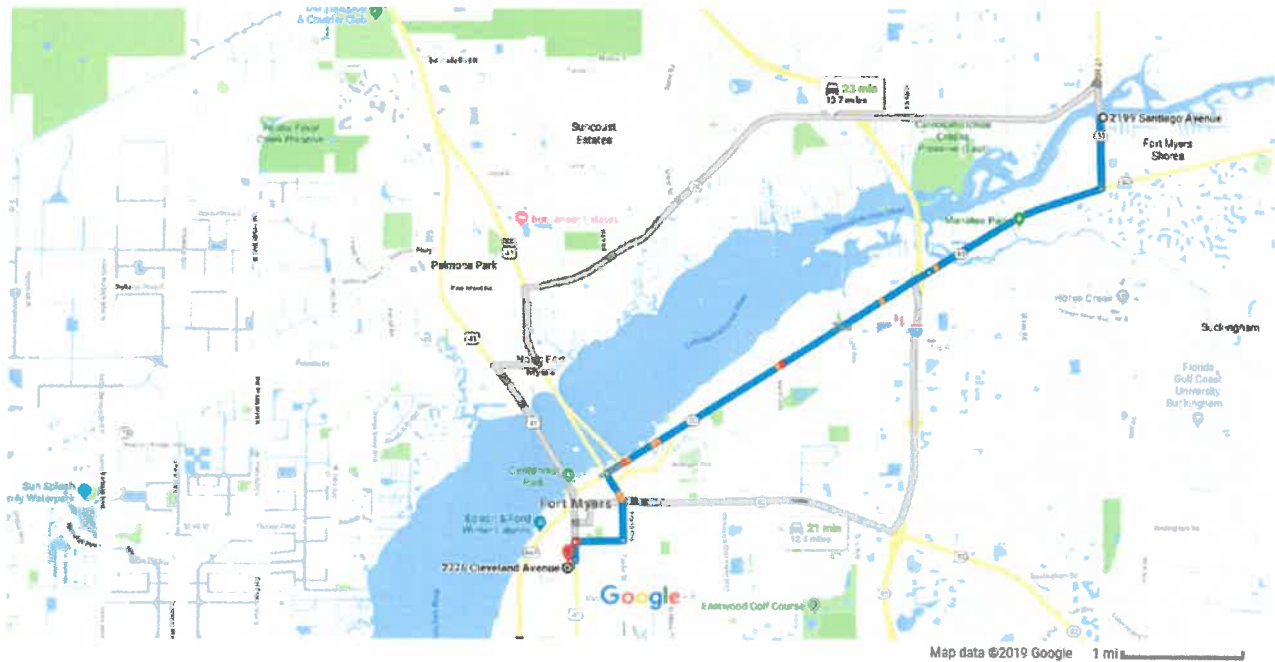
All incidents MUST be reported to the Health and Safety Manager immediately.

Telephone location	Employees carry cellular phones
---------------------------	---------------------------------

Site address	17277 SR 31, Fort Myers, FL 33905
---------------------	-----------------------------------

Nearest Hospital (w/ Urgent Care)	<p>Lee Memorial Hospital 2776 Cleveland Ave, Fort Myers, FL 33901</p> <p>22 MIN 10.6 MILES</p> <ol style="list-style-type: none"> 1. Head south on SR 31 and follow for 1.0 miles. 2. Turn right onto SR-80 W and follow for 2.5 miles 3. Take slight right to stay on FL-80 W and follow for 5.1 miles. 4. Turn left onto Fowler St and follow for 1.0 miles. 5. Turn right onto Edison Ave and follow for 0.6 miles. 6. Turn left onto Cleveland Ave and follow for 0.3 miles. 7. Turn right onto Llewellyn Drive and follow for 302 feet. 8. Turn Left onto Congress Street and follow for 466 feet. 9. Destination will be on the right.
--	--

Map route to Lee Memorial Hospital (call 911 for ambulance if health emergency occurs) 2776 Cleveland Ave



The referenced hospital location will be used to provide medical treatment in the event of an injury requiring treatment services beyond the capabilities of on-site first aid. On-site NorthStar personnel maintain current First Aid / CPR training certifications and can administer first aid services. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Health and Safety Representative. Injuries requiring emergency medical treatment or ambulance services must be reported to facility project manager.

2.3 Urgent Care Clinic

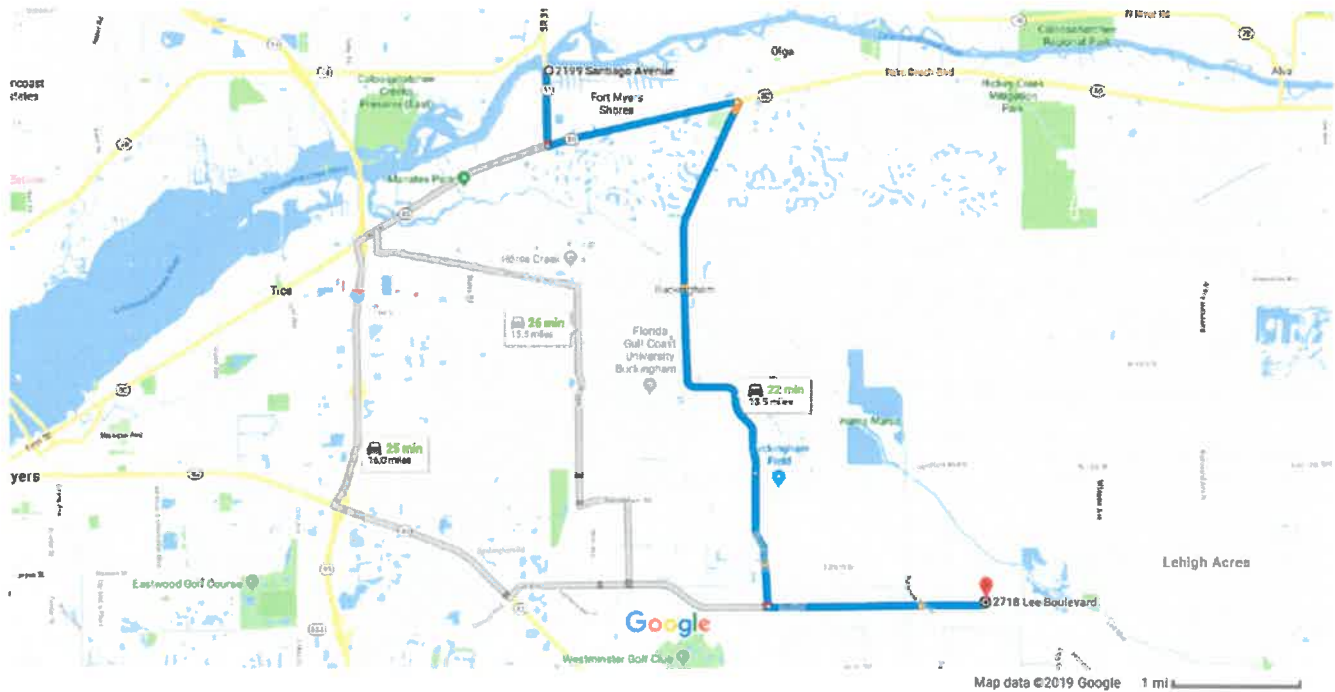
Urgent Care Clinic

Urgent and Convenient Care Center
2718 Lee Blvd,
Lehigh Acres, FL 33971

23 MIN | 13.5 MILES

1. Head south onto SR 31 and follow for 1.0 miles.
2. Turn left onto SR 80 E / Palm Beach Blvd and follow for 2.5 miles.
3. Turn right onto Buckingham Rd and follow for 5.5 miles.
4. Take slight left onto Gunnery Rd N and follow for 1.7 miles.
5. Turn left onto Lee Blvd and follow for 2.7 miles.
6. Turn left onto Hanna Ave N and follow for 361 ft.
7. Turn right onto 5th St W and follow for 249 feet.
8. Destination will be on the right

Map Route to Urgent and Convenient Care Center 2718 Lee Blvd, Lehigh Acres, FL 33971



The referenced Urgent Care Clinic will be used to provide medical treatment for non-life threatening injuries that are beyond the capabilities of on-site first aid. First aid kits are available in work areas and in the on-site emergency stations. All injuries regardless of severity must be immediately reported to the Site Safety Officer and FDOT EHS Representative.

2.3 Emergency Rally Points

2.3.1 Facility Evacuation Meeting Point

The evacuation meeting point will be the singular point all employees are to meet at in the event of a site evacuation. Once at the meeting point the NorthStar Superintendent will take a head count to ensure all personnel have safely evacuated. The location of the meeting point will be selected during the Tailgate safety meeting conducted by the Superintendent or Health and Safety Officer prior to beginning work each day. The rally point will vary depending on site conditions and wind direction.

2.3.2 Emergency Communications

Communication of the emergency on site will be provided through the use of verbal communication, hand signals, and cell phones.

3.0 Health and Safety Management

NorthStar takes a highly proactive approach to safety, and the teams' outstanding safety record reflects a continuous dedication to excellence in this area. In addition to adherence to required regulatory training and standards, NorthStar implements company-specific programs across all operations and departments in a concerted effort to promote safety awareness, employee well-being, and the safest possible on-site work practices.

NorthStar follows NIOSH's Hierarchy of Controls to select a preferred method to reduce or eliminate exposure to the work area hazard. The Hierarchy of controls describes that the control methods in order of preference are: elimination or substitution, engineering controls, warnings, training, and personal protective equipment.

The purpose of this plan is to assign responsibilities, establish personal protection standards and mandatory safety procedures, and provide for contingencies that may arise while operations are being conducted at the site. This plan complies with, but does not replace, State and Federal Health and Safety Regulations. This plan is to be used by NorthStar as a supplement to such rules, regulations, and guidance.

The provisions of the plan are mandatory for all onsite employees engaged in performance of the scope of work associated with this project.

Changing and/or unanticipated site conditions may require modification of this site safety plan in order to maintain a safe and healthful work environment. Any proposed changes to this plan must be reviewed with the NorthStar EHS Representative prior to their implementation. Under no circumstances will modifications to this plan conflict with Federal, state, or other governmental health and safety regulations.

3.1 Safety Program Goals

NorthStar's goal for this project is to Target Zero - zero injuries and illnesses. Our objectives are to ensure employees are well informed in the hazards particular to the scope of work; all employees are comfortable, confident, and knowledgeable before engaging in any task; employees are encouraged and take ownership of participating in the safety process; and that any time a situation presents itself without a clear plan of action, work will be stopped until a resolution is reached.

3.2 *Stop Work Authority*

All employees on site have the authority and responsibility to stop work for conditions posing imminent hazard or danger. Imminent hazards are those hazards or situations, if allowed to persist, likely to cause an accident resulting in death, serious injury, significant property damage, or environmental impairment. NorthStar considers no activity to be so urgent or important that its standards for environmental protection, safety, or health may be compromised. Employees have the right and responsibility not to perform tasks or activities they feel pose undue risk to themselves, co-workers, or the environment.

3.3 *Safety Meetings*

Before the start of work each day, all NorthStar employees will attend a safety meeting. Topics for the Tailgate Safety Meetings will be selected based on observations of behaviors or conditions from previous days, or in response to upcoming activities. The emergency rally point will be selected during this meeting.

During the morning safety meeting, each crew will devote time to discussing the scope of work, the planned activities for the days, and all associated potential hazards related to those activities. This information will be documented in a bound field book and each day's health and safety meeting notes shall be signed by all crew members. All NorthStar employees and subcontractors working on the site are expected and required to attend the Tailgate Safety Meeting.

3.4 *Site Compliance Inspections*

In order to ensure compliance with regulatory agencies and NorthStar's internal procedures and expectations, field inspections will be performed on all our projects. On all job sites Health and Safety Representatives or the Supervisor in charge will perform regular and frequent inspections of the condition of the work site. Any findings generated from the inspection will be recorded on the inspection form and included into the corrective action tracking log. Any deficiencies found during any inspection are to be corrected immediately. Corrective actions that cannot be completed immediately will be tracked for follow-up with the responsible personnel. Only items requiring transfer/purchase of additional materials and/or equipment, or require follow-up meetings or training will not be corrected immediately.

3.5 *Safety Interventions*

NorthStar empowers its employees to intervene whenever they see someone exhibiting an unsafe behavior or working in unsafe conditions. When such a situation is observed, an intervention is conducted by discussing with the person how the task could be performed safely.

Unsafe conditions will be corrected immediately, and any condition requiring the purchase of new tools and equipment will require a temporary task stand-down until the correct equipment is available. Unsafe behaviors may be corrected through coaching or re-training. As needed, the observer can involve the Supervisor or local management to resolve the issue.

3.6 *Site Safety Orientation*

All employees, visitors, and subcontractors to the site must attend a Site Safety Orientation before being allowed to enter into the site. The objective of the site safety orientation is to review the requirements and objectives of this Health and Safety Plan and to familiarize the attendees with the scope of work in progress. Orientation sessions will be scheduled internally to accommodate new personnel as they need access to the site. All employees and subcontractors arriving to the site will complete the NorthStar orientation.

3.7 Incident Investigations

Careful investigation of incidents to determine root causes and identify corrective actions is paramount to prevent the recurrence of that incident. All employees must immediately report near misses, injuries, and illnesses according to the claims reporting procedure provided in Appendix A.

4.0 Chemical Hazards

There are two categories of chemical / biological hazards associated with site activities:

- Site Constituents
- Chemicals used to conduct the site work, i.e. Hazard Communication Materials

Site constituents are those that exist at the site and are the cause for conducting site activities. The chemicals that are brought on site in order to conduct the work may be hazardous and subject to regulation under OSHA's Hazard Communication Standard (29 CFR 1926.59).

From an occupational health standpoint, the levels of contaminants that have been, or could be, encountered during site activities should not represent a significant concern if the provisions of this HASP are appropriately implemented. However, the potential for exposure to elevated levels of these contaminants may exist.

Overviews of the hazards associated with exposure to elevated levels of these contaminants may exist. Overviews of the hazards associated with exposure to the chemicals that may pose a hazard during site activities are presented below in terms of the following types of occupational exposure limits:

- PEL - Permissible Exposure Limit (OSHA Standard)
- TLV - Threshold Limit Value (ACGIH Guidance)
- REL - Recommended Exposure Limit (NIOSH Guidance)
- STEL- Short Term Exposure Limit
- C - Ceiling

OSHA Permissible Exposure Limits (PELs), ACGIH Threshold Limit Values (TLVs), and NIOSH Recommended Exposure Limits (RELs) are time-weighted averages (TWAs) defined as concentrations for a normal 8-hour work day and 40-hour work week to which almost all workers can be repeatedly exposed without suffering adverse health effects

Short Term Exposure Limit (STEL) is defined as the concentration to which workers can be exposed for short time periods without irritation, tissue damage, or narcosis sufficient to likely cause impairment of self-rescue or precipitate accidental injury. The STEL is a 15-minute time-weighted average that should not be exceeded at any time during the workday.

A ceiling value (C) is a concentration that should not be exceeded at any time in any workday. Ceiling limits are used by OSHA, ACGIH and NIOSH for chemical exposure criteria.

4.1 Site Constituents

The site constituents of concern are arsenic, chromium, lead and asbestos. These contaminants are present as a result of construction of the bridge and road deck. Symptoms of exposure to arsenic include cough, sore throat, shortness of breath, weakness, redness, abdominal pain, diarrhea, nausea, vomiting, burning sensation in throat

and chest, shock or collapse, and unconsciousness. Symptoms of exposure to chromium include eye irritation, sensitization and dermatitis. Symptoms of lead exposure include weakness, insomnia, gingival lead line, abdominal pain and eye irritation.

