

# **Florida Department of Environmental Protection**

## **2019 Annual Ambient Air Monitoring Network Plan**

**Division of Air Resource Management  
Florida Department of Environmental Protection  
June 2019**

Florida Department of Environmental Protection  
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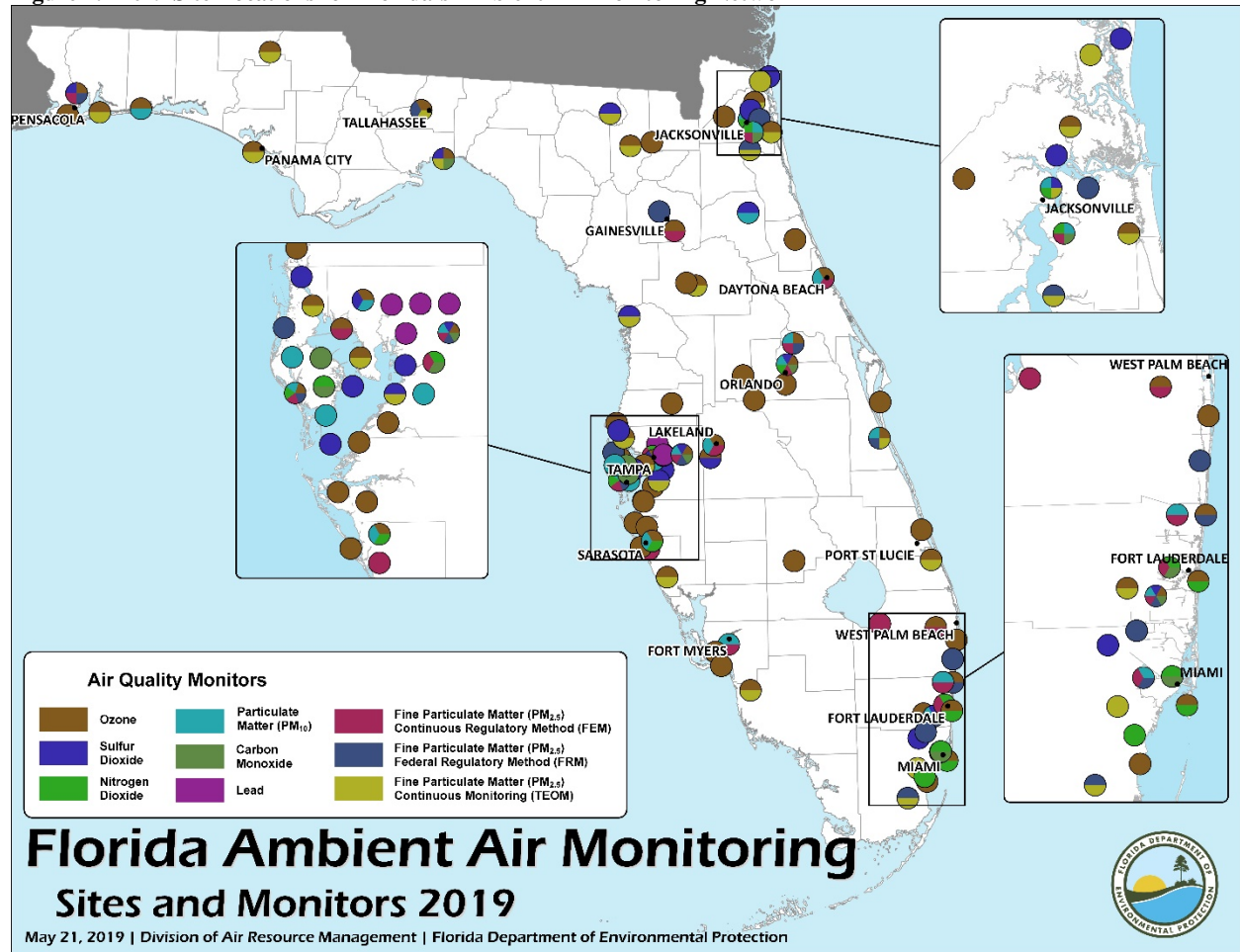


# 1.0 INTRODUCTION

The Florida Department of Environmental Protection (DEP) has developed and maintains a comprehensive ambient air monitoring network that covers over 90 percent of the 21 million people living in Florida, the third most populous state in the United States. This network is designed to provide the public with accurate air quality information, and currently meets or exceeds federal air monitoring requirements.

The network is comprised of more than 200 monitors at 96 sites strategically positioned across the state. As shown in Figure 1.1, these sites are concentrated in areas of higher population density, along the coast, and near interstate highways. In addition, the Department established three rural monitoring sites as representative locations for comparison to regional background levels of pollution: one in the panhandle, one in the northern area of the peninsula, and one in the southern area of the peninsula.

**Figure 1.1 2019 Site Locations for Florida’s Ambient Air Monitoring Network**



All of Florida’s monitoring agencies are managed under a Primary Quality Assurance Organization (PQAO) to ensure that monitoring is conducted pursuant to a common set of procedures, using common calibration facilities and standards, and with oversight by a single air quality agency. DEP’s Division of Air Resource Management is the coordinating agency that oversees this PQAO, which consists of DEP and nine Local Programs (see Table 1.1 below).