Additionally, Asbestos Containing Materials may affect the lung and digestive systems, leading to asbestosis, lung cancer and mesothelioma if overexposed.

Specific Metals of concern include:

- Arsenic: PEL = 5 ppm (5 mg/m³)
- Chromium: PEL = 0.5 ppm (0.5 mg/ m³)
- Lead: PEL = 0.05 ppm (0.05 mg/ m³)

Respiratory protection must be worn by those individuals conducting intrusive work in suspected asbestos-containing materials.

4.2 Hazard Communication Materials

Chemical products regulated under the OSHA Hazard Communication Standard (29 CFR 1926.59) may be used during this project. The Safety Data Sheets (SDS) for commercial products with hazardous ingredients will be maintained at the worksite. NorthStar will maintain SDS in hard copy binders on site to make SDS readily available to all employees while working on the site. The SDS for any chemical product in use at the job site may be retrieved from the manufacturer's website or by contacting the Branch office.

For this project, no hazardous materials will be utilized.

5.0 General Safety Rules

The following General Safety Rules must be strictly adhered to by all NorthStar employees, visitors, vendors, and subcontractors while on site:

- Employees must be in Level D "working" clothes and ready for work at the designated start time.
- Employees may take lunch breaks only during designated times and must eat in the area assigned as a clean zone while on the job site. There will be no smoking, eating, or drinking while in the work zone. Smoking is only allowed in designated areas and butts must be disposed properly and NOT discarded to the ground.
- Personnel will not quit work before the time designated for the conclusion of the work shift. There will be sufficient time allocated for the removal of work clothes, decontamination, etc.
- Employees must report to work each regularly scheduled work day. Continued absenteeism is a violation of these rules.
- All personnel are required to comply with NorthStar's Alcohol and Drug Free Workplace Policy as a condition of employment. Violation of any portion of this policy may be cause for immediate discharge.
- Personnel should not drink alcoholic beverages prior to reporting to work. Having reported to work, employees are then prohibited from consuming alcoholic beverages during either lunch or coffee breaks.
- Personnel must comply with both verbal and written instructions from a supervisor or foreman.

- While on the job site, personnel must comply with OSHA Safety and Health Standards for the Construction Industry and with each of the safety procedures required by the NorthStar safety program on the project.
- All personal work injuries must be reported to a supervisor immediately.
- All unsafe conditions or unsafe acts must be reported immediately to a supervisor.
- Whenever overhead work is conducted or heavy equipment is being used, hard hats must be worn by all personnel while on the job site.
- Employees must use their personal protective equipment as required by law, including but not limited to head, hearing, eye, hand, foot, and fall protection devices.
- When required, protective clothing, including hood and booties, will be worn correctly.
- When required, assigned respiratory protection equipment will be worn.
- If respirators are a requirement of the job, they will not be removed while in the work area for any reason.
- During working hours, appropriate clothing must be worn when not in containment area, including shirts, long pants and protective toe shoes.
- If air sampling equipment has been attached to an individual, this equipment must be left alone and unobstructed until instructed to remove it.
- There will be absolutely no smoking within the work zone.
- Good housekeeping by all personnel is considered mandatory.
- Employees will not engage in horseplay, practical jokes, or mischief while on the job site or Company property.
- Fighting or attempting bodily injury to another employee or Company visitor while on the jobsite or Company property is not permitted.
- Unauthorized use of, or willful or wanton neglect in the care and/or use of Company property is not permitted.
- Falsifying Company records and/or reports will not be tolerated.
- Only the person who tags-out or locks-out equipment is allowed to remove such a tag or lock from the equipment.

6.0 Site Hazards

6.1 Backing Field Vehicles

Implement the following precautions to prevent incidents during backing of field vehicles:

- Avoid backing whenever possible; ensure field vehicles are equipped with operational backup alarms.
- If backing is required, there **MUST BE** a spotter. If a spotter is not available, the driver **MUST** walk completely around the vehicle before backing up.
- When backing is likely to be a part of the activities, it must be discussed in the daily safety briefings.
- Learn your vehicle's blind spots.

6.2 Equipment Maintenance

Only trained and authorized personnel shall perform equipment repairs and maintenance. To prevent getting caught, pinched or injured by machine parts, machines must be turned off and locked out during most maintenance. Only manufacturers approved replacement parts, fluids, etc. shall be used. NorthStar employees will add fluids as necessary but will not make any more involved or serious repairs than that. Minor repairs including fluid and belt changes, surface hard facing, welding repairs, replacement of blades and teeth will be performed on site by competent and experienced NorthStar personnel. Major repairs including repair/rebuild of

engine and transmission components may require a subcontracted mechanic. All subcontractors must follow the provision of this Health and Safety Plan along with all site rules.

6.3 Fire Prevention

To protect against fires, follow the following precautions:

- Type ABC fire extinguishers will be available on site to contain and extinguish small fires. The local fire department shall be summoned in the event of any fire on site.
- Fire Extinguishers shall be provided so that the travel distance from any work area to the nearest extinguisher is less than 50 feet. Fire extinguishers must also be present on aerial lifts and heavy equipment.
- Extinguishers must 1) be fully charged and in operable condition 2) be visually inspected each month, and 3) undergo a maintenance check each year. Never use an extinguisher past its annual maintenance check (paper tag).
- Keep the area in front of the extinguisher clear.
- Combustible materials stored outside should be at least 10 feet from any building.
- Solvent waste and oily rags must be kept in a fire resistant covered container until removed from the site.
- Flammable/combustible liquids must be kept in approved containers (fuel tanks or safety cans). All containers must be labeled as to their contents.
- Smoking is allowed only in designated areas.

6.4 Hand and Power Tools

Only authorized trained workers will be allowed to use powered hand tools. The hand tools expected to be used on this project include power saws, shears, string trimmers, mattocks, and shovels. The following safety guidelines should be followed:

- Keep hand and power tools in safe condition and use only for the task they were designed.
- Remove damaged and defective tools from service. "Red tag" tools requiring repair and document what is wrong with the tool before returning it to the warehouse or tool room.
- Power tools designed with guards must be equipped with those guards when in use.
- Do not carry sharp tools in pockets.
- Clean tools and return to the job box when finished using.
- Do not throw tools from place to place, from person to person, or drop from heights.

6.5 Drilling Operations

Drilling/ boring/auguring in soil activities for the collection of soil samples are covered by this procedure. Drilling methods may include cable tool, rotary drilling, hollow stem auger drilling, rotary sonic drilling, and direct push. Specific hazards and safety rules concerning drilling operations can be categorized with the use of the acronym PRIME – personnel, rig, inhalation, mast, and evaluate.

- Personnel
 - Employees involved in the operation should not wear loose-fitting clothing, or other items such as rings or watches that could get caught in moving parts. Persons with long hair should have it constrained. Minimum protective gear includes steel-toed shoes, hearing protection, hard hats, and eye protection.
 - The rig must be equipped with adequate supplies of first aid materials. At least one member of the crew should be qualified to render first aid.
 - Smoking or use of spark-producing equipment around drilling operations is prohibited because flammable gases may be released from the subsurface environment.

- Rig
 - The drill gear boxes (transmission for rotary drive, feed control, etc.) should be placed in neutral while an operator is not at the controls. The operator must shut down the rig engines prior to leaving the immediate vicinity of the drill.
 - The drill rig should not be operated during severe inclement weather.
 - Personnel should be warned to “stand clear” prior to rig start up.
 - The rig should be leveled and stabilized with jacks and adequate cribbing before raising the mast.

- Inhalation
 - Wear the appropriate respiratory and dermal protection if exposure to hazardous vapors or contaminated cuttings and fluids is a possibility.
 - Cuttings, drilling liquids, and ground water may be contaminated. The presence of hazardous constituents should be evaluated, and the fluids managed accordingly. Direct contact with these materials should be avoided.

- Mast and Drill
 - Rig personnel and visitors should be cleared from areas to the side and behind the rig before raising the mast.
 - The mast must never be in the raised position when the drill rig is driven.
 - A signal man should be designated to assist with backing and when raising the mast.
 - The single most common fatal occupational accident among drillers is rig contact with overhead power lines. The driller must check for overhead power lines before raising the mast.
 - Before drilling the driller should secure and lock in place according to the manufacturer’s instructions.
 - The drill rig must be provided with a kill wire or switch which is kept in working order, and adequately labeled. Personnel should be familiar with the location of the kill switch.
 - When heavy objects are hoisted aloft there is a danger of them coming down in an uncontrolled manner and at an unwanted time.
 - Rig maintenance is a critical item. The driller should have a program of regular maintenance. Many companies have checklists to assist in maintenance.

- Evaluate
 - What could go wrong here, and if it does, what is the probable outcome?
 - What attitudes are prevalent among the drillers?
 - If the attitudes are unfavorable, what should I do to change them?

Common accidents at drilling sites include contact with underground or above ground electrical utilities, rig turnover, blow-out of pressurized hoses, falling objects, pinching between rods, caught on augers, cathead, or other moving parts, and falls. Good housekeeping, proper machine maintenance, appropriate PPE, and common sense should be used at all times during drilling operations.

6.6 Heat Stress Recognition and Control

This work will be conducted during the summer months; a worker may produce as much as 2 to 3 gallons of sweat during strenuous activities. It is essential water intake be about equal to the amount of sweat produced. Most workers exposed to hot or strenuous conditions drink fewer fluids than needed because of an insufficient thirst drive.

SYMPTOMS AND TREATMENT OF HEAT STRESS

Type of Heat Stress	Signs and Symptoms	Treatment
Heat Syncope	Sluggishness or fainting while standing erect or immobile in heat.	Remove to cooler area. Rest lying down. Increase fluid intake. Recovery usually is prompt.
Heat Rash	Profuse tiny raised red blister-like vesicles on affected areas, along with prickling sensations during heat exposure.	Use mild drying lotions and powders, and keep skin clean for drying skin and preventing infection.
Heat Cramps	Painful spasms in muscles used during work (arms, legs, or abdomen); onset during or after work hours.	Remove to cooler area. Rest lying down. Increase fluid intake.
Heat Exhaustion	Fatigue, nausea, headache, giddiness; skin clammy and moist; complexion pale, muddy, or flushed; may faint on standing; rapid thready pulse and low blood pressure; oral temperature normal or low.	Remove to cooler area. Rest lying down, with head in low position. Administer fluids by mouth. Seek medical attention.
Heat Stroke	Red, hot, dry skin; dizziness; confusion; rapid breathing/pulse; high temperature.	Cool rapidly by soaking in cool – but not cold – water. Call ambulance and get medical attention immediately.

6.7 Housekeeping

An orderly and organized worksite is safer and more efficient than a disorganized one. General “good housekeeping” practices include:

- Walkways and common paths of travel including stairs and scaffolds should be established and kept free from the accumulation of materials.
- Access to aisles, exits, ladders, stairways, scaffolding, and emergency equipment should be kept free from obstructions and obstacles.
- Keep walkways free from slipping hazards such as spilled liquids, snow, or ice.
- Specific areas should be designated for the proper storage of materials and equipment.
- Return tools and equipment to the job boxes when done using them.
- As work progresses, scrap and unessential materials must be neatly stored or removed from the work area.
- Place trash and debris into appropriate containers and empty those containers on a daily basis.
- Clean up leaks and spills of liquids immediately.

6.8 Material Handling / Lifting Hazards

Strains and sprains in backs and extremities are possible due to overexertion in lifting, pulling and pushing loads. Workers shall have training in proper lifting techniques and back injury prevention. Employees must get assistance when lifting irregular shaped or heavy objects and use proper lifting techniques. Multiple cases must be handled on a pallet with a pallet jack or a forklift. Use of handcarts and other mechanical material handling devices is recommended. Exercise care to avoid overexertion.

The following guidelines will be followed whenever lifting equipment or any other objects that are of odd size or shape, or that weigh over 40 pounds.

All workers shall follow these basic guidelines when lifting:

- Get help when lifting heavy loads. Heavy items will only be lifted using a two-person lift.
- When moving heavy objects such as drums or containers, use a dolly or other means of assistance.
- Plan the lift. If lifting a heavy object, plan the route and where to place the object. In addition, plan communication signals to be used (i.e., “1, 2, 3, lift,” etc.)
- Wear sturdy shoes in good conditions that supply traction when performing lifts.
- Keep your back straight and head aligned during the lift and use your legs to lift the load – do not twist or bend from the waist. Keep the load in front of you – do not lift or carry objects from the side.
- Keeping the heavy part of the load close to your body will help maintain your balance.

6.9 Noise Hazards

Noise-induced hearing loss is a potential hazard caused by exposure to loud and prolonged noise (e.g., work around heavy equipment, power tools, pumps, generators). Suspected high noise operations will be evaluated to determine if hearing protective devices should be worn in accordance with NorthStar Hearing Conservation Program. A general field rule is to wear hearing protection if you cannot hear normal conversation within an arm length of the person talking. Hearing protective devices (HPD) are personal protective equipment worn by employees as protection against harmful noise levels which may result in temporary or permanent noise-induced hearing loss.

Generally, HPD include equipment such as earplugs and earmuffs. Non-Mandatory Use of HPD: HPD are offered (i.e. non-mandatory) to employees included in similar exposure group (SEG) which have an exposure profile that is less than 90 dB for an 8-hour TWA. Mandatory Use of HPD: Mandatory use of HPD is enforced for the following conditions:

- For SEG which have an exposure profile of 90 dB or more for an 8-hour TWA.
- For any employee who has experienced a Standard Threshold Shift (STS).
- When administration of the audiometric test is postponed for any period from the time the employee is first exposed to noise at or above 85 dB, until the baseline audiometric test is conducted.

Site employees are responsible for:

- Wearing the appropriate HPD when and where required and in accordance with the training provided.
- Informing site management of any noise hazards which may not be addressed sufficiently, including any other concerns regarding this program.
- Following the appropriate procedures for the use, care, inspection, and maintenance of HPD.
- Notifying site management immediately if a HPD does not fit properly, causes irritation, or interferes with spoken instructions or warning signals to that suitable hearing protectors can be obtained.

6.10 Job Task / Hazard Table

The table below is a summary overview of the anticipated hazards and risks for the major portions of the scope of work. This table is not a replacement for the required Hazard Analysis to be prepared by the field crew before beginning the day’s task.

- High - Exposure likely more than 50% of the time Med - Exposure likely 10-50% of the time
- Low - Exposure likely less than 10% of the time N/A – Exposure not anticipated

Job Task		Chem. Hzds.	Fire Hzds.	Lifting Hzds.	Mech'l Hzds.	Electrical Hzds.	Heat/Cold Stress	Slip/Trip / Fall	Noise	Cuts
1	Site mobilization	N/A	Low	Med	Low	N/A	N/A	Low	Low	Low
2	Soil Screening/ Soil Sampling	Med	Med	High	High	High	High	High	High	High
3	Groundwater Screening	Med	Low	Low	High	Med	High	High	High	Med
4	Groundwater sampling	Med	Low	Low	Low	Low	Med	Med	Low	Med
5	Site Restoration	Low	Low	Med	Med	Low	Med	Med	Med	Low
TASK MINIMUM PROTECTIVE CLOTHING/EQUIPMENT REQUIREMENTS										
2-6	Steel-toed boots, safety glasses, work gloves, high-visibility shirt or vest, and hard hats. Hearing protection during equipment operation.									

7.0 Equipment and Supplies

7.1 Personal Protective Equipment

Work will be conducted onsite in Level D PPE. The required PPE for Level D for all invasive work at this site is as follows:

- ANSI approved safety glasses + side shields
- Ear plugs or muffs
- Steel-toed boots
- Work gloves (leather)
- High visibility vest (ANSI / ISEA 107-2004)

Personnel within the work area are to wear the specified PPE during invasive site activities in accordance with this HASP. Invasive site activities include media sampling, drilling, or any activity that disturbs soil or increases exposure risks.

7.1.1 Limitations of Protective Clothing

The protective equipment ensembles selected for this project are anticipated to provide protection against the types and concentrations of hazardous materials that may potentially be encountered during operations. However, no protective garment, glove or boot is resistant to all chemicals at any concentration; in fact, chemicals may continue to permeate or degrade a garment even after the source of the contamination is removed.

In order to obtain optimum usage from PPE, the following procedures are to be followed by all NorthStar personnel:

- When using disposable coveralls, don a clean, new garment after each rest break or at the beginning of each shift
- Inspect all clothing, gloves and boots both prior to and during use for:
 - Imperfect seams
 - Non-uniform coatings
 - Tears
 - Poorly functioning closures
- Inspect reusable garments, boots and gloves both prior to and during use for:
 - Visible signs of chemical permeation such as swelling, discoloration, stiffness or brittleness
 - Cracks or any signs of puncture or abrasion

Any reusable garments exhibiting any such characteristics will be discarded. Contaminated garments will be disposed in accordance with the regulatory waste handling and disposal requirements for those contaminants.

7.2 Health and Safety Equipment

- NorthStar Policies and Procedures (relevant to project)
- First Aid kits
- Drinking water
- Type ABC fire extinguishers
- Personal decontamination supplies
- Portable eyewash station

7.3 Engineering Controls to be Used (as applicable)

- Traffic cones
- Caution tape

7.4 Instrumentation to be Used

- VOC detector

8.0 Responsibilities

NorthStar will strictly adhere to the provisions of this health and safety plan, along with the applicable regulations issued by governmental entities. NorthStar will coordinate safety activities as needed with customer representatives.

8.1 NorthStar Health and Safety Manager

The Health and Safety Manager is responsible for verifying that the project is conducted in a safe manner including the following obligations:

- Verify the SSHASP is current and amended when project activities or conditions change.
- Manage the site and interface with third parties in a manner consistent with our contract/subcontractor agreements and the applicable standard of reasonable care.
- Ensure that programs are effectively functioning to prevent and control hazards on the project.
- Verify that all employees working in the field have the appropriate level of HS&E training, medical surveillance, and drug and alcohol testing for their job duties including required specialty training.

- Maintain active and visible involvement using open communication with employees regarding safety issues on the project.
- Verify that safety meetings are conducted and document in the project file as needed throughout the course of the project.
- Post required information on-site, including Occupational Safety and Health Administration (OSHA) job-site posters.
- Maintain HS&E records and documentation.
- Verify that all forms, permits, and hazard assessments are being used as outlined in this plan.
- Verify appropriate PPE use and availability.

8.2 Project Manager

The Project Manager is responsible for ensuring that the necessary personnel are available for the contracted responsibilities for this project, and that the reporting, scheduling, and budgetary obligations for the project are met. The project manager is ultimately responsible for ensuring that all project activities are completed in accordance with requirements set forth in this plan, including the following obligations:

- Ensure that the overall HS&E goals are fully and continuously implemented.
- Promote a safety culture with onsite personnel and set the example for safe behavior.

8.3 Superintendent

The Superintendent is responsible for the project's safety program and procedures and the assurance that they are followed. Each Project Superintendent in conjunction with the EHS Representative will have the overall responsibility for field implementation of the HASP. This includes communicating site requirements to all onsite project personnel.

To achieve these objectives, the Site Superintendent must provide the following:

- Consider the safety factor in planning all job site operations.
- Ensure orientation training is conducted for each new employee arriving at the project including site visitors explaining NorthStar safety policies and hazards specific to that person's work or visit. Communicate team approach to safety.
- Ensure the project site is adequately supplied with general personal protective equipment (PPE) such as safety glasses, vests, fall protection equipment and hearing protection. Need to ensure that any specialty equipment is onsite well ahead of time needed.
- Ensure that hazard analyses are reviewed and used by work crews before engaging in site activities.
- Ensure that housekeeping for all areas of the site is acceptable.
- Ensure that adequate sanitation facilities and potable drinking water is provided for employees.
- Correct any unsafe acts or conditions immediately.
- Ensure foremen and other staffs are adequately trained to perform work safely.
- Ensure incident reports and investigations are completed/submitted in a timely fashion.

8.4 Site Employees & Subcontractors

All personnel are assigned responsibility for safe and healthy operations. This concept is the foundation for involving all employees in identifying hazards and providing solutions. For any operation, individuals have full authority to stop work and initiate immediate corrective action or control. In addition, each worker has a right and responsibility to report unsafe conditions/practices. Each employee is responsible for the following:

- Perform work in a safe manner without injury, illness, or property damage.

- Perform work in accordance with company policies, and report near misses, injuries, illnesses, and unsafe conditions.
- Report all hazardous conditions and/or hazardous activities immediately to a supervisor for corrective action.
- Intervene when an unsafe behavior and/or condition is observed.

Complete a Site Safety Orientation prior to being authorized to enter the project work areas.

9.0 Respirators

Respirator use is not anticipated during the course of this project. However, should site conditions change and their use be required work will be immediately stopped. The NorthStar Project Manager and Health and Safety Manager will be notified. Work will not resume until the conditions requiring respirator use are abated or the following requirements can be met.

Engineering controls and safe work practices (e.g. elimination of the source of contamination, ventilation equipment, limiting exposure time, etc.) must always be the primary control for air contaminants. Respirators will be used if engineering or work practice controls are not feasible for controlling airborne exposures below acceptable concentrations and as an interim control measure while engineering or work practice controls are implemented.

Once the need for respirators has been established, the respirators will be selected on the basis of the hazards to which the worker is exposed. Only NIOSH-approved respirators will be issued. Selection criteria established in 29 CFR 1926.103 has been used by the HASP Preparer in determining respirator requirements for this project. Appropriate updates will be made to this document at the time the need for respirators is established.

10.0 Decontamination Procedures

10.1 Personnel Decontamination

Whenever respirators and accompanying PPE are used, the following steps will be followed whenever personnel leave the work area. During other activities where lesser PPE is worn, personnel will remove soiled items and wash their hands and face before eating, drinking, etc.

- Remove all equipment that requires cleaning to the cleaning area.
- Remove boot covers (if used).
- Remove outer disposable coverall and place in bag for disposal.
- Remove gloves.
- Remove hardhat and eye protection.
- Proceed to wash facilities and wash hands and face.

Each worker will be responsible for cleaning, sanitizing and storing their own respirator in accordance with manufacturer's guidance (i.e., washing in warm water and detergent or sanitizing solution, air drying, and storing in a plastic storage bag.)

10.2 Sanitation / Wash / Change Facilities

Sanitation facilities are provided in the form of portalets and handwashing stations located at the site. As needed, facilities will be moved around the site to provide coverage to work areas.

Potable water will be made available at the site from commercially available bottled water. Sources of non-potable water shall be clearly labeled as such.

11.0 Training and Medical Surveillance

NorthStar site personnel receive training in accordance with their assigned job responsibilities. Training is identified to ensure all employees and subcontractors have been appropriately trained, possess the required qualifications, and are competent to perform their assigned tasks. All personnel working onsite who may encounter the chemical constituents of concern will be enrolled in a medical monitoring program and will meet the HAZWOPPER training requirements promulgated by OSHA.

APPENDIX A

Field Forms



NORTHSTAR GROUP SERVICES, INC. CLAIMS REPORTING PROCEDURE

TABLE OF CONTENTS

PAGE	DESCRIPTION
1	Reporting Procedures
2	Employee Injury & Investigation Report
3	Employee Statement of Injury
4	Witness Statement
5	Employee Work Accident Release Form
6	Auto Accident Report
7	General Liability Loss Report
8	Daily Safety Meeting

These forms can be found in the following directory folders:

**SharePoint: Environmental Health & Safety / EH&S Documents / Incident Reporting AND
New York Shared: Health & Safety / Forms / Accident Prevention and Mgmt.**

***New York: Health & Safety / Workers Comp**



SECTION 1 - PURPOSE

To describe the procedures for informing management of incidents and assuring timely responses, from various Company resources, to help resolve any issues resulting from an incident.

Incident - an unplanned event resulting in personal injury, occupational illness, property damage, vehicle or equipment accident, loss of assets, fire or explosion, spill or release, or adverse publicity.

SECTION 2 - POLICY

All incidents having either an immediate or potential effect on the safety and well-being of Company employees or property, our client's employees or property, the general public or other private property, will be reported and recorded within the time frame allocated.

It is company policy to voluntarily comply with all employee and visitor accident, injury and illness reporting requirements established by OSHA, State Workers Compensation Agencies, and NorthStar's Insurance Claims Service.

2.1 Reporting Sequence

Company personnel are required to immediately report all incidents to their supervisor.

The supervisor will immediately notify the assigned Health and Safety Officer or, if unavailable, the Corporate Safety Office in Orange, Texas at 409.886.3959. The assigned Safety Officer will then immediately notify Corporate Safety and the Branch and Operations Managers.

All incidents to be reported include:

- All accidents with injury regardless if on-site first aid or medical treatment;
- All motor vehicle or equipment accidents with or without injuries;
- All Fires / explosion with or without injuries and regardless of property damage;
- All spills and/or releases of hazardous substances regardless of quantities involved;
- All incidents with property damage.

2.2 Documentation Submittal

Incident documentation (i.e. Employee Injury & Investigation Report and doctor's reports, etc.) are required within 24 hours of incident or first notice to supervisor. Send ALL incident documentation to both the following claims managers:

Kendra Shelton
NorthStar/LVI Claims Manager
1201 S. Childers Road
Orange, TX 77630

Marlene Haworth
NorthStar/NCM Claims Manager
8160 304th Ave. SE
Preston, WA 98027 kshelton@lviservices.com
mhaworth@ncmgroup.com



NorthStar

Employee Injury & Investigation Report

INCIDENT INFORMATION				
Date of Incident:		Time:		Branch Location:
Co. #				
Job Number:	Job Name:			OCIP
				Yes No
Job Address:		Shift Start/End Time:		Days/Wk. & Hrs./Day:
Project Manager Name:			Supervisor Name:	
Date of Report <i>(if different from Date of Incident):</i>			Supervisor Contact #:	
Project Supervisor Notified?	Yes	No	When?	Who?
Health & Safety Representative Notified?	Yes	No	When?	Who?

INJURED EMPLOYEE				
Name:			Address:	
Sex:	Male	Female	Age:	DOB:
Phone:				
Occupation & Code <i>(A=Asb, D=Demo, O=Other):</i>	SSN:		Emp. #:	Date of Hire:
Wage Rate:	# of Dependents:	Marital Status:		Yrs of Exp:
Injured Part of Body:	Remarks:			<i>Mark if Employee was NOT on duty at time of injury</i>
Nature of Injury	Bruise/Contusion	Carbon Monoxide	Strain / Sprain	Scratch/Abrasion
Dislocation	Fracture	Crushing	Internal	Foreign Body
Laceration/Cut	Burn/Scald	Electrical Shock	Slip/Trip/Fall	Chemical Reaction
Other (Specify):				
Treatment	Treating Physician or Facility:			
First Aid on Site	Address:			
Occupational Clinic	Phone:			
Emergency Room	Hospitalization	Other:		
How was employee transported to Physician or Facility:				

DAMAGED PROPERTY
Property Damaged:
Describe Damage:
Object or Substance Inflicting Damage:

DAMAGED EQUIPMENT	
NorthStar Equipment	Rental Equipment
Rental Company Name:	Equipment Serial #:
Describe Damage:	
Object or Substance Inflicting Damage:	



NorthStar

Employee Injury & Investigation Report

DESCRIBE WHAT HAPPENED (attach Employee Statement of Injury form, include photographs if necessary)

WITNESSES (attach Witness Statement forms for each)

Please list the name, contact number and address of any witnesses:

THIRD PARTY

Was cause of incident due to negligence of a 3rd party?	Yes	No		
Provide Name:			Phone:	
Address:				
Employer Name/Address:				<i>Mark if Employee was NOT on duty at time of injury</i>
Injured Name:	Employee #:		DOI:	

INCIDENT ANALYSIS

Using the root cause analysis list below, explain the cause(s) of the incident in as much detail as possible:

Were Safeguards or Safety Equipment Provided?	Yes	No	Were They Used?	Yes	No
As a result of this incident, was employee Drug Tested?	Yes	No	Was employee Alcohol Tested?	Yes	No

ROOT CAUSE ANALYSIS (Mark All That Apply)

Improper work technique	Extreme temperature (hot or cold)	Lack of written procedures or policies
Safety rule violation	Congested work area	Safety rules not enforced
Improper PPE or PPE unused	Hazardous substance	Hazards not identified
Operating without authority	Fire or explosion hazard	Safety equipment unavailable
Failure to warn or secure	Inadequate ventilation	Insufficient work training
Operating at improper speed	Improper material storage	Insufficient supervisor training
By-passing safety devices	Improper tool or equipment	Improper maintenance
Guards not used	Insufficient knowledge of job	Non-compliance not corrected
Improper loading or placement	Slippery condition	Inadequate job planning
Improper lifting	Poor housekeeping	Inadequate job oversight
Line of Fire	Excessive noise	Inadequate workplace inspections
Horseplay	Inadequate guarding of hazards	Inadequate equipment
Drug or Alcohol use	Defective tools/equipment	Unsafe design or construction
Unnecessary haste	Insufficient lighting	Inadequate communication of expectations
Unsafe act of others	Inadequate fall protection	Improper performance is rewarded
Other (Specify):		



NorthStar

Employee Injury & Investigation Report

PREVENTIVE ACTIONS

Describe actions that will be taken to prevent recurrence:	Deadline	By Whom:	Date Completed

REPORT REVIEW

Supervisor's Signature:	Print Name:	Date:
Safety Officer Signature:	Print Name:	Date:



NorthStar

Employee Statement of Injury

Declaracion de Herida del Empleado

Completed by Employee:	Completed by Translator:	Translator Signature:
-------------------------------	---------------------------------	------------------------------

Name:	Date of Birth:
<i>Nombre</i>	<i>Fecha de Nacimiento</i>

Date Injury Occurred:	Time Injury Occurred:
<i>Fecha ocurrida de la herida</i>	<i>Hora ocurrida de la herida</i>

Name/Title of Person Notified:
<i>Nombre/Titulo de la persona que Notific</i>

Date Injury Reported:	Time Injury Reported:
<i>Fecha del Reporte de la Herida</i>	<i>Hora del Reporte de la Herida</i>

Address Where Injury Occurred:
<i>Direccion donde ocurrio la Herida:</i>

Location Where Injury Occurred: (Docks, Stairs, etc.)
<i>Ubicacion donde ocurrio la Herida:</i>

Describe in your own words how and why the injury occurred: <i>Describe consus propias palabias como y Porque la herida ocurrio</i>	
Type of Injury (Cut, Sprain, etc.): <i>Tipo de Herida</i>	
Part(s) of Body Injured: <i>Partes Heridas del cuerpo</i>	
List Name(s) of any Witnesses: <i>Nombre de los Testigos</i>	

--

Employee Signature
Firma del Empleado

--

Date of Signature
Fecha de la Firma



NorthStar
Witness Statement

Name:	Phone:
--------------	---------------

Address:	Employer
-----------------	-----------------

Date of Incident:	Time Incident Occurred
--------------------------	-------------------------------

Address where incident occurred:

Location Where Incident Occurred (i.e. Docks, Stairs):

Describe in your own words how the incident occurred:
--

--

Witness Signature

--

Date of Signature



NorthStar

Employee Work Accident Release Form

Branch Location:

Date of Incident:	Time Incident Occurred
--------------------------	-------------------------------

Employee Name:	Social Security #:
-----------------------	---------------------------

Supervisor:	Project location:
--------------------	--------------------------

Nature of Injury, Body Part Affected:
--

The undersigned employee has been involved in an accident during the course of employment and has been requested by his/her employer to report to the company medical provider for examination and treatment of any work related injury arising from the accident. The undersigned employee has chosen to **refuse to report for a medical examination and medical treatment**. The refusal is because the undersigned has not sustained any injury from the accident. In consideration of the foregoing, the undersigned employee hereby releases forever his/her employer, NorthStar Group Services and all of its affiliates, from all claims and liability arising from the accident which occurred in the course of his/her employment as indicated below.