**Table 1.1 Florida's Primary Quality Assurance Organization**

<b>DEP’s Division of Air Resource Management</b>	<b>Local Programs</b>
Office of Air Monitoring	Broward County
Emerald Coast (Panama City area)	City of Jacksonville
First Coast (Jacksonville area)	Hillsborough County
Forgotten Coast (Tallahassee area)	Manatee County
Lee Island Coast (Ft. Myers area)	Miami-Dade County
Nature Coast (Gainesville area)	Orange County
Naval Aviation Coast (Pensacola area)	Palm Beach County
Space Coast (Orlando area)	Pinellas County
Sun Coast (Tampa area)	Sarasota County

Florida’s air monitoring network is designed to provide timely air pollution data to the public, support compliance with ambient air quality standards, develop emission reduction strategies, and support air pollution research studies. Data gathered from Florida’s monitoring network are used to:

- Determine an area’s compliance with the National Ambient Air Quality Standards (NAAQS);
- Produce a daily Air Quality Index (AQI) report;
- Compile daily air quality forecast reports;
- Support short and long-term health risk assessments;
- Identify localized health concerns; and
- Track long-term trends in air quality that could potentially affect the quality of life of Florida’s residents and visitors.

This annual Air Monitoring Network Plan is a requirement of the Code of Federal Regulations (40 CFR 58) established by the U.S. Environmental Protection Agency (EPA). The purpose of this report is to provide evidence that Florida’s air monitoring network meets current regulations, detail any changes proposed for the 18-month period following its publication, and provide specific information on each of the state's existing and proposed monitoring sites. Federal regulations require that the plan be posted for public comment 30 days before submission to the EPA Regional Office. The plan will be made available to the public on the DEP website from May 23, 2019 through June 23, 2019 for the 30-day comment period.

## 2.0 AIR MONITORING NETWORK 2019

On January 1, 2015, the U.S. Environmental Protection Agency (US EPA) designated the State of Florida as one Primary Quality Assurance Organization (PQAO) responsible for monitoring air pollution. Florida's PQAO consists of Florida DEP as the lead agency, and 9 local air monitoring organizations throughout the state. Florida's air monitoring network is critical for assessing the state's progress in maintaining and improving air quality, understanding temporal variations in air pollutants and evaluating pollutant exposure by individuals and the environment. One fundamental purpose of monitoring is to distinguish between areas where pollutant levels violate the ambient air quality standards and areas where they do not. Areas in violation of a standard require increased efforts to reduce the pollution that results in exceedances. Air quality agencies develop strategies, programs and regulations to achieve needed emission reductions. Data from the Florida's air monitoring network are then used to determine the rate of progress toward attaining the standards.

DEP submitted its 2018 Annual Air Monitoring Network Plan to EPA on June 30, 2018 for review and approval, which was approved on October 22, 2018. DEP also submitted a 2018 Air Monitoring Network Plan Addendum to EPA on January 24, 2019 for proposed site and monitor modifications that were not covered in the 2018 Annual Air Monitoring Network Plan. The 2018 Addendum received EPA approval on March 1, 2019. This plan represents the 2019 Annual Air Monitoring Network Plan and was publicly noticed from May 23<sup>rd</sup> through June 23<sup>rd</sup>. All comments received during this period were addressed and the 2019 plan was submitted to EPA for review and approval by June 30, 2019.

### 2.1 NETWORK DESIGN PRINCIPLES

The principles that guide Florida's network design are:

1. Sites will meet the Code of Federal Regulations for the number, type and placement of monitors.
2. Attention will be paid to historic areas of exceedances or violations where contributing industries, activities, and/or population have been maintained.
3. There will be sufficient ozone and fine particle pollution monitors to maintain AQI reporting for large (350,000+ population) communities.
4. During network design, weight will be given to monitors that have long historical records.
5. Partnerships with private entities will be used judiciously.
6. Any monitoring required by the State Implementation Plans (SIP) will continue.
7. Coordination with Florida's local programs will be maintained to achieve a quality statewide network.

Details of the network are in the "Network Description and Requirements" section of this plan. The network description is organized first by the largest Metropolitan Statistical Areas followed by the monitoring of areas not within a Metropolitan Statistical Area. Nine county agencies assist DEP in the operation of the statewide air monitoring network. Each county's Metropolitan Statistical Areas or Micropolitan Statistical Area is identified. Requirements for the minimum number of monitoring sites are dependent on both population and population concentration for ozone, PM<sub>2.5</sub> and PM<sub>10</sub>. The recently calculated Population Weighted Emission Index (PWEI) is listed for any areas with a PWEI over 5,000 where monitoring for sulfur dioxide is required.

The Air Quality Index (AQI) is reported and updated hourly on DEP's website at [www.floridadep.gov/air/air-monitoring/content/floridas-air-quality](http://www.floridadep.gov/air/air-monitoring/content/floridas-air-quality). It is available in both graphical and text versions. The data to support this website are collected from all continuous monitors in the state. These data are also shared on EPA's AIRNOW site at [www.airnow.gov](http://www.airnow.gov).

An Air Monitoring Network Plan is also required to provide evidence that siting and operation of each monitor meets the requirements of Appendices A, B, C, D and E of 40 CFR Part 58, where

applicable. Appendix A specifies the minimum quality system requirements applicable to State and Local Air Monitor Stations (SLAMS) and other monitor types whose data are intended to be used to determine compliance with NAAQS. Florida meets 40 CFR Part 58, Appendix A requirements with three basic functions:

1. A quality system must have approved standard operating procedures (SOP), a Quality Management Plan (QMP) and Quality Assurance Project Plans (QAPP), which are in place and updated as needed. The Gaseous QAPP was approved in April 2018 and the PM<sub>2.5</sub> QAPP was approved in July 2012 and is currently under revision. The current QMP was approved in December 2014.
2. DEP Quality Assurance staff complete instrument performance and technical systems audits for all agencies throughout the state.
3. All quality assurance and quality control records must be sent to EPA's Air Quality System (AQS) database quarterly.