--

Employee Signature

--

Date of Signature

--

Witness Signature

--

Date of Signature

Other Property Damage:



NorthStar

Auto Accident Report

NORTHSTAR VEHICLE INFORMATION

Vehicle #:	Year:	Make:	Model:	VIN #:
Plate #/State:	Drivable	Towed	If Towed, Where?	
Did the accident occur on a jobsite?		Yes	No	If Yes, Job No:
Job Name:				
NGS Owned	Leased	NGS Branch or Leasing Co.:		
Vehicle Damage:				

NORTHSTAR DRIVER INFORMATION

Driver Name:	DOB:	Branch Employed:
Address:	Phone:	License #/State
Injuries?	Yes	No
If Yes, List Injuries:		
Treatment Facility:		

THIRD PARTY INFORMATION

Driver Name:	Phone:	License #/State:
Address:	Vehicle:	Plate:
Insurance Co.:	Policy #:	Phone:
Vehicle Owner:	Address:	Phone:
Vehicle Damages:	If Towed, Where?	
Injuries?	Yes	No
If Yes, List Injuries:		
Treatment Facility:		

PASSENGER INFORMATION

NGS Passenger:	Address:	Phone:
Injuries:		
Other Party:	Address:	Phone:
Injuries:		
Other Party:	Address:	Phone:
Injuries:		

INCIDENT INFORMATION

Date of Incident:	Time of Incident:
Date Reported to NGS:	Time Reported to NGS:
Witness Name (1):	Witness Phone:
Witness Name (2):	Witness Phone:
Authorities Contacted:	Agency Name:
Police	Fire
Ambulance	
Agency Address:	



NorthStar

Auto Accident Report

Phone:		Report #:	
Description of Incident:			
Phone:		Report #:	
Location of Incident:	City:	County:	State:
On: <i>Street or Highway</i>		At: <i>Intersection</i>	
Describe any condition or activity that may have contributed to the incident:			
Other Property Damage:			

REPORT REVIEW		
Investigated By:	Print Name:	Date:
Reviewed By:	Print Name:	Date:



NorthStar

General Liability Loss Notice

PROJECT INFORMATION			
Branch Location:	VP CO#:	Project #:	Report Date:
Project Name:		Job Address:	
Project Manager:		Supervisor:	
General Contractor:	GC Contact:	Phone:	
Property Owner:	Owner Contact:	Phone:	
NGS Contracted With:			
NGS Sub-Contractors:			

BODILY INJURY			
Name of Injured:	DOB:	Phone:	
Address:		Estimated Cost:	
Employer:	Employer Address:		
Description of Injury:	Medical Facility:		

PROPERTY DAMAGE			
Property Owner:	Owner Contact:	Phone:	
Address:		Estimated Cost:	
Description of Property:		Property Damage:	
Is NGS Contracted with Injured Employer?	Yes No	If Yes, Please Explain:	

INCIDENT INFORMATION			
Date of Incident:		Time of Incident:	
Date Reported to NGS:		Time Reported to NGS:	
Witness Name (1):		Witness Phone:	
Witness Name (2):		Witness Phone:	
Authorities Contacted:	Police Fire Ambulance	Agency Name:	
Agency Address:			
Phone:		Report #:	
Description of Incident:			
Phone:		Report #:	
Location of Incident:	City:	County:	State:



NorthStar
General Liability Loss Notice

On: <i>Street or Highway Name</i>	At: <i>Intersection</i>
Describe any condition or activity that may have contributed to the incident:	
List any other parties involved:	

PROVIDE THE FOLLOWING DOCUMENTS:

NorthStar contracts with all parties involved and related Certificates of Insurance.

Forward Copies to: Corporate Safety Office, Regional Safety Manager,
 Branch Safety, Branch Manager/Company President

REPORT REVIEW		
Investigated By:	Print Name:	Date:
Reviewed By:	Print Name:	Date:



NorthStar

Daily Safety Meeting

Date: 2/21/19 Job Name: Wilson Rigoff

1. Work to be completed: ACM/MBC Sampling
2. Hazards associated with this work: Traffic/Heat
3. Hazard control measures to be implemented: MOT, Proper Hydration, Level D PPE


SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: Level D PPE
 Chemical Hazards: MBCI
 Physical Hazards: ACM/Heat/Traffic
 Emergency Procedures: Mob to Hospital, Notify office in Riverview

ATTENDEES

Print Name:	Signature:	Date:
Tristin Weyman		2/21
LeRoy Green		2/21
MIKE BRADSHAW		2/21

Meeting Conducted by

Print Name:	Signature:	Date:
Geoff Fendita		2/21/19



NorthStar
Daily Safety Meeting

Date:	Job Name:
--------------	------------------

1. **Work to be completed:**
2. **Hazards associated with this work:**
3. **Hazard control measures to be implemented:**

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:



NorthStar
Daily Safety Meeting

Date:	Job Name:
--------------	------------------

1. **Work to be completed:**
2. **Hazards associated with this work:**
3. **Hazard control measures to be implemented:**

SAFETY TOPICS PRESENTED
Protective Clothing/Equipment:
Chemical Hazards:
Physical Hazards:
Emergency Procedures:

ATTENDEES		
Print Name:	Signature:	Date:

Meeting Conducted by		
Print Name:	Signature:	Date:

APPENDIX B

PHOTOGRAPHS



Photograph 1
View of Bridge No. 120064.



Photograph 2
View of Bridge No. 120064.

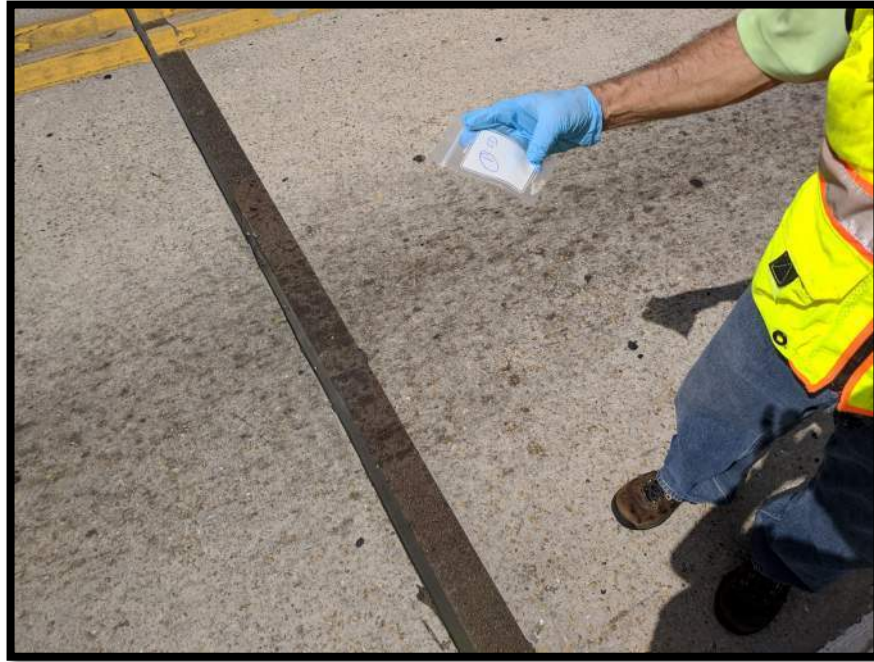
Project No. 4019108

ID:

DATE: 2/21/2019

NORTHSTAR CONTRACTING GROUP, INC.
2760 FALKENBURG ROAD, RIVERVIEW, FLORIDA 33578
PH: (813) 684-4400

SITE PHOTOGRAPHS 1 & 2
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Photograph 3
View of Asbestos Homogeneous Area 1 – Concrete – Roadway Deck (Sample Location 1).



Photograph 4
View of Asbestos Homogeneous Area 1 – Concrete – Roadway Deck (Sample Location 2).

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Photograph 5
View of Asbestos Homogeneous Area 2 – Concrete – Barriers and Sidewalks (Sample Location 4).



Photograph 6
View of Asbestos Homogeneous Area 2 – Concrete – Barriers and Sidewalks (Sample Location 5).

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SITE PHOTOGRAPHS 5 & 6
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 7
View of Asbestos Homogeneous Area 2 – Concrete – Barriers and Sidewalks (Sample Location 6).



Photograph 8
View of Asbestos Homogeneous Area 3 – Yellow Lane Paint – Roadway Deck (Sample Location 7).

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SITE PHOTOGRAPHS 7 & 8
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Photograph 9
View of Asbestos Homogeneous Area 3 – Yellow Lane Paint – Roadway Deck (Sample Location 8).



Photograph 10
View of Asbestos Homogeneous Area 3 – Yellow Lane Paint – Roadway Deck (Sample Location 9).

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SITE PHOTOGRAPHS 9 & 10
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 11
View of Asbestos Homogeneous Area 4 – White Lane Paint – Roadway Deck (Sample Location 10).



Photograph 12
View of Asbestos Homogeneous Area 4 – White Lane Paint – Roadway Deck (Sample Location 11).

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SITE PHOTOGRAPHS 11 & 12
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
LEE COUNTY, FLORIDA
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Photograph 13
View of Asbestos Homogeneous Area 4 – White Lane Paint – Roadway Deck (Sample Location 12).



Photograph 14
View of Asbestos Homogeneous Area 5 – Reflector Mastic – Roadway Deck (Sample Location 13).

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SITE PHOTOGRAPHS 13 & 14
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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FDOT FINANCIAL PROJECT NO. 440055-1-C2-32



Photograph 15
View of Asbestos Homogeneous Area 5 – Reflector Mastic – Roadway Deck (Sample Location 14).



Photograph 16
View of Asbestos Homogeneous Area 5 – Reflector Mastic – Roadway Deck (Sample Location 15).

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SITE PHOTOGRAPHS 15 & 16
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 17
View of Asbestos Homogeneous Area 6 – Expansion Joints - Roadway (Sample Location 16).



Photograph 18
View of Asbestos Homogeneous Area 6 – Expansion Joints - Roadway (Sample Location 17).

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SITE PHOTOGRAPHS 17 & 18
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FDOT FINANCIAL PROJECT NO. 440055-1-C2-32



Photograph 19
View of Asbestos Homogeneous Area 6 – Expansion Joints – Roadway (Sample Location 18).



Photograph 20
View of Asbestos Homogeneous Area 7 – 12”x12” Floor Tile and Adhesive Mastic (Bottom Layer) – Tender House (Sample Location 19).

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SITE PHOTOGRAPHS 19 & 20
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
LEE COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 440055-1-C2-32



Photograph 21
View of Asbestos Homogeneous Area 7 – 12"x12" Floor Tile and Adhesive Mastic (Bottom Layer) – Tender House (Sample Location 20).



Photograph 22
View of Asbestos Homogeneous Area 7 – 12"x12" Floor Tile and Adhesive Mastic (Bottom Layer) – Tender House (Sample Location 21).

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SITE PHOTOGRAPHS 21 & 22
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 23

View of Asbestos Homogeneous Area 8 – Class 5 Coating on Concrete – Barriers and Tender House (Sample Location 22).



Photograph 24

View of Asbestos Homogeneous Area 8 – Class 5 Coating on Concrete – Barriers and Tender House (Sample Location 23).

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SITE PHOTOGRAPHS 23 & 24
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Photograph 25

View of Asbestos Homogeneous Area 8 – Class 5 Coating on Concrete – Barriers and Tender House (Sample Location 24).



Photograph 26

View of Asbestos Homogeneous Area 9 – Concrete – Tender House Walls and Roof (Sample Location 25).

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SITE PHOTOGRAPHS 25 & 26
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Photograph 27

View of Asbestos Homogeneous Area 9 – Concrete – Tender House Walls and Roof (Sample Location 26).



Photograph 28

View of Asbestos Homogeneous Area 9 – Concrete – Tender House Walls and Roof (Sample Location 27).

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SITE PHOTOGRAPHS 27 & 28
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 29

View of Asbestos Homogeneous Area 10 – Cove Base with Adhesive – Tender House Baseboards (Sample Location 28).



Photograph 30

View of Asbestos Homogeneous Area 10 – Cove Base with Adhesive – Tender House Baseboards (Sample Location 29).

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SITE PHOTOGRAPHS 29 & 30
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 31

View of Asbestos Homogeneous Area 10 – Cove Base with Adhesive – Tender House Baseboards (Sample Location 30).



Photograph 32

View of Asbestos Homogeneous Area 11 – Textured Wall Paint – Tender House (Sample Location 31).

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SITE PHOTOGRAPHS 31 & 32
 WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 33
View of Asbestos Homogeneous Area 11 – Textured Wall Paint – Tender House (Sample Location 32).



Photograph 34
View of Asbestos Homogeneous Area 11 – Textured Wall Paint – Tender House (Sample Location 33).

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SITE PHOTOGRAPHS 33 & 34
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 35
View of Asbestos Homogeneous Area 12 – Asphalt Roadway – Bridge Approaches (Sample Location 34).



Photograph 36
View of Asbestos Homogeneous Area 12 – Asphalt Roadway – Bridge Approaches (Sample Location 35).

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SITE PHOTOGRAPHS 35 & 36
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 37
View of Asbestos Homogeneous Area 12 – Asphalt Roadway – Bridge Approaches (Sample Location 36).



Photograph 38
View of Asbestos Homogeneous Area 13 – Concrete – Structural Beams, Abutments and Pilings (Sample Location 37).

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SITE PHOTOGRAPHS 37 & 38
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 39

View of Asbestos Homogeneous Area 13 – Concrete – Structural Beams, Abutments and Pilings (Sample Location 38).



Photograph 40

View of Asbestos Homogeneous Area 13 – Concrete – Structural Beams, Abutments and Pilings (Sample Location 39).

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SITE PHOTOGRAPHS 39 & 40
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Photograph 41
View of Asbestos Homogeneous Area 14 – Rip Rap - Embankments (Sample Location 40).



Photograph 42
View of Asbestos Homogeneous Area 14 – Rip Rap - Embankments (Sample Location 41).

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SITE PHOTOGRAPHS 41 & 42
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
LEE COUNTY, FLORIDA
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Photograph 43
View of Asbestos Homogeneous Area 14 – Rip Rap - Embankments (Sample Location 42).



Photograph 44
View of Asbestos Homogeneous Area 15 – Bearing Pads – Beneath Bridge (Sample Location 43).

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SITE PHOTOGRAPHS 43 & 44
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Photograph 45

View of Asbestos Homogeneous Area 15 – Bearing Pads – Beneath Bridge (Sample Location 44).



Photograph 46

View of Asbestos Homogeneous Area 15 – Bearing Pads – Beneath Bridge (Sample Location 45).

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SITE PHOTOGRAPHS 45 & 46
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 47
View of Metals Based Coating Sample PS-1 (White Lane Paint).



Photograph 48
View of Metals Based Coating Sample PS-2 (Yellow Lane Paint).

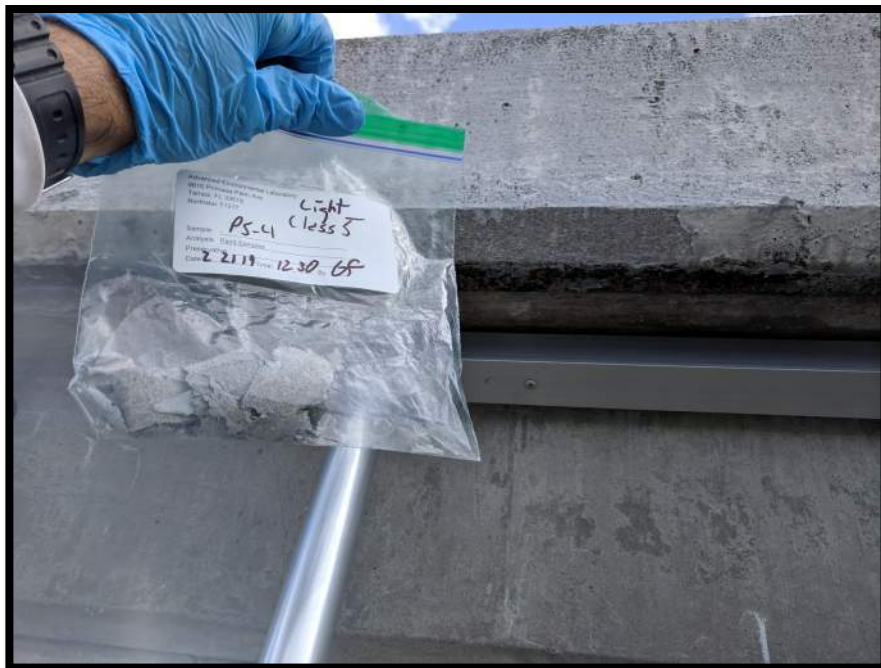
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SITE PHOTOGRAPHS 47 & 48
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 49
View of Metals Based Coating Sample PS-3 (Green Paint).



Photograph 50
View of Metals Based Coating Sample PS-4 (Light Gray Class 5).

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SITE PHOTOGRAPHS 49 & 50
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Photograph 51
View of Metals Based Coating Sample PS-5 (Gray Class 5).

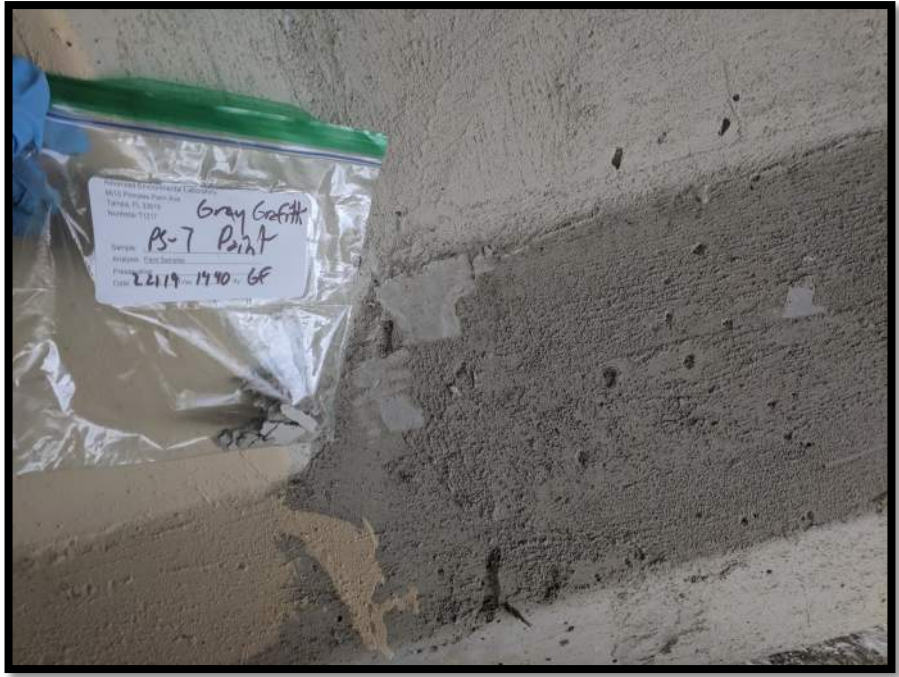


Photograph 52
View of Metals Based Coating Sample PS-6 (Tan Graffiti Paint).

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SITE PHOTOGRAPHS 51 & 52
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Photograph 53
View of Metals Based Coating Sample PS-7 (Gray Graffiti Paint).



Photograph 54
View of Metals Based Coating Sample PS-8 (Tan Tender House Paint).

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SITE PHOTOGRAPHS 53 & 54
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 55
View of Metals Based Coating Sample PS-9 (Black Tender House Paint).



Photograph 56
View of Metals Based Coating Sample PS-10 (Red Paint).

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SITE PHOTOGRAPHS 55 & 56
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 57
View of Metals Based Coating Sample PS-11 (Yellow Paint).



Photograph 58
View of Metals Based Coating Sample PS-12 (Gray Paint).

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SITE PHOTOGRAPHS 57 & 58
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
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Photograph 59
View of Metals Based Coating Sample PS-13 (Light Gray Paint).

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SITE PHOTOGRAPH 59
WILSON PIGOTT DRAW BRIDGE NO. 120064 REHABILITATION
LEE COUNTY, FLORIDA
FDOT FINANCIAL PROJECT NO. 440055-1-C2-32

APPENDIX C

SUBCONTRACTOR REPORTS



**REPORT OF A COMPREHENSIVE NESHAP DEMOLITION ASBESTOS SURVEY
BASCULE BRIDGE NO. 120064
WILSON PIGOTT DRAW BRIDGE
SR 31 OVER CALOOSAHATCHEE RIVER
LEE COUNTY, FLORIDA**

PREPARED FOR:

**NorthStar Contracting Group, Inc.
2760 Falkenburg Road
Riverview, Florida 33578**

**Attn: Mr. Philip L. Glover, PG, LEP
Senior Geologist I**

DMC PROJECT No. 19-020

MARCH 5, 2019

**REPORT OF A COMPREHENSIVE NESHAP DEMOLITION ASBESTOS SURVEY
BASCULE BRIDGE NO. 120064
WILSON PIGOTT DRAW BRIDGE
SR 31 OVER CALOOSAHATCHEE RIVER
LEE COUNTY, FLORIDA**

PREPARED FOR:

**NorthStar Contracting Group, Inc.
2760 Falkenburg Road
Riverview, Florida 33578**

**Attn: Mr. Philip L. Glover, PG, LEP
Senior Geologist I**

PREPARED BY:

**Diversified Management Corporation
P.O. Box 270010
Tampa, Florida 33688**

**DMC Project No. 19-020
Florida Asbestos Business License No. ZA0000231**

DATE:

March 5, 2019



03.05.19

J. Michael Bradshaw, P.E.
Florida- Licensed Asbestos Consultant
EA0000066

Date

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5.0	NON-ASBESTOS CONTAINING MATERIALS	7
6.0	ASBESTOS CONTAINING MATERIALS	9
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APPENDICES

- Appendix A: PLM Laboratory Results
- Appendix B: Licenses & Certifications
- Appendix C: Figures
- Appendix D: Photographs
- Appendix E: Limitations
- Appendix F: QA/QC Procedures and Results

1.0 EXECUTIVE SUMMARY

Diversified Management Corporation (DMC) has completed the comprehensive NESHAP demolition survey for asbestos-containing materials (ACM) of the Bascule Bridge No. 120064 Wilson Pigott Draw Bridge located at SR 31 over the Caloosahatchee River, Lee County, Florida.

Based on our survey and sampling, asbestos-containing materials were detected, as follows:

- Two Layers of 12"x12" Floor Tile and Adhesive Mastic –Tender House –Approx. 136 sq. ft.
5% Chrysotile Asbestos in the Green Floor Tile (Bottom Layer) – Category I NF
5% Chrysotile Asbestos in the Black Mastic – Category I NF
- Bascule Bridge Breaking Equipment- Brake Pads (Assumed to be Asbestos Containing)

Full results appear in the following report.

2.0 BACKGROUND INFORMATION

2.1 Introduction

DMC, Inc. was retained by NorthStar Contracting Group, Inc. to perform a comprehensive NESHAP demolition survey for asbestos-containing materials (ACM) of the Bascule Bridge No. 120064, Wilson Pigott Draw Bridge, located at SR 31 over the Caloosahatchee River, Lee County, Florida. The asbestos survey was authorized by Mr. Philip Glover of NorthStar and was performed by Mr. Mike Bradshaw of DMC, Inc. on February 21, 2019.

2.2 Scope of Services

The scope of this work included the following tasks:

- Document review and facility personnel interviews;
- On-site investigative survey and sampling;
- Preparation of a comprehensive demolition asbestos survey report.

3.0 DESCRIPTION OF FACILITIES

Bridge No. 120064 is located at SR 31 over the Caloosahatchee River, Lee County, Florida. The concrete and steel bascule bridge structure consisted of a single-span bridge and concrete bridge tender house. The overall structure was generally observed to be of reinforced concrete and steel and a concrete roadway surface. The bridge span also contained concrete barriers, abutments, beams and pilings. The concrete bascule bridge tender house was located on the east side of the bridge span.

4.0 SAMPLING AND ANALYTICAL PROCEDURE

During this survey, DMC's EPA/State of Florida accredited inspector, Mr. Mike Bradshaw, performed a walk-through of the entire bridge structure in question. This was performed in order to identify and delineate locations of homogeneous friable materials suspected of containing asbestos prior to demolition activities. A homogeneous material is identified as a material that presents similar distinguishing features such as color, texture, etc. and which was installed during the same general time period. Once homogeneous areas were identified, bulk samples were collected by DMC's EPA/State of Florida accredited inspector from these areas in order to confirm the presence or absence of asbestos in suspect materials. A total 45 bulk samples were collected from 16 homogeneous areas.

Bulk samples were sent to Arrowhead Technologies, LLC in Clearwater, Florida for laboratory analysis. This independent laboratory successfully participates in the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos sample analysis. The samples were analyzed using Polarized Light Microscopy (PLM) analysis methodology coupled with dispersion staining solutions to distinguish the unique optical properties of mineral forms. Employing this method of analysis allows asbestos fiber characteristics to colorize, which enables the microscopist to verify the presence or absence, quantity, and type of asbestos in the samples. Any product that contains greater than one (1) percent asbestos is considered to be an asbestos-containing material (ACM) as defined by EPA and OSHA regulations. The PLM results are provided in **Appendix A** to this report. Our laboratory QA/QC procedures and results are provided in

Appendix F.

5.0 NON-ASBESTOS CONTAINING MATERIALS

Samples of the following materials were analyzed and found to be **non-asbestos-**containing by Arrowhead Technologies (four samples were selected for QA/QC analysis and the results are provided in Appendix F):

Non-ACM – Bridge No. 120064 Wilson Pigott Draw Bridge SR 31 over the Caloosahatchee River, Lee County, Florida.	
Sample No.	Location and Description
1,2,3	Concrete –Roadway Deck –Approx. 5,900sq. ft. (Sample No. 3 Missing)
4,5,6	Concrete –Barriers and Sidewalks –Approx. 1,600 sq. ft.
7,8,9	Yellow Lane Paint –Roadway Deck –Approx. 300 LF
10,11,12	White Lane Paint –Roadway Deck –Approx. 900 LF
13,14,15	Reflector Mastic –Roadway Deck –Approx. 25sq. ft.
16,17,18	Expansion Joints –Roadway –Approx. 300 LF
22,23,24	Class 5 Coating on Concrete –Barriers and Tender House –Approx. 500 sq. ft.
25,26,27	Concrete – Tender House Walls and Roof –Approx. 600 sq. ft.
28,29,30	Cove Base with Adhesive –Tender House Baseboards –Approx. 50 LF

31,32,33	Textured Wall Paint –Tender House –Approx. 400 sq. ft.
34,35,36	Asphalt Roadway –Bridge Approaches –Approx. 2,500 sq. ft.
37,38,39	Concrete –Structural Beams, Abutments and Pilings –Approx. 17,000 sq. ft.
40,41,42	Rip Rap –Embankments –Approx. 4,000 sq. ft.
43,44,45	Bearing Pads –Beneath Bridge –Approx. 50sq. ft.

6.0 ASBESTOS-CONTAINING MATERIALS

Samples of the following materials were analyzed and found to be asbestos-containing by Arrowhead Technologies:

ACM – Bridge No. 120064 Wilson Pigott Draw Bridge SR 31 over the Caloosahatchee River, Lee County, Florida.	
Sample No.	Location and Description, Quantity, Asb. %, Friability
19,20,21	12"x12" Floor Tile and Adhesive Mastic (2 Layers) –Tender House –Approx. 136 sq. ft. 5% Chrysotile Asbestos in the Green Floor Tile – Category I NF 5% Chrysotile Asbestos in the Black Mastic – Category I NF
	Bascule Bridge Breaking Equipment- Brake Pads (Assumed to be Asbestos Containing)

F- Friable

C- Chrysotile Asbestos

NF- Non-Friable

*****Note: Quantities are not provided; measurements are typically approximations based on observation done while collecting bulk samples, and may be limited based on site access and destructive sampling restrictions. It is highly recommended that field verification of quantities be performed prior to any abatement, demolition or renovation estimates & activities**

7.0 CONCLUSIONS AND RECOMMENDATIONS

1. Maintain a copy of this report on site during all renovation and demolition activities.
2. Disturbance of the ACM should be avoided at all times. Only personnel trained in accordance with EPA, OSHA, and State of Florida guidelines should handle the identified or assumed ACM. ACM should not be drilled, sanded, sawed, or otherwise disturbed in a manner that will create an airborne fiber release.
3. A Florida-licensed asbestos contractor should be retained to remove the identified asbestos-containing materials (ACM) prior to renovation and demolition activities **if disturbance is anticipated** and a Florida Licensed Asbestos Consultant should be retained to conduct project and air monitoring.
4. A ten (10)-day notification should be submitted prior to asbestos abatement. (This requirement might be waived for non-friable ACMs). A 10-day notification of demolition is also required. (A demolition is defined by regulatory standards as any building activity that involves the removal or alteration of load-bearing structures). In accordance with federal regulations, the notice must be sent to:

DEP South District

2295 Victoria Avenue, Suite 364

P.O. Box 2549

Fort Myers, Florida 33902-2549

Contact: Mr. Robert Stewart

(239) 344-5600

robert.j.stewart@dep.state.fl.us

APPENDIX A

PLM LABORATORY RESULTS



3151 San Bernadino St.
Clearwater, Florida 33759
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		Page 1 of 6

On 2/26/2019, forty-five (45) bulk material samples were submitted by Mike Bradshaw for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006510-001	Concrete HA1-1	None Detected-Grey Concrete
006510-002	Concrete HA1-2	None Detected-Grey Concrete
006510-003	Concrete HA1-3	None Detected-No Sample
006510-004	Concrete HA2-4	None Detected-Grey Concrete
006510-005	Concrete HA2-5	None Detected-Grey Concrete
006510-006	Concrete HA2-6	None Detected-Grey Concrete
006510-007	Yellow Lane Paint HA3-7	None Detected-Yellow Lane Paint
006510-008	Yellow Lane Paint HA3-8	None Detected-Yellow Lane Paint
006510-009	Yellow Lane Paint HA3-9	None Detected-Yellow Lane Paint
006510-010	White Lane Paint HA4-10	None Detected-White Lane Paint
006510-011	White Lane Paint HA4-11	None Detected-White Lane Paint
006510-012	White Lane Paint HA4-12	None Detected-White Lane Paint

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



PLM REPORT SUMMARY

3151 San Bernadino St.
 Clearwater, Florida 33759
 813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 2 of 6

On 2/26/2019, forty-five (45) bulk material samples were submitted by Mike Bradshaw for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006510-013	Reflector Mastic HA5-13	None Detected-Black Mastic
006510-014	Reflector Mastic HA5-14	None Detected-Black Mastic
006510-015	Reflector Mastic HA5-15	None Detected-Black Mastic
006510-016	Expansion Joints HA6-16	None Detected-Gray Expansion Joint
006510-017	Expansion Joints HA6-17	None Detected-Gray Expansion Joint
006510-018	Expansion Joints HA6-18	None Detected-Gray Expansion Joint
006510-019	12" Floor Tiles (Two Layers) HA7-19	None Detected-Black Floor Tile None Detected-Clear Adhesive 5% Chrysotile-Green Floor Tile 5% Chrysotile-Black Mastic
006510-020	12" Floor Tiles (Two Layers) HA7-20	None Detected-Black Floor Tile None Detected-Clear Adhesive
006510-021	12" Floor Tiles (Two Layers) HA7-21	None Detected-Black Floor Tile None Detected-Clear Adhesive 5% Chrysotile-Green Floor Tile 5% Chrysotile-Black Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		Page 3 of 6

On 2/26/2019, forty-five (45) bulk material samples were submitted by Mike Bradshaw for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006510-022	Class 5 Coating On Concrete HA8-22	None Detected-Cement
006510-023	Class 5 Coating On Concrete HA8-23	None Detected-Cement
006510-024	Class 5 Coating On Concrete HA8-24	None Detected-Cement
006510-025	Concrete HA9-25	None Detected-Grey Concrete
006510-026	Concrete HA9-26	None Detected-Grey Concrete
006510-027	Concrete HA9-27	None Detected-Grey Concrete
006510-028	Cove Base Adh HA10-28	None Detected-Black Baseboard None Detected-Cream Mastic
006510-029	Cove Base Adh HA10-29	None Detected-Black Baseboard None Detected-Cream Mastic
006510-030	Cove Base Adh HA10-30	None Detected-Black Baseboard None Detected-Cream Mastic
006510-031	Textured Wall Paint HA11-31	None Detected-Texture w/ Paint
006510-032	Textured Wall Paint HA11-32	None Detected-Texture w/ Paint

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Clearwater, Florida 33759
813-679-0720 / mhall005@tampabay.rr.com

NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 4 of 6

On 2/26/2019, forty-five (45) bulk material samples were submitted by Mike Bradshaw for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006510-033	Textured Wall Paint HA11-33	None Detected-Texture w/ Paint
006510-034	Asphalt Roadway HA12-34	None Detected-Black Asphalt
006510-035	Asphalt Roadway HA12-35	None Detected-Black Asphalt
006510-036	Asphalt Roadway HA12-36	None Detected-Black Asphalt
006510-037	Concrete HA13-37	None Detected-Grey Concrete
006510-038	Concrete HA13-38	None Detected-Grey Concrete
006510-039	Concrete HA13-39	None Detected-Grey Concrete
006510-040	Rip Rap HA14-40	None Detected-Rip Rap
006510-041	Rip Rap HA14-41	None Detected-Rip Rap
006510-042	Rip Rap HA14-42	None Detected-Rip Rap
006510-043	Bearing Pads HA15-43	None Detected-Black Polymer Bearing Pad
006510-044	Bearing Pads HA15-44	None Detected-Black Polymer Bearing Pad

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

On 2/26/2019, forty-five (45) bulk material samples were submitted by Mike Bradshaw for asbestos analysis by PLM/DS. Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006510-045	Bearing Pads HA15-45	None Detected-Black Polymer Bearing Pad

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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NVLAP Lab Code 200703-0

Client :	DMC	Lab Set No. :	006510
Project :	SR31 over Caloosahatchee River, Lee County, Fl	AT Job No. :	19-6510
Client Project No.:	DMC 19-020	Report Date :	3/4/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	2/21/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 6 of 6

SCOPE OF THIS REPORT

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Monte Hall, P.G.

Laboratory Director : Monte Hall, P.G.
Florida Registration No. 1658

Approved Signatory :

LAB 6510

P.O. Box 270010
Tampa, FL 33688
813.265.0181
ZA0000-231

CLIENT: NorthStar, Philip Glover
PROJECT: Compr. Asbestsos Survey Bascule Bridge 120064
LOCATION: SR 31 over Caloosahatchee River, Lee County FL

DATE: 2/21/2019
PROJECT #: DMC 19-020
PAGE: 1 OF 3
SURVEYOR: J. Michael Bradshaw

WILSON PIGOTT DRAW BRIDGE

SAMPLE NO.	CODE	HOMO. AREA	GENERAL LOCATION	MATERIAL SAMPLED	QUANTITY (SQ. FT.)	FRIABLE (Y/N)	CONDITION (SD/D/G)
1, 2, 3	AD	1	ROADWAY DECK	CONCRETE	5,900	N(Y)	G
4, 5, 6	CB	2	BARRIERS/SIDEWALKS	CONCRETE	1,600	N(Y)	G
7, 8, 9	YLP	3	ROADWAY DECK	YELLOW LAKE PAINT	300 LF	N(Y)	D
10, 11, 12	WPF	4	ROADWAY DECK	WHITE LAKE PAINT	900 LF	N(Y)	D
13, 14, 15	RM	5	ROADWAY DECKS	REFLECTOR MASTIK	25	N	G



DATE:	ANALYSIS REQUESTED:
2-21-19	PCM
DATE:	DMC CONTACT:
	MB
DATE:	TURN-AROUND-TIME:
2-26-19	STANDARD

SAMPLES COLLECTED BY:	
Name:	MIKE BRADSHAW
Signature:	<i>[Signature]</i>
SAMPLES RECEIVED BY:	
Name:	Monte Hoff
Signature:	<i>[Signature]</i>

CHAIN OF CUSTODY

NOTE: Steel scuppers observed



DMC

P.O. Box 270010
Tampa, FL 33688
813.265.0181
ZA0000-231

CLIENT: NorthStar, Philip Glover

DATE: 2/21/2019

PROJECT: Compr. Asbestos Survey Bascule Bridge 120064

PROJECT #: DMC 19-020

LOCATION: SR 31 over Caloosahatchee River, Lee County FL

PAGE: 2 OF 3

SURVEYOR: J. Michael Bradshaw

LAB 6510

SAMPLE NO.	CODE	HOMO. AREA	GENERAL LOCATION	MATERIAL SAMPLED	QUANTITY (SQ. FT.)	FRIABLE (Y/N)	CONDITION (SD/D/G)
16,17,18	ES	6	ROADWAY	EXPANSION JOINTS	300LF	N	G
19,20,21	FT	7	TENDER HOUSE	12" FLOOR TILE (TWO LAYERS)	136	N	D
22,23,24	CI	8	BARBERS & TENDER HOUSE	CLASS IV CEILING ON CONCRETE	500	N(U)	G
25,26,27	C	9	TENDER HOUSE WALLS & ROOF	CONCRETE	600	N(U)	G
28,29,30	BS	10	TENDER HOUSE	COVE BASE ADH.	50LF	N	G

DATE:	ANALYSIS REQUESTED:
2.21.19	PLM
DATE:	DMC CONTACT:
	MS
DATE:	TURN-AROUND-TIME:
2.26-19	STANDARD

SAMPLES COLLECTED BY:	
Name:	<i>A. M. M.</i>
Signature:	<i>A. M. M.</i>
SAMPLES RECEIVED BY:	
Name:	<i>Mark Hill</i>
Signature:	<i>Mark Hill</i>

CHAIN OF CUSTODY



DMC

P.O. Box 270010
Tampa, FL 33688
813.265.0181
ZA0000-231

CLIENT: NorthStar, Philip Glover

DATE: 2/21/2019

PROJECT: Compr. Asbestsos Survey Bascule Bridge 120064

PROJECT #: DMC 19-020

LOCATION: SR 31 over Caloosahatchee River, Lee County FL

PAGE: 3 OF 3

SURVEYOR: J. Michael Bradshaw

SAMPLE NO.	CODE	HOMO. AREA	GENERAL LOCATION	MATERIAL SAMPLED	QUANTITY (SQ. FT.)	FRIABLE (Y/N)	CONDITION (SD/D/G)
31,32,33	WP	11	TENDER HOUSE	TEXTURED WALL PAINT	400	Y	G
34,35,36	A	12	BRIDGE APPROACHES	ASPHALT ROADWAY	2,500	N	G
37,38,39	CS	13	STRUCTURE, BEAMS ABUTMENTS & PILINGs	CONCRETE	17,000	N(U)	G
40,41,42	RR	14	EMBANKMENTS	RIP RAP	4,000	N(U)	G
43,44,45	BP	15	BASCULE BRIDGE BREAK PADS	(ASSUMED ASBESTOS) BEARING PADS	50	N	G

CHAIN OF CUSTODY

SAMPLES COLLECTED BY:
Name: A. M. M.
Signature: [Signature]

SAMPLES RECEIVED BY:
Name: [Signature]
Signature: [Signature]

DATE: 2.21.19 ANALYSIS REQUESTED:
DATE: 2.26.19 DMC CONTACT: MB
DATE: 2.26.19 TURN-AROUND-TIME: STANDARD

APPENDIX B
LICENSES & CERTIFICATIONS



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

DIVERSIFIED MANAGEMENT & CONSTRUCTION INC

J. MICHAEL BRADSHAW
PO BOX 270010
PO BOX 270010
TAMPA FL 33688

LICENSE NUMBER: ZA0000231

EXPIRATION DATE: NOVEMBER 30, 2019

Always verify licenses online at MyFloridaLicense.com



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RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

THE ASBESTOS CONSULTANT - ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

BRADSHAW, JOHN MICHAEL

554 79TH TERRACE NORTH
UNIT #311
ST. PETERSBURG FL 33702

LICENSE NUMBER: EA0000066

EXPIRATION DATE: NOVEMBER 30, 2020

Always verify licenses online at MyFloridaLicense.com



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Florida Approval FL49-0001008



Training Services

John Michael Bradshaw

Has successfully completed the requisite training for
Asbestos Accreditation as required by TSCA Title II

ASBESTOS BUILDING INSPECTOR REFRESHER FL2847

Course Date: 01-10-2019

Certificate Number: RTS01102019IR-02

Exam Date: 01-10-2019

A handwritten signature in blue ink, appearing to read "J.M. Bradshaw".

Expiration Date: 01-10-2020

Instructor(s): J.M. Bradshaw

Course Location: Tampa, Florida

A handwritten signature in blue ink, appearing to read "Eue Penrose".

Course Administrator

Retra Training Services ∞ Post Office Box 270010 ∞ Tampa, FL 33688 ∞ 1-888-839-3315/727-938-5459 ∞ www.retratraining.com

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200703-0

Arrowhead Technologies, L.L.C.
Clearwater, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2019-01-01 through 2019-12-31

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Luman".

For the National Voluntary Laboratory Accreditation Program

APPENDIX C

FIGURES

APPENDIX D
PHOTOGRAPHS



Photo No. 1- Non-Asbestos-Containing Concrete Barriers, Concrete Roadway and Yellow Lane Paint

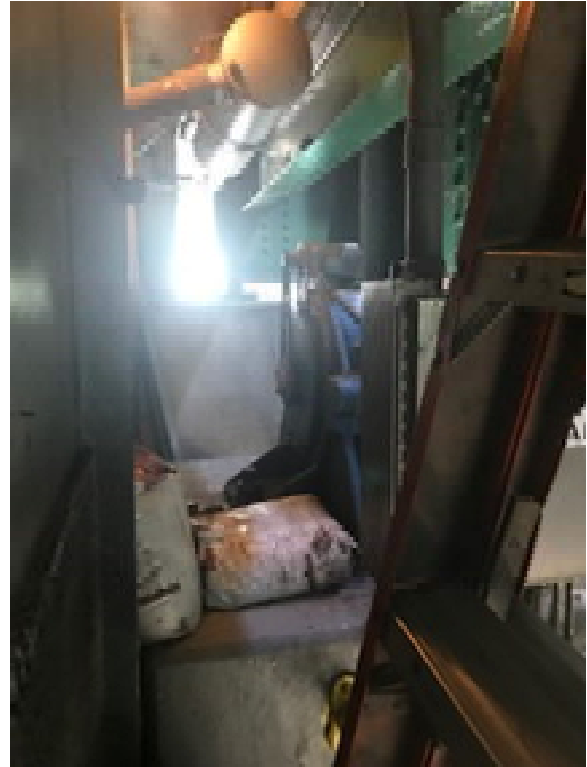


Photo No. 2- Braking Equipment **assumed to include Asbestos-Containing Brake Pads**



Photo No. 3- Non-Asbestos-Containing Class 5 Coating on Concrete Tender House Roof and Roadway Barriers



Photo No. 4- **Asbestos-Containing Floor Tile and Adhesive** in Tender House

Bascule Bridge No. 120064, Wilson Pigott Draw Bridge, Lee County, Florida
DMC Project No. 19-020



Photo No. 5 - Non-Asbestos-Containing Cove base in Tender House



Photo No. 6 - Non-Asbestos-Containing Concrete Barriers



Photo No. 7 - Non-Asbestos-Containing Reflector Mastic



Photo No. 8 - Non-Asbestos-Containing Expansion Joint

Bascule Bridge No. 120064, Wilson Pigott Draw Bridge, Lee County, Florida
DMC Project No. 19-020



Photo No. 9 - Non-Asbestos-Containing Yellow and White Lane Paint



Photo No. 10 - View of Steel Scuppers- NOT Suspected to Contain Asbestos



Photo No. 11- Non-Asbestos-Containing Concrete Barrier Showing Year of Construction (1960)

APPENDIX E

LIMITATIONS

LIMITATIONS

The sampling and laboratory protocols used in this survey are in accordance with generally accepted industry standards in the State of Florida. These methods are inherently limited in nature, but due to the random collection of samples, they provide a high probability of determining asbestos content. Any condition discovered which deviates substantially from the data contained in this report should be reported to DMC for review.

Our findings are based on the data obtained during the survey, and interpretation of that data based on our professional experience. This report is not meant to confer that all potential asbestos-containing materials that may be present in the building have been identified. Inaccessible areas may include, but are not limited to: pipe chases, underground areas, fire-rated doors, etc. Without extensive destructive testing, complete documentation of all ACM cannot be provided.