40 CFR Part 58, Appendix B, describes quality assurance requirements for Prevention of Significant Deterioration (PSD) air monitoring. Florida's air monitoring network does not include any PSD monitors; therefore, these requirements are not applicable.

40 CFR Part 58, Appendix C, describes general ambient air quality monitoring methodology. Florida's air monitoring network is comprised of both federally and non-federally approved instrumentation. Only data from the federally approved instrumentation can be used for designations. Additionally, all instruments are subjected to the same quality assurance and quality control requirements as those used for designations. Florida's instrumentation meets 40 CFR Part 58, Appendix C requirements and are described in detail in Appendix C of this Plan.

40 CFR Part 58, Appendix D, contains the network design criteria for ambient air quality monitoring. Sites within Florida's air monitoring network are established using these requirements. This annual Air Monitoring Network Plan assesses the network's ability to meet these requirements.

40 CFR Part 58, Appendix E, contains the probe siting criteria for ambient air quality monitoring. To assure that these requirements continue to be met, sites are reviewed annually by DEP QA audit staff. The results of these reviews are used to determine if the sites meet siting requirements. Any discrepancies are dealt with, at minimum, on an annual basis. A table summarizing the site reviews conducted in the last year, as well as any issues discovered, is provided in Appendix B of this Plan. All of Florida's sites meet 40 CFR Part 58, Appendix E unless explicitly noted in Appendix B of this Plan.

## 2.2 NETWORK EQUIPMENT UPGRADES AND ENHANCEMENT

Over the last several years, the PQAO has made extensive investments into Florida’s air monitoring network. These upgrades and enhancements have been implemented to take advantage of software and hardware technological advancements for greater operational efficiency. These equipment upgrades are reflected in the “Network Description and Requirements” and “Network Equipment Evaluation” sections of the plan. The following, Table 2.1, are major equipment purchases and upgrades accomplished during the last 18 months:

**Table 2.1 Equipment Purchases 2018-2019**

Agency	Quantity	Equipment Purchases
DEP	18	Agilaire Model 8872 Dataloggers
DEP	5	Fluke 51-Series II Thermometers with Type K Thermocouple Probes
DEP	1	Mesa Labs ML-800 Mass Flow Standard
DEP	4	MetOne AIO 2 All-In-One Weather Sensors
DEP	5	Novalynx Model 230-M202 Handheld Digital Barometer-Altimeters
DEP	1	Teledyne-API T640X PM Mass Monitor
DEP	2	Teledyne-API T700 Dynamic Dilution Calibrators
DEP	1	Teledyne-API T750U Portable Gas Calibrator
DEP	1	Teledyne-API T751H Portable Zero Air System
DEP	1	Thermo Model 146iQ Multi-Gas Calibrator
DEP	1	Thermo TEOM 1405 Continuous Ambient Particulate Monitor
Broward County	1	RM Young Wind Speed/Wind Direction
Broward County	1	RM Young Temperature / Pressure
Broward County	2	Teledyne-API T640 PM Mass Monitors
Broward County	2	Teledyne-API T640X PM Mass Monitors
Broward County	1	Teledyne-API T701H Zero Air Generator
Broward County	1	Thermo Model 48iQ-TLE Carbon Monoxide Analyzer
Broward County	4	Thermo Model 49iQPS Ozone Calibrators
Broward County	1	Thermo Model 146iQ Multi-Gas Calibrator
City of Jacksonville	1	Thermo 111 Zero Air Supply
City of Jacksonville	1	Teledyne-API T640 PM Mass Monitor
City of Jacksonville	2	Teledyne-API T640X PM Mass Monitors
Hillsborough County	1	RM Young Ultrasonic Anemometer
Hillsborough County	2	Thermo TEOM 1405 Continuous Ambient Particulate Monitors
Manatee County	1	Agilaire Model 8872 Datalogger
Miami-Dade County	2	Teledyne-API T300 Carbon Monoxide Analyzers
Miami-Dade County	2	Teledyne-API T640 PM Mass Monitors
Miami-Dade County	5	Teledyne-API T700 Dynamic Dilution Calibrators
Miami-Dade County	6	Teledyne-API T701 Zero Air Systems
Miami-Dade County	2	Thermo TEOM 1405 Continuous Ambient Particulate Monitors
Orange County	1	Fisher Scientific Drying Oven
Orange County	1	Thermo Model 42i Nitrogen Dioxide Analyzer

<b>Agency</b>	<b>Quantity</b>	<b>Equipment Purchases</b>
Orange County	1	Thermo Model 42iQ NO-NO2-NOx Analyzer
Orange County	3	Thermo Model 49iQ Ozone Analyzers
Orange County	1	Thermo 111iQ Zero Air Supply
Orange County	2	Thermo Model 146iQ Multi-Gas Calibrators
Palm Beach County	1	Agilaire Model 8872 Datalogger
Palm Beach County	1	Cradle Point MBR 1200B Router
Palm Beach County	1	Hygrometer
Palm Beach County	1	Laptop Computer
Palm Beach County	1	Meteorological Instrument
Palm Beach County	1	Router/Wireless Data Point
Palm Beach County	1	Site Shelter
Palm Beach County	1	Thermo Model 49iQPS Ozone Calibrator
Pinellas County	1	Alicat Flow Standard
Pinellas County	1	Canister Cleaner VOC
Pinellas County	1	EnviroNics 6100 Zero Air Generator
Pinellas County	2	Met One Instruments E-BAM Plus Particulate Monitors
Pinellas County	1	RM Young Wind Instrument
Pinellas County	1	Teledyne-API T640 PM Mass Monitor
Pinellas County	1	Thermo Model 49iPS Ozone Calibrator
Sarasota County	2	Davis Instruments Vantage Pro2 MET Sensors
Sarasota County	1	Site Shelter
Sarasota County	1	Thermo TEOM 1405 Continuous Ambient Particulate Monitor

### 3.0 AIR MONITORING NETWORK MODIFICATIONS

This Air Monitoring Network Plan lists the known changes to the network that have occurred in the last 18 months and those expected to occur in FY 2019. The discussion within this plan is organized as follows:

- Sites scheduled to shut-down or relocate;
- Scheduled monitor changes and discontinuations;
- Changes to PM<sub>2.5</sub> FRM operating schedules; and
- Network descriptions organized by pollutant for 2019.