It is recommended that if the initial survey was performed when the building was occupied, a follow-up visit to allow for more destructive sampling be conducted once the building is vacant but prior to renovation or demolition activities. If, during renovation or demolition activities, additional suspect building materials are observed that are not identified in this survey, they should be assumed positive for asbestos until further sampling and subsequent laboratory analysis proves otherwise.

The information contained in this report was prepared based upon specific parameters and regulations in force as of the date of the report. This report and its findings were prepared on behalf of and for the exclusive use of DMC and its Client. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party or be used or relied upon by any other party without written consent from DMC or its designee(s).

APPENDIX F
QA/QC PROCEDURES & RESULTS

QUALITY ASSURANCE PROCEDURES

Data Review

The Laboratory Manager shall review all analytical results for accuracy and completeness prior to releasing them to ARROWHEAD TECHNOLOGIES, LLC project personnel or to the client. The Laboratory Manager shall also review QA re-analyses of samples for each specific project. If no discrepancies are noted, the Laboratory Manager shall sign the Statement of Accreditation (Appendix 5) which accompanies the sample results.

QA Re-analysis

The QA Manager will select 10% of the samples analyzed by each analyst. Special attention should be paid to borderline samples of floor tile, roofing, ceiling and plaster material and any other material that has a high potential of being asbestos-containing. All re-analyses will be given to the QA Manager to be checked for discrepancies as defined in the "Acceptability Standards" section of this document. If any discrepancies are noted, they will be resolved before results are sent out.

Intra-Laboratory Proficiency Testing

All laboratory analysts will participate in proficiency testing exercises using NIST-standard reference material. This test data and the data from the current NIST proficiency rounds will be used to calculate statistical controls for each analyst and will be reported in the monthly laboratory summary.

Inter-laboratory "Round-Robin"

The laboratory will attempt to participate in a "round-robin" type sample exchange program with other NVLAP laboratories. This program when implemented will consist of the periodic exchange of reference

samples which will be analyzed by all analysts from each laboratory. Sample results will be collated by the originating laboratory and a report will be produced by the QA Manager and sent to each participating laboratory. For this laboratory, discrepancies will be determined in accordance with the "Acceptability Standards" section of this document. Comparisons will be made of asbestos type and percent for each sample including refractive indices.

NIST-NVLAP

The laboratory will participate in the NIST-NVLAP Proficiency Program. Proficiency testing samples will be analyzed individually by each analyst without consultation with any other analyst. Results will be turned into the QA Manager for collation. The QA Manager will select the results to be sent in for each round. Reported results will be checked by a second person before mailing or reporting to determine if any clerical errors were made while transposing the data to the report form. When the reference results come in from NIST, each analyst's results will be evaluated in accordance with the standards set forth in the NIST report.

Storage and Handling of Reference Material

Reference Material will be clearly labeled and stored in the laboratory storage area and under the supervision of the QA Manager and Laboratory Deputy. All Reference Material will be opened only under a bio-hood and only after the hood and all tools have been cleaned. Containers should be closed immediately after reference samples have been extracted.

If a sample is to be analyzed by another analyst, a representative sub-sample should be prepared in a separate clear container. The sub-sample should be clearly labeled and should not be placed back in the original reference container.

If reference materials are to be transported, they will be double-sealed and protected from crushing. Containers for transport should be clearly marked and have a chain-of-custody form attached to the container.

CONTAMINATION CONTROL

Refractive Index Liquids

Analysts will check each of the three main RI Liquids (1.55, 1.605 and 1.680) daily for contamination. This contamination check will consist of preparing 2 mounts of salt standards in the liquid to be checked. These mounts will then be carefully scanned under the PLM at 100x. If contamination is suspected the analyst should start by cleaning his tools and prep area. Then prepare a fresh set of salt and oil slides to re-check for cross contamination. A reiterative process must be followed to isolate and eliminate the source of the cross-contamination before proceeding with any analytical work. The analyst will initial the Contamination and Microscope Alignment Check form (Attachment 13) daily after the check is performed.



QC SAMPLE 006510-004

Original Analyst : **Monte Hall, P.G.**

Date : **2/28/201**

Sample Passed QC
2nd Analysis - OK

Sample Description : **Concrete HA2-4**

Page 1 of 1

Layer 1 **Grey Concrete**

Stereoscopic Exam

Color	Texture	Homogeneous?	% Fibrous	% Asbestos	% of Sample
Grey	Hard	YES	ND	ND	

PLM Examination

Components	% +/-	Morphology	Color / Pleochroism	Parallel Ref. Index	Perpendicular Ref. Index	Biref	Extinction Angle	Sign of Elongation
Aggregate	60	Non-fibrous						
Cement Binders	40	Non-fibrous				Hi		

Prep/treatment : **mechanical separation**

Asbestos Content : **None Detected**

Comments :

Analyst : **Monte Hall, P.G.**

Date : **3/ 4/2019**

Lab Set# : **006510**

Lab Sample No. : **006510-004**



QC SAMPLE 006510-013

Original Analyst : **Monte Hall, P.G.**

Date : **2/28/201**

**Sample Passed QC
2nd Analysis - OK**

Sample Description : **Reflector Mastic HA5-13**

Page 1 of 1

Layer 1 **Black Mastic**

Stereoscopic Exam

Color	Texture	Homogeneous?	% Fibrous	% Asbestos	% of Sample
Black	Asphaltic	YES	ND	ND	

PLM Examination

Components	%	+/-	Morphology	Color / Pleochroism	Parallel Ref. Index	Perpendicular Ref. Index	Biref	Extinction Angle	Sign of Elongation
Bitumen & Binder	100			Blk /None			None		

Prep/treatment : **heat / melt**

Asbestos Content : **None Detected**

Comments :

Analyst : **Monte Hall, P.G.**

Date : **3/ 4/2019**

Lab Set# : **006510**

Lab Sample No. : **006510-013**



QC SAMPLE 006510-023

Original Analyst : **Monte Hall, P.G.**

Date : **2/28/201**

**Sample Passed QC
2nd Analysis - OK**

Sample Description : **Class 5 Coating On Concrete HA8-23**

Page 1 of 1

Layer 1 **Cement**

Stereoscopic Exam

Color	Texture	Homogeneous?	% Fibrous	% Asbestos	% of Sample
Grey	Hard	YES	ND	ND	

PLM Examination

Components	%	+/-	Morphology	Color / Pleochroism	Parallel Ref. Index	Perpendicular Ref. Index	Biref	Extinction Angle	Sign of Elongation
Cement Binders	100		Non-fibrous				Hi		

Prep/treatment : **mechanical separation**

Asbestos Content : **None Detected**

Comments :

Analyst : **Monte Hall, P.G.**

Date : **3/ 4/2019**

Lab Set# : **006510**

Lab Sample No. : **006510-023**



QC SAMPLE 006510-033

Original Analyst : **Monte Hall, P.G.**

Date : **2/28/201**

Sample Passed QC
2nd Analysis - OK

Sample Description : **Textured Wall Paint HA11-33**

Page 1 of 1

Layer 1 Texture w/ Paint

Stereoscopic Exam

Color	Texture	Homogeneous?	% Fibrous	% Asbestos	% of Sample
White/Grn	Blocky	YES	ND	ND	

PLM Examination

Components	% +/-	Morphology	Color / Pleochroism	Parallel Ref. Index	Perpendicular Ref. Index	Biref	Extinction Angle	Sign of Elongation
Paint	65	None	Opaque			None		
Calcite Quartz & Binder	35	Rhombs / Equant	Clear			H/L		

Prep/treatment : **mechanical separation**

Asbestos Content : **None Detected**

Comments :

Analyst : **Monte Hall, P.G.**

Date : **3/ 4/2019**

Lab Set# : **006510**

Lab Sample No. : **006510-033**



QC SAMPLE 006510-043

Original Analyst : **Monte Hall, P.G.**

Date : **2/28/201**

Sample Passed QC
2nd Analysis - OK

Sample Description : **Bearing Pads HA15-43**

Page 1 of 1

Layer 1 **Black Polymer Bearing Pad**

Stereoscopic Exam

Color	Texture	Homogeneous?	% Fibrous	% Asbestos	% of Sample
Black	Asphaltic	YES	ND	ND	

PLM Examination

Components	% +/-	Morphology	Color / Pleochroism	Parallel Ref. Index	Perpendicular Ref. Index	Biref	Extinction Angle	Sign of Elongation
Polymer & Binder	100	Non-fibrous	white/none			none		

Prep/treatment : **heat / melt**

Asbestos Content : **None Detected**

Comments :

Analyst : **Monte Hall, P.G.**

Date : **3/ 4/2019**

Lab Set# : **006510**

Lab Sample No. : **006510-043**

March 12, 2019

Phil Glover
2760 S. Falkenburg Rd
Riverview, FL 33578

RE: Workorder: T1903196 Wilson Pigott 120064

Dear Phil Glover:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, February 22, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dale Uvino - Project Manager
DUvino@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: T1903196 Wilson Pigott 120064

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1903196001	PS-1	Soil	2/21/2019 11:40	2/22/2019 10:15
T1903196002	PS-2	Soil	2/21/2019 11:45	2/22/2019 10:15
T1903196003	PS-3	Soil	2/21/2019 11:55	2/22/2019 10:15
T1903196004	PS-5	Soil	2/21/2019 13:20	2/22/2019 10:15
T1903196005	PS-6	Soil	2/21/2019 14:20	2/22/2019 10:15
T1903196006	PS-7	Soil	2/21/2019 14:40	2/22/2019 10:15
T1903196007	PS-8	Soil	2/21/2019 14:55	2/22/2019 10:15
T1903196008	PS-9	Soil	2/21/2019 15:05	2/22/2019 10:15
T1903196009	PS-10	Soil	2/21/2019 15:40	2/22/2019 10:15
T1903196010	PS-11	Soil	2/21/2019 15:50	2/22/2019 10:15
T1903196011	PS-12	Soil	2/21/2019 16:10	2/22/2019 10:15
T1903196012	PS-13	Soil	2/21/2019 16:25	2/22/2019 10:15
T1903196013	Comp 1 (1,2,5,6,7)	Soil	2/21/2019 00:00	2/22/2019 10:15
T1903196014	Comp 2 (3,8,9,10,11,12,13)	Soil	2/21/2019 00:00	2/22/2019 10:15
T1903196015	PS-4	Soil	2/21/2019 12:30	2/22/2019 10:15

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196001** Date Received: 02/22/19 10:15 Matrix: Soil
 Sample ID: **PS-1** Date Collected: 02/21/19 11:40

Results for sample T1903196001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	0.79	I	mg/Kg	1	2.4	0.51	2/25/2019 19:30	T
Cadmium	0.060	U	mg/Kg	1	0.21	0.060	2/25/2019 19:30	T
Chromium	1.0	I	mg/Kg	1	1.9	0.95	2/25/2019 19:30	T
Lead	0.50	U	mg/Kg	1	2.4	0.50	2/25/2019 19:30	T
Zinc	56		mg/Kg	1	4.8	2.4	2/25/2019 19:30	T
METALS								
Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196002** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-2** Date Collected: 02/21/19 11:45

Results for sample T1903196002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	0.51	U	mg/Kg	1	2.4	0.51	2/25/2019 19:35	T
Cadmium	0.15	I	mg/Kg	1	0.21	0.060	2/25/2019 19:35	T
Chromium	19		mg/Kg	1	1.9	0.95	2/25/2019 19:35	T
Lead	81		mg/Kg	1	2.4	0.50	2/25/2019 19:35	T
Zinc	59		mg/Kg	1	4.8	2.4	2/25/2019 19:35	T

METALS

Analysis Desc: Percent Solids,SM2540G,Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196003** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-3** Date Collected: 02/21/19 11:55

Results for sample T1903196003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	5.8		mg/Kg	1	2.0	0.43	2/25/2019 19:39	T
Cadmium	0.57		mg/Kg	1	0.18	0.050	2/25/2019 19:39	T
Chromium	37		mg/Kg	1	1.6	0.80	2/25/2019 19:39	T
Lead	150		mg/Kg	1	2.0	0.42	2/25/2019 19:39	T
Zinc	2500		mg/Kg	100	400	200	2/27/2019 20:06	T

METALS

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196004** Date Received: 02/22/19 10:15 Matrix: Soil
 Sample ID: **PS-5** Date Collected: 02/21/19 13:20

Results for sample T1903196004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3050B					
Analysis, Soils			Analytical Method: SW-846 6010					
Arsenic	1.7	I	mg/Kg	1	2.4	0.51	2/25/2019 19:44	T
Cadmium	0.22		mg/Kg	1	0.21	0.060	2/25/2019 19:44	T
Chromium	38		mg/Kg	1	1.9	0.95	2/25/2019 19:44	T
Lead	13		mg/Kg	1	2.4	0.50	2/25/2019 19:44	T
Zinc	220		mg/Kg	1	4.8	2.4	2/25/2019 19:44	T
METALS								
Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196005** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-6** Date Collected: 02/21/19 14:20

Results for sample T1903196005 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	7.0		mg/Kg	1	2.0	0.43	2/25/2019 20:07	T
Cadmium	0.26		mg/Kg	1	0.18	0.050	2/25/2019 20:07	T
Chromium	8.4		mg/Kg	1	1.6	0.80	2/25/2019 20:07	T
Lead	4.3		mg/Kg	1	2.0	0.42	2/25/2019 20:07	T
Zinc	72		mg/Kg	1	4.0	2.0	2/25/2019 20:07	T
METALS								
Analysis Desc: Percent Solids,SM2540G,Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196006** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-7** Date Collected: 02/21/19 14:40

Results for sample T1903196006 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	1.3	I	mg/Kg	1	1.6	0.34	2/25/2019 20:12	T
Cadmium	0.18		mg/Kg	1	0.14	0.039	2/25/2019 20:12	T
Chromium	15		mg/Kg	1	1.2	0.62	2/25/2019 20:12	T
Lead	22		mg/Kg	1	1.6	0.33	2/25/2019 20:12	T
Zinc	62		mg/Kg	1	3.1	1.6	2/25/2019 20:12	T

METALS

Analysis Desc: Percent Solids,SM2540G,Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196007** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-8** Date Collected: 02/21/19 14:55

Results for sample T1903196007 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	0.33	U	mg/Kg	1	1.5	0.33	2/25/2019 20:17	T
Cadmium	0.15		mg/Kg	1	0.14	0.038	2/25/2019 20:17	T
Chromium	3.0		mg/Kg	1	1.2	0.61	2/25/2019 20:17	T
Lead	1.6		mg/Kg	1	1.5	0.32	2/25/2019 20:17	T
Zinc	3100		mg/Kg	100	300	150	2/27/2019 20:09	T

METALS

Analysis Desc: Percent Solids,SM2540G,Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196008** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-9** Date Collected: 02/21/19 15:05

Results for sample T1903196008 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	2.1		mg/Kg	1	1.1	0.23	2/25/2019 20:21	T
Cadmium	2.8		mg/Kg	1	0.096	0.027	2/25/2019 20:21	T
Chromium	11		mg/Kg	1	0.85	0.43	2/25/2019 20:21	T
Lead	29		mg/Kg	1	1.1	0.22	2/25/2019 20:21	T
Zinc	340		mg/Kg	10	21	11	2/27/2019 20:13	T

METALS

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196009** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-10** Date Collected: 02/21/19 15:40