This plan also provides additional site information in Appendix A, a summary of all site reviews for the network in Appendix B and a complete inventory list in Appendix C. DEP reserves the right to make unplanned network changes in the event a site needs to be closed or relocated due to events beyond our control. These may include, but are not limited to, issues with site access and unpredictable circumstances. Significant network modifications for 2019 are provided in Table 3.1.

**Table 3.1 Summary of Network Modifications**

AQS Site #	Site Name	Parameter	Modification
12-001-0023	Millhopper	PM <sub>2.5</sub> (Primary & Collocated monitors)	Close Expected: 6/2019
12-001-3012	Paynes Prairie Farm	Continuous PM <sub>2.5</sub>	Close: 8/2018; TEOM; Replaced by FEM
		Continuous PM <sub>2.5</sub> (Primary & Collocated monitors)	Addition: 1/2019; FEM
12-009-0007	Melbourne	PM <sub>2.5</sub>	Close Expected: 6/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Close: 2/2019; TEOM
		Continuous PM <sub>10</sub>	Close: 2/2019; TEOM 1405; Replaced by Alternate FEM
		Continuous PM <sub>2.5</sub> & PM <sub>10</sub>	Addition Expected: 7/2019; FEM
		Ozone, Continuous PM <sub>2.5</sub> & PM <sub>10</sub>	Relocation Expected: 7/2019
12-011-0034	Daniela Banu (NCore Site)	PM <sub>2.5</sub> (Primary & Collocated monitors)	Close Expected: 9/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Close Expected: 9/2019; 5014i; Replaced by Alternate FEM
		Continuous PM <sub>2.5</sub>	Addition Expected: 10/2019; FEM
12-011-2003	Pompano Highland Fire House	PM <sub>2.5</sub>	Close Expected: 6/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Addition Expected: 7/2019; FEM
12-011-5005	Coconut Creek	PM <sub>2.5</sub>	Close: 4/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Addition: 1/2019; FEM
12-031-0098	Mandarin Road	PM <sub>2.5</sub>	Close Expected: 9/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Close Expected: 9/2019; TEOM; Replaced by FEM
		Continuous PM <sub>10</sub>	Close Expected: 9/2019; TEOM 1405; Replaced by Alternate FEM
		Continuous PM <sub>2.5</sub> & PM <sub>10</sub>	Addition Expected: 10/2019; FEM
12-033-0004	Ellyson Industrial Park	PM <sub>2.5</sub> (Primary & Collocated monitors)	Close Expected: 6/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Addition: 1/2019; FEM

<b>AQS Site #</b>	<b>Site Name</b>	<b>Parameter</b>	<b>Modification</b>
12-086-6001	Homestead Fire Station	PM <sub>2.5</sub>	Close Expected: 12/2019; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Close Expected: 12/2019; TEOM; Replaced by FEM
		Continuous PM <sub>2.5</sub>	Addition Expected: 1/2020; FEM
		Continuous PM <sub>2.5</sub>	Relocation Expected: 1/2020
12-099-2005	Delray Beach	PM <sub>2.5</sub>	Close Expected: 12/2019; Replaced by FEM
		Continuous PM <sub>10</sub>	Close Expected: 9/2019; TEOM 1405; Replaced by Alternate FEM
		Continuous PM <sub>2.5</sub> & PM <sub>10</sub>	Addition Expected: 1/2020; FEM
12-115-1006	Paw Park	NO <sub>2</sub>	Close Expected: 6/2019



### 3.1 SITE SHUT-DOWNS, SET-UPS AND RELOCATIONS

#### A. Site Shut-downs

- Alachua County – Millhopper: AQS Site # 12-001-0023

DEP is requesting approval to remove the PM<sub>2.5</sub> monitoring site located at Millhopper in Alachua County as of June 30, 2019. This single pollutant monitoring site meets several scenarios defined in EPA’s Network Assessment Guidance and 40 CFR 58.14(c), where the state or local agency can confidently request approval for the shutdown of a SLAMS monitor. These include:

- The monitor showed attainment during the last five years;
- The probability is less than 10% that this monitor will exceed 80% of the applicable NAAQS during the next three years based on the concentrations, trends, and variability observed in the past;
- The monitor is not specifically required by an attainment plan or maintenance plan, as it is an attainment area which is expected to remain in attainment; and
- The monitor has not measured violations of the PM<sub>2.5</sub> NAAQS in the last five years.

The removal of this monitor will allow more flexibility of resources and for greater emphasis to be placed on the statewide endeavor to reduce the filter-based PM<sub>2.5</sub> network. As a result, two FEM T640 monitors will be added to the Paynes Prairie Farm site (AQS Site # 12-001-3012) to ensure continued PM<sub>2.5</sub> coverage within the Gainesville, FL area. A summary of the evaluation DEP performed for this monitor using EPA’s Ambient Air Monitoring Network Assessment Guidance (AAMNAG) document is provided below in Table 3.2.

**Table 3.2 Site and Monitor Evaluation Summaries for Discontinuation**

AQS Site #	Site Name	Type	Pollutant	Showed Attainment 2014-2018	Probability <10% Monitor Will Exceed 80% of NAAQS	Monitor Specifically Required by Attainment or Maintenance Plan	Last Monitor in Nonattainment or Maintenance Area	CFR Required	Modification	Comments
12-001-0023	Millhopper	SLAMS	PM <sub>2.5</sub>	Yes	Yes	No	No	No	CLOSE	See calculations in Table 3.3
12-001-0023	Millhopper	SLAMS	PM <sub>2.5</sub>	Yes	N/A	No	No	No	CLOSE	Collocated FRM Monitor

Section 4.1 of the AAMNAG states that a monitor can be removed (after Regional Administrator approval) if it is currently in attainment with the applicable NAAQS standard and if the following four tests can be met:

1. The PM<sub>2.5</sub>, ozone, CO, PM<sub>10</sub>, SO<sub>2</sub>, lead, or NO<sub>2</sub> monitor showed attainment during the previous five years.
2. The probability is less than 10% that the monitor will exceed 80% of the applicable NAAQS during the next three years based on the concentrations, trends, and variability observed in the past. This can be done using the following equation:

$$\bar{X} + \frac{t*s}{\sqrt{n}} < 0.8 * NAAQS$$

*$\bar{X}$  is the average design value for the last 5 years*

*t is the student's t value for n-1 degrees of freedom at the 90% confidence level*

*s is the standard deviation of the design values*

*n is the number of records (i.e., number of design values)*

*NAAQS is the standard of interest.*

3. The monitor is not specifically required by an attainment plan or maintenance plan.
4. The monitor is not the last monitor in a nonattainment area or maintenance area that contains a contingency measure triggered by an air quality concentration in the latest attainment or maintenance plan adopted by the state and approved by EPA.

All monitors listed in Table 3.2 passed these tests and the probability test results are listed in Table 3.3 below.

**Table 3.3 40 CFR Part 58.14(c) and Ambient Air Monitoring Network Assessment Guidance Calculations**

Site	Site Name	Pollutant	Averaging Period	Design Value					$\bar{X}$	s	t	n	NAAQS	80% of NAAQS	90% Confidence Interval	Pass
				2014	2015	2016	2017	2018								
12-001-0023	Millhopper	PM <sub>2.5</sub>	Annual	7	6.5	6.2	6.1	6.3	6.42	0.36	2.13	5	12	9.6	6.76	Yes
			24-hr	17	15	14	14	13	14.60	1.52	2.13	5	35	28	16.04	Yes

## B. Site Relocations

### ▪ *Miami-Dade County – Homestead Fire Station Site*

DEP is requesting approval to relocate the Homestead Fire Station Site (AQS Site #: 12-086-6001) in Miami-Dade County due to structural integrity issues with the building. The Homestead Fire Station staff have also vacated the property to a more structurally sound facility. The new site, Wittkop Park, will be located approximately 704 meters northwest of the original site on the Homestead Public Services property and will be assigned a new AQS Site identification number (AQS Site # 12-086-6002) due to the change in address. Site Review information is presented in Table 3.4 below and any other pertinent site information is provided in Appendix A.

**Table 3.4 Homestead Fire Station - AQS Site # 12-086-6001**

	<b>Homestead Fire Station Site</b>
<b>AQS Site #</b>	12-086-6001
<b>City (CBSA)</b>	Miami
<b>Site Name</b>	Homestead Fire Station Site
<b>Statement of Purpose</b>	Needed by Regulation
<b>Site Review Date</b>	11/20/2018
<b>County</b>	Miami-Dade
<b>Location Latitude</b>	25.471927 N
<b>Location Longitude</b>	-80.482804 W
<b>Address</b>	325 NW 2nd St, Homestead, FL 33030
<b>Objective</b>	Population Exposure (PM <sub>2.5</sub> )
<b>Pollutants Monitored</b>	PM <sub>2.5</sub>
<b>Sampling and Analysis Method</b>	PM <sub>2.5</sub> : Thermo 2025i, Gravimetric Analysis and Continuous PM <sub>2.5</sub> : TEOM 1400, Gravimetric Analysis
<b>Spatial Scale</b>	Neighborhood
<b>Operating Schedule</b>	PM <sub>2.5</sub> : 1-in-3-day and Continuous PM <sub>2.5</sub> : Continuous
<b>Network Type</b>	PM <sub>2.5</sub> : SLAMS, Continuous PM <sub>2.5</sub> : SPM
<b>Distance from Inlet to nearest:</b>	Tree Dripline = PM <sub>2.5</sub> : 47 meters, Continuous PM <sub>2.5</sub> : 42 meters Road = PM <sub>2.5</sub> : 31 meters, Continuous PM <sub>2.5</sub> : 31 meters Wall = NA
<b>Access</b>	Unlimited
<b>Owner of Land</b>	Homestead Public Works
<b>Inlet Height</b>	PM <sub>2.5</sub> : 7.14 meters, Continuous PM <sub>2.5</sub> : 8 meters
<b>Comments</b>	The estimated coordinates of the new shelter are: 25.478213 N and -80.483744 W. Site relocation expected by January 1, 2020.

▪ Brevard County – Melbourne Site

DEP is requesting approval to relocate the Melbourne Site (AQS Site #: 12-009-0007) in Brevard County due to continuing issues with meeting the electrical code requirements at the site. The shelter will be relocated on the same property, approximately 115.6 meters west of its current location and will remain representative of the same air mass. Site Review information is presented in Table 3.5 and any other pertinent site information is provided in Appendix A.

**Table 3.5 Melbourne - AQS Site # 12-009-0007**

	<b>Melbourne Site</b>
<b>AQS Site #</b>	12-009-0007
<b>City (CBSA)</b>	Melbourne
<b>Site Name</b>	Melbourne Site
<b>Statement of Purpose</b>	Needed by Regulation
<b>Site Review Date</b>	2/4/2019
<b>County</b>	Brevard
<b>Location Latitude</b>	28.053727 N
<b>Location Longitude</b>	-80.628500 W
<b>Address</b>	401 West Florida Ave, Melbourne, FL 32901
<b>Objective</b>	Highest Concentration (PM <sub>2.5</sub> ), Population Exposure (O <sub>3</sub> , PM <sub>10</sub> )
<b>Pollutants Monitored</b>	Ozone, PM <sub>2.5</sub> and PM <sub>10</sub>
<b>Sampling and Analysis Method</b>	Ozone: Thermo 49i, UV Photometry; PM <sub>2.5</sub> : Thermo 2025i, Gravimetric Analysis and PM <sub>10</sub> : TEOM 1405, Gravimetric Analysis
<b>Spatial Scale</b>	Neighborhood
<b>Operating Schedule</b>	PM <sub>2.5</sub> : 1-in-3-day and O <sub>3</sub> , PM <sub>10</sub> : Continuous
<b>Network Type</b>	SLAMS
<b>Distance from Inlet to nearest:</b>	Tree Dripline = O <sub>3</sub> : 44 meters, PM <sub>2.5</sub> : 50 meters, PM <sub>10</sub> : 40 meters Road = O <sub>3</sub> : 74 meters, PM <sub>2.5</sub> : 69 meters, PM <sub>10</sub> : 77 meters Wall = NA
<b>Access</b>	Unlimited
<b>Owner of Land</b>	State of Florida
<b>Inlet Height</b>	O <sub>3</sub> : 3.85 meters, PM <sub>2.5</sub> : 2.35 meters, PM <sub>10</sub> : 4.73 meters
<b>Comments</b>	The estimated coordinates of the new shelter are: 28.053681 N and -80.629656 W. Site relocation expected by July 1, 2019.

### 3.2 MONITOR MODIFICATIONS AND DISCONTINUATIONS

#### A. Monitor Closures, Additions and Modifications

Throughout the last 18 months, there have been few monitor changes, including additions, closures and relocations. A summary of these changes is noted in Table 3.6, below.

**Table 3.6 PQA Monitor Modifications and Discontinuations**

AQS Site #	Site Name	Monitor Type	Pollutant	Modification	Comments
12-001-3012	Paynes Prairie Farm	SPM	Continuous PM <sub>2.5</sub>	REPLACED BY FEM	TEOM monitor replaced by FEM-T640. SD 8/7/2018.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU 1/1/2019; FEM-T640
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU 1/1/2019; Collocated Monitor; FEM-T640
12-009-0007	Melbourne	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640X. SD Expected 6/30/2019.
		SPM	Continuous PM <sub>2.5</sub>	REPLACED BY FEM	TEOM monitor replaced by FEM-T640X. SD 2/14/2019.
		SLAMS	Continuous PM <sub>10</sub>	REPLACED BY ALTERNATE FEM	TEOM 1405 monitor replaced by alternate FEM-T640X. SD 2/14/2019.
		SLAMS	Continuous PM <sub>2.5</sub> and PM <sub>10</sub>	ADD	SU Expected 7/1/2019; FEM-T640X
12-011-0034	Daniela Banu (NCore Site)	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	Primary and Collocated FRM monitors replaced by FEM-T640X. SD Expected 9/30/2019.
		SLAMS	PM <sub>2.5</sub>	REPLACED BY ALTERNATE FEM	5014i monitor replaced by alternate FEM-T640X. SD Expected 9/30/2019.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU Expected 10/1/2019; FEM-T640X
12-011-2003	Pompano Highland Fire House	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640. SD Expected 6/30/2019.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU Expected 7/1/2019; FEM-T640
12-011-5005	Coconut Creek	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640. SD 4/1/2019.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU 1/1/2019; FEM-T640

AQS Site #	Site Name	Monitor Type	Pollutant	Modification	Comments
12-031-0098	Mandarin Road	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640X. SD Expected 9/30/2019.
		SPM	Continuous PM <sub>2.5</sub>	REPLACED BY FEM	TEOM monitor replaced by FEM-T640X. SD Expected 9/30/2019
		SLAMS	Continuous PM <sub>10</sub>	REPLACED BY ALTERNATE FEM	TEOM 1405 monitor replaced by alternate FEM-T640X. SD Expected 9/30/2019.
		SLAMS	Continuous PM <sub>2.5</sub> and PM <sub>10</sub>	ADD	SU Expected 10/1/2019; FEM-T640X
12-033-0004	Ellyson Industrial Park	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	Primary and Collocated FRM monitors replaced by FEM-T640. SD Expected 6/30/2019.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU 1/1/2019; FEM-T640.
12-086-6001	Homestead Fire Station	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640. SD Expected 12/31/2019.
		SPM	Continuous PM <sub>2.5</sub>	REPLACED BY FEM	TEOM monitor replaced by FEM-T640. SD Expected 12/31/2019.
		SLAMS	Continuous PM <sub>2.5</sub>	ADD	SU Expected 1/1/2020; FEM-T640.
12-099-2005	Delray Beach	SLAMS	PM <sub>2.5</sub>	REPLACED BY FEM	FRM monitor replaced by FEM-T640X. SD Expected 12/31/2019.
		SLAMS	Continuous PM <sub>10</sub>	REPLACED BY ALTERNATE FEM	TEOM 1405 monitor replaced by alternate FEM-T640X. SD Expected 12/31/2019.
		SLAMS	Continuous PM <sub>2.5</sub> and PM <sub>10</sub>	ADD	SU Expected 1/1/2020; FEM-T640X
12-115-1006	Paw Park	SPM	NO <sub>2</sub>	CLOSE	This is an SPM monitor that will be discontinued due to resource constraints. The 2016, 2017 and 2018 3-year design values were 15, 14 and 15 ppb, respectively. SD Expected 06/30/2019.

## 4.0 FLORIDA'S AMBIENT AIR MONITORING NETWORK 2019

The Ambient Air Monitoring Section in Florida is responsible for measuring levels of regulated pollutants in the ambient air by maintaining a network of 96 monitoring stations across the state and measuring the concentration of pollutants such as ozone, lead, particles (dust), nitrogen oxides, sulfur dioxide and carbon monoxide. These monitoring services are provided in accordance with EPA regulatory requirements. The criteria pollutant monitoring system is designed to make measurements to assess compliance with the national ambient air quality standards (NAAQS) as set by the EPA. The NAAQS define air pollutant concentration levels judged necessary to protect the public health and welfare. This section provides details of each pollutant network within Florida's ambient air monitoring network, if all requests in this plan are granted.

### 4.1 OZONE NETWORK

Florida's PQAO operates an extensive ozone network covering the state from large urban areas to smaller rural areas totaling 56 monitoring sites. This network enables the state of Florida to learn how ozone is transported to and within the state, to identify the parts of the state with peak ozone concentrations, and to determine where ozone concentrations do and do not exceed the NAAQS. Table 4.1 lists all ozone monitoring stations within the state and their 2016-2018 design values.

**Table 4.1 Florida's Ozone Network**

AQS Site #	Site Name	Pollutant	2016-2018 Design Values
12-001-3012	Paynes Prairie Farm	Ozone	61
12-003-0002	Osceola National Forest - Olustee Ranger Station	Ozone	61
12-005-0006	St. Andrews State Park	Ozone	60
12-009-0007	Melbourne	Ozone	58
12-009-4001	Cocoa Beach	Ozone	62
12-011-0033	Vista View Park	Ozone	Not Available - Data Completeness
12-011-0034	Daniela Banu (NCore Site)	Ozone	63
12-011-2003	Pompano Highland Fire House	Ozone	62
12-011-8002	Dr. Von Mizell-Eula Johnson State Park	Ozone	63
12-021-0004	Laurel Oak Elementary	Ozone	60
12-023-0002	Lake City - Veterans Domicile	Ozone	62
12-031-0077	Sheffield Elementary	Ozone	58
12-031-0100	Mayo Clinic	Ozone	60
12-031-0106	Cisco Drive	Ozone	61
12-033-0004	Ellyson Industrial Park	Ozone	65
12-033-0018	Pensacola NAS	Ozone	63
12-035-0004	Flagler	Ozone	59
12-055-0003	Archbold Biological Station	Ozone	61
12-057-0081	E.G. Simmons Park	Ozone	68
12-057-1035	Davis Island (Coast Guard Station)	Ozone	64
12-057-1065	USMC Reserve Center	Ozone	67
12-057-3002	Sydney (NCore Site)	Ozone	66
12-059-0004	Bonifay Tri-County Airport	Ozone	58
12-069-0002	Clermont	Ozone	65
12-071-2002	Rotary Park	Ozone	62
12-071-3002	Bay Oaks Park	Ozone	62
12-073-0012	Tallahassee Community College	Ozone	61
12-081-3002	Port Manatee	Ozone	63
12-081-4012	GT Bray Park	Ozone	64

<b>AQS Site #</b>	<b>Site Name</b>	<b>Pollutant</b>	<b>2016-2018 Design Values</b>
12-081-4013	39th Street Park	Ozone	62
12-083-0003	Ocala - YMCA	Ozone	62
12-083-0004	Marion County Sheriff	Ozone	60
12-085-0007	Stuart	Ozone	63
12-086-0027	Rosenstiel (University of Miami)	Ozone	64
12-086-0029	Perdue	Ozone	62
12-091-0002	Fort Walton Beach	Ozone	61
12-095-0008	Winegard Elementary School	Ozone	63
12-095-2002	Lake Isle Estates - Winter Park	Ozone	64
12-097-2002	Osceola Co. Fire Station - Four Corners	Ozone	66
12-099-0021	Lantana Preserve	Ozone	63
12-099-0022	Lamstein Lane	Ozone	Not Available - Site opened 1/2019
12-101-0005	San Antonio	Ozone	62
12-101-2001	Holiday	Ozone	63
12-103-0004	St. Petersburg College	Ozone	65
12-103-0018	Azalea Park	Ozone	61
12-103-5002	John Chesnut Sr. Park - East Lake	Ozone	61
12-105-6005	Sikes Elementary School	Ozone	67
12-105-6006	Baptist Children's Home	Ozone	66
12-111-0013	Savannas	Ozone	62
12-113-0015	Woodlawn Beach Middle School	Ozone	61
12-115-1005	Lido Park	Ozone	63
12-115-1006	Paw Park	Ozone	64
12-115-2002	Jackson Road	Ozone	61
12-117-1002	Seminole Community College	Ozone	64
12-127-5002	Daytona - Blind Services	Ozone	61
12-129-0001	St. Marks Wildlife Refuge (NCore Site)	Ozone	60



## 4.2 PM<sub>2.5</sub> NETWORK

- *The Federal Reference Method and Federal Equivalent Method Network*

Florida's PQAQO currently operates 6 federal reference method (FRM) and 21 federal equivalent method (FEM) monitors. There is an approved waiver for the FEM Met One BAM 1020 instruments operating in Palm Beach County to remain non-regulatory monitors since they do not meet the required FEM statistics in 40 CFR Part 53(C). The 20 other FEM monitors have been approved by the EPA and can be used to determine compliance with the NAAQS. This network is sufficient to protect the health and welfare of Florida's residents and environment. It also provides information on how fine particles are transported to and within the state, to identify the parts of the state with the highest concentrations of fine particles, and to determine where fine particle concentrations do and do not exceed the NAAQS. All of Florida's PM<sub>2.5</sub> monitoring sites, with valid design values for 2016-2018, are less than 80 percent of the annual standard (9.6 µg/m<sup>3</sup>) as detailed in Table 4.2.

**Table 4.2 Florida's PM<sub>2.5</sub> Network**

AQS Site #	Site Name	Pollutant	Method: FRM/FEM	Operating Schedule	2016-2018 Design Values	Comments
12-009-0007	Melbourne	PM <sub>2.5</sub>	FEM	Continuous	5.7	
12-011-0034	Daniela Banu (NCore Site)	PM <sub>2.5</sub>	FEM	Continuous	6.4	
12-011-0035	Fort Lauderdale Near Road	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Site opened in 2015	
12-011-2003	Pompano Highland Fire House	PM <sub>2.5</sub>	FEM	Continuous	6.6	
12-011-5005	Coconut Creek	PM <sub>2.5</sub>	FEM	Continuous	6.3	
12-031-0098	Mandarin Rd Site	PM <sub>2.5</sub>	FRM	Every 3rd Day	Not Available – Data Completeness	
12-031-0099	Sunny Acres	PM <sub>2.5</sub>	FRM	Every 3rd Day	Not Available – Data Completeness	Collocated monitor
			FRM	Every 12th Day		
12-031-0108	Pepsi Place (PP-PPL)	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Data Completeness	
12-033-0004	Ellyson Industrial Park	PM <sub>2.5</sub>	FRM	Every 3rd Day	7.4	Collocated monitor
			FRM	Every 12th Day		
12-057-0112	Munro Street	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Data Completeness	

AQS Site #	Site Name	Pollutant	Method: FRM/FEM	Operating Schedule	2016-2018 Design Values	Comments
12-057-3002	Sydney (NCore Site)	PM <sub>2.5</sub>	FEM	Continuous	7.9	Collocated monitor
			FRM	Every 3rd Day		
12-071-0005	Winkler Pump Station	PM <sub>2.5</sub>	FEM	Continuous	6.6	
12-073-0012	Tallahassee Communit y College	PM <sub>2.5</sub>	FRM	Every 3rd Day	7.3	Collocated monitor
			FRM	Every 12th Day		
12-086-0033	Palm Springs Fire Station	PM <sub>2.5</sub>	FRM	Every 3rd Day	6.9	
12-086-1016	Miami Fire Station	PM <sub>2.5</sub>	FEM	Continuous	8	Collocated monitor
			FRM	Every 12th Day		
12-086-6001	Homestead Fire Station	PM <sub>2.5</sub>	FRM	Every 3rd Day	7	
12-095-0009	I-4 Near Road	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Site has a temporary monitoring waiver	
12-095-2002	Lake Isle Estates - Winter Park	PM <sub>2.5</sub>	FEM	Continuous	7.2	
12-099-0008	Belle Glade	PM <sub>2.5</sub>	FEM	Continuous	Non- regulatory Monitor	
12-099-0022	Lamstein Lane	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Site opened 1/2019	Collocated monitor
			FEM	Continuous		
12-099-2005	Delray Beach	PM <sub>2.5</sub>	FEM	Continuous	6.4	
12-103-0004	St. Petersburg College	PM <sub>2.5</sub>	FEM	Continuous	Not Available – Monitor opened 3/2019	
12-103-0018	Azalea Park	PM <sub>2.5</sub>	FEM	Continuous	7.3	
12-105-6006	Baptist Children's Home	PM <sub>2.5</sub>	FEM	Continuous	6.9	
12-115-0013	Bee Ridge Park	PM <sub>2.5</sub>	FEM	Continuous	6.7	
12-117-1002	Sanford	PM <sub>2.5</sub>	FEM	Continuous	6.2	Collocated monitor
			FRM	Every 12th Day		

<b>AQS Site #</b>	<b>Site Name</b>	<b>Pollutant</b>	<b>Method: FRM/FEM</b>	<b>Operating Schedule</b>	<b>2016-2018 Design Values</b>	<b>Comments</b>
12-127-5002	Daytona - Blind Services	PM <sub>2.5</sub>	FEM	Continuous	6.6	

### 4.3 NCORE NETWORK

The National Core (NCore) monitoring network is designed to be approximately 80 sites nationwide, with the intent to have a network made of largely population-oriented sites and some rural sites that take advantage of multi-pollutant monitoring. Details of the NCore network are provided on EPA’s website at [www3.epa.gov/ttn/amtic/ncore.html](http://www3.epa.gov/ttn/amtic/ncore.html). Table 4.3 provides information on Florida’s NCore sites.

**Table 4.3 NCore Sites in Florida**

AQS Site #	Site Name	Parameter
12-129-0001	St. Marks National Wildlife Refuge