Results for sample T1903196009 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	1.1	I	mg/Kg	1	2.0	0.43	2/25/2019 20:26	T
Cadmium	1.2		mg/Kg	1	0.18	0.050	2/25/2019 20:26	T
Chromium	68		mg/Kg	1	1.6	0.80	2/25/2019 20:26	T
Lead	29		mg/Kg	1	2.0	0.42	2/25/2019 20:26	T
Zinc	20000		mg/Kg	100	400	200	2/28/2019 14:52	T

METALS

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196010** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-11** Date Collected: 02/21/19 15:50

Results for sample T1903196010 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	8.4		mg/Kg	1	2.3	0.49	2/25/2019 20:31	T
Cadmium	2.0		mg/Kg	1	0.20	0.057	2/25/2019 20:31	T
Chromium	540		mg/Kg	1	1.8	0.91	2/25/2019 20:31	T
Lead	9700		mg/Kg	1	2.3	0.48	2/25/2019 20:31	T
Zinc	18000		mg/Kg	100	450	230	2/28/2019 14:56	T

METALS, TCLP

Analysis Desc: 1311/6010B Analysis,TCLP			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Lead	30		mg/L	10	0.50	0.39	3/7/2019 15:40	T

METALS, TCLP

Analysis Desc: Percent Solids,SM2540G,Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196011** Date Received: 02/22/19 10:15 Matrix: Soil
 Sample ID: **PS-12** Date Collected: 02/21/19 16:10

Results for sample T1903196011 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	1.2	I	mg/Kg	1	1.9	0.42	2/25/2019 20:36	T
Cadmium	1.4		mg/Kg	1	0.17	0.048	2/25/2019 20:36	T
Chromium	49		mg/Kg	1	1.5	0.77	2/25/2019 20:36	T
Lead	770		mg/Kg	1	1.9	0.40	2/25/2019 20:36	T
Zinc	1000		mg/Kg	10	38	19	2/28/2019 14:59	T
METALS								
Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196012** Date Received: 02/22/19 10:15 Matrix: Soil
 Sample ID: **PS-13** Date Collected: 02/21/19 16:25

Results for sample T1903196012 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	0.77	I	mg/Kg	1	1.2	0.26	2/25/2019 20:40	T
Cadmium	0.34		mg/Kg	1	0.11	0.030	2/25/2019 20:40	T
Chromium	11		mg/Kg	1	0.98	0.49	2/25/2019 20:40	T
Lead	24		mg/Kg	1	1.2	0.25	2/25/2019 20:40	T
Zinc	300		mg/Kg	10	24	12	2/28/2019 15:03	T

METALS								
Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196013** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **Comp 1 (1,2,5,6,7)** Date Collected: 02/21/19 00:00

Results for sample T1903196013 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS, TCLP								
Analysis Desc: 1311/6010B			Preparation Method: SW-846 3010A					
Analysis, TCLP			Analytical Method: SW-846 6010					
Arsenic	0.014	U	mg/L	1	0.050	0.014	2/28/2019 20:32	T
Cadmium	0.0012	U	mg/L	1	0.0045	0.0012	2/28/2019 20:32	T
Chromium	0.14		mg/L	1	0.010	0.010	2/28/2019 20:32	T
Lead	0.15		mg/L	1	0.050	0.039	2/28/2019 20:32	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196014** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **Comp 2 (3,8,9,10,11,12,13)** Date Collected: 02/21/19 00:00

Results for sample T1903196014 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS, TCLP								
Analysis Desc: 1311/6010B			Preparation Method: SW-846 3010A					
Analysis, TCLP			Analytical Method: SW-846 6010					
Arsenic	0.014	U	mg/L	1	0.050	0.014	2/28/2019 20:27	T
Cadmium	0.026		mg/L	1	0.0045	0.0012	2/28/2019 20:27	T
Chromium	0.047		mg/L	1	0.010	0.010	2/28/2019 20:27	T
Lead	0.78		mg/L	1	0.050	0.039	2/28/2019 20:27	T

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ANALYTICAL RESULTS

Workorder: T1903196 Wilson Pigott 120064

Lab ID: **T1903196015** Date Received: 02/22/19 10:15 Matrix: Soil
Sample ID: **PS-4** Date Collected: 02/21/19 12:30

Results for sample T1903196015 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Soils			Preparation Method: SW-846 3050B Analytical Method: SW-846 6010					
Arsenic	0.28	U	mg/Kg	1	1.3	0.28	2/27/2019 19:11	T
Cadmium	1.1		mg/Kg	1	0.12	0.032	2/27/2019 19:11	T
Chromium	4.0		mg/Kg	1	1.0	0.51	2/27/2019 19:11	T
Lead	5.6		mg/Kg	1	1.3	0.27	2/27/2019 19:11	T
Zinc	16000		mg/Kg	1000	2600	1300	2/28/2019 15:07	T

METALS

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Moisture	0.0010	U	%	1	0.0010	0.0010	2/25/2019 12:00	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1903196 Wilson Pigott 120064

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: T1903196 Wilson Pigott 120064

QC Batch: DGM/2962 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3050B Prepared: 02/25/2019 11:00
Associated Lab Samples: T1903196001, T1903196002, T1903196003, T1903196004, T1903196005, T1903196006, T1903196007,

METHOD BLANK: 3008549

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Arsenic	mg/Kg	0.053	0.053 U
Cadmium	mg/Kg	0.0062	0.0062 U
Chromium	mg/Kg	0.099	0.099 U
Lead	mg/Kg	0.052	0.052 U
Zinc	mg/Kg	0.25	0.25 U

LABORATORY CONTROL SAMPLE: 3008550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
METALS					
Arsenic	mg/Kg	10	9.0	90	80-120
Cadmium	mg/Kg	10	8.7	87	80-120
Chromium	mg/Kg	10	9.2	92	80-120
Lead	mg/Kg	10	8.0	80	80-120
Zinc	mg/Kg	10	8.6	86	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3008551 3008552 Original: T1903159001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
METALS											
Arsenic	mg/Kg	0.97	10	64	67	92	97	75-125	4	20	
Cadmium	mg/Kg	0.17	10	53	54	82	83	75-125	1	20	
Chromium	mg/Kg	7.1	10	110	110	102	110	75-125	4	20	
Lead	mg/Kg	14	10	140	150	90	96	75-125	2	20	
Zinc	mg/Kg	25	10	210	190	84	57	75-125	8	20	

QC Batch: DGM/2970 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 02/27/2019 10:00
Associated Lab Samples: T1903196013, T1903196014

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QUALITY CONTROL DATA

Workorder: T1903196 Wilson Pigott 120064

METHOD BLANK: 3011086

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Arsenic	mg/L	0.014	0.014 U
Cadmium	mg/L	0.0012	0.0012 U
Chromium	mg/L	0.010	0.010 U
Lead	mg/L	0.039	0.039 U

LABORATORY CONTROL SAMPLE: 3011087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Arsenic	mg/L	2	2.0	102	80-120
Cadmium	mg/L	2	1.9	96	80-120
Chromium	mg/L	2	2.0	99	80-120
Lead	mg/L	2	1.8	92	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011088 3011089 Original: T1903196014

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.0082	2	2.2	2.3	110	116	75-125	5	20	
Cadmium	mg/L	0.026	2	2.0	2.1	97	103	75-125	6	20	
Chromium	mg/L	0.047	2	1.9	2.0	92	96	75-125	4	20	
Lead	mg/L	0.78	2	2.6	2.7	90	96	75-125	5	20	

QC Batch: DGMt/2971

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3050B

Prepared: 02/27/2019 11:00

Associated Lab Samples: T1903196015

METHOD BLANK: 3011090

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Arsenic	mg/Kg	0.054	0.054 U
Cadmium	mg/Kg	0.0062	0.0062 U
Chromium	mg/Kg	0.10	0.10 U
Lead	mg/Kg	0.052	0.052 U
Zinc	mg/Kg	0.25	0.25 U

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QUALITY CONTROL DATA

Workorder: T1903196 Wilson Pigott 120064

LABORATORY CONTROL SAMPLE: 3011091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Arsenic	mg/Kg	10	9.1	91	80-120	
Cadmium	mg/Kg	10	8.6	87	80-120	
Chromium	mg/Kg	10	8.8	88	80-120	
Lead	mg/Kg	10	8.0	80	80-120	
Zinc	mg/Kg	10	8.5	85	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3011092 3011093 Original: T1903253003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
METALS											
Arsenic	mg/Kg	0.36	10	9.3	9.2	84	83	75-125	2	20	
Cadmium	mg/Kg	0.049	10	8.7	9.2	81	86	75-125	5	20	
Chromium	mg/Kg	2.6	10	16	13	127	98	75-125	21	20	
Lead	mg/Kg	1.3	10	11	10	90	86	75-125	5	20	
Zinc	mg/Kg	3.5	10	14	13	93	90	75-125	3	20	

QC Batch: DGM/3002

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A

Prepared: 03/06/2019 10:00

Associated Lab Samples: T1903196010

METHOD BLANK: 3018236

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	mg/L	0.039	0.039	U

LABORATORY CONTROL SAMPLE: 3018237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2	1.9	94	80-120	

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QUALITY CONTROL DATA

Workorder: T1903196 Wilson Pigott 120064

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3018238 3018239 Original: T1903500001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Lead	mg/L	0	2	1.8	1.8	88	89	75-125	0	20	

QUALITY CONTROL DATA QUALIFIERS

Workorder: T1903196 Wilson Pigott 120064

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1903196 Wilson Pigott 120064

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1903196001	PS-1	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196002	PS-2	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196003	PS-3	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196004	PS-5	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196005	PS-6	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196006	PS-7	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196007	PS-8	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196008	PS-9	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196009	PS-10	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196010	PS-11	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196011	PS-12	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196012	PS-13	SW-846 3050B	DGMt/2962	SW-846 6010	ICPt/2125
T1903196001	PS-1			SM 2540G	WCAt/9416
T1903196002	PS-2			SM 2540G	WCAt/9416
T1903196003	PS-3			SM 2540G	WCAt/9416
T1903196015	PS-4			SM 2540G	WCAt/9416
T1903196004	PS-5			SM 2540G	WCAt/9417
T1903196005	PS-6			SM 2540G	WCAt/9417
T1903196006	PS-7			SM 2540G	WCAt/9417
T1903196007	PS-8			SM 2540G	WCAt/9417
T1903196008	PS-9			SM 2540G	WCAt/9418
T1903196009	PS-10			SM 2540G	WCAt/9418
T1903196010	PS-11			SM 2540G	WCAt/9418
T1903196011	PS-12			SM 2540G	WCAt/9418
T1903196012	PS-13			SM 2540G	WCAt/9418
T1903196013	Comp 1 (1,2,5,6,7)	SW-846 3010A	DGMt/2970	SW-846 6010	ICPt/2130
T1903196014	Comp 2 (3,8,9,10,11,12,13)	SW-846 3010A	DGMt/2970	SW-846 6010	ICPt/2130
T1903196015	PS-4	SW-846 3050B	DGMt/2971	SW-846 6010	ICPt/2131

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1903196 Wilson Pigott 120064

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1903196010	PS-11	SW-846 3010A	DGMt/3002	SW-846 6010	ICPt/2149

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 Tampa: 9510 Process Palm Ave • Tampa, FL 33619 • 813.830.9516 • Fax: 813.830.4327

Client Name: NorthStar Project Name: Wilson Pigoff 120064
 Address: 2760 S. Falkenburg Rd Project Number: 401910g
Riverview, Florida PO Number:
 Phone: 813-684-4400 FDEP Facility No.:
 FAX: FDEP Facility Address:
 Contact: Phil Glower SR 31 at Calosahatchee R.
 Special Instructions:
 Turn Around Time: STANDARD RUSH
 AEL Profile #:
 ADAPT EQUIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	Preservation Field Filtered?	ANALYSIS REQUIRED					BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME				Arsenic	Cadmium	Chromium	Lead	Zinc		
PS-1	White Lane Point	G	2/21	1140		1		X	X	X	X	X	001	
PS-2	Yellow Lane Point	G	2/21	1145		1		X	X	X	X	X	002	
PS-3	Green Point	G	2/21	1155		1		X	X	X	X	X	003	
PS-5	Gray Class S	G	2/21	1320		1		X	X	X	X	X	004	
PS-6	Tin Graft #1 - Point	G	2/21	1420		1		X	X	X	X	X	005	
PS-7	Gray Graft #1 - Point	G	2/21	1440		1		X	X	X	X	X	006	
PS-8	Ten Tenderhouse Point	G	2/21	1435		1		X	X	X	X	X	007	
PS-9	Black Tenderhouse Point	G	2/21	1505		1		X	X	X	X	X	008	
PS-10	Black Tenderhouse Point Red Point	G	2/21	1540		1		X	X	X	X	X	009	
PS-11	Yellow Point	G	2/21	1550		1		X	X	X	X	X	010	

Matrix Code: WW = wastewater / SW = surface water / GW = ground water / DW = drinking water / O = oil / A = air / SO = soil / SL = sludge
 Preservation Code: 1 = Ice HCl / S = (H2SO4) / N = (HNO3) / T = (Sodium Thiosulfate)

Received on Ice: Yes No Temp taken from sample Temp from blank Where required, pH checked

DCN: AD-051 Form last revised 06/19/2017 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 F: 10A R: 3A M: 3A S: IV F: 1A

Temp. when received (observed) 12.9 °C Temp. when received (corrected) 12.5 °C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<u>[Signature]</u>	<u>2/21/19</u>	<u>0800</u>	<u>[Signature]</u>	<u>2/22/19</u>	<u>08:00</u>
<u>[Signature]</u>	<u>2/22/19</u>	<u>10:12</u>	<u>[Signature]</u>	<u>2/22/19</u>	<u>10:05</u>

FOR DRINKING WATER USE:
 (When PWS information not otherwise supplied) PWS ID: _____
 Contact Person: _____ Phone: _____
 Supplier of Water: _____
 Site Address: _____



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 Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

T-1933196

Client Name: NorthStar Project Name: Wilson PiggH-120064
 Address: 2700 S. Falkenberg Road P.O. Number of Project Number: 4019108
River View, Florida FDEP Facility No.:
 Phone: 813-684-4400 Project Address: SR31 at Calosshavathie A.
 FAX:
 Contact: Pat Glou Special Instructions:
 Sampled By: Graff Fertilis
 Turn Around Time: STANDARD RUSH
 Page: 2 of 2 ADAPT EQUIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp.	SAMPLING		MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME						
PS-12	Gray Paint	G	2/21	1610		1		Arsenic Cadmium Chromium Lead Zinc TCLP 4-RCRA		011
PS-13	Light Gray Paint	G	2/21	1625		1				012
Camp 1	PS (4,2,5,6,7)	C								013
Camp 2	PS (3,8,9,10,11,12,13)	C								014
PS-4	Light Gray Class 5	G	2/21	12:30		1				015

Matrix Codes: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
 Received on Ice: Yes No Temp taken from sample Temp from blank
 DCN: AD-051 Form last revised 04/30/2015
 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A X: 3A M: 3A S: 1V
 Where required, pH checked
 Preservation Codes: I = ice H=(HCl) S=(H2SO4) N=(HNO3) T=(Sodium Thiosulfate)
 Temperature when received 12.5 (in degrees celcius)

Relinquished by: [Signature] Date: 2/22/19 Time: 08:00 Received by: [Signature] Date: 2/22/19 Time: 08:00
 1 [Signature] [Signature]
 2 [Signature] [Signature]
 3
 4

FOR DRINKING WATER USE:
 PWS ID: _____
 Contact Person: _____
 Supplier of Water: _____
 Site Address: _____
 Phone: _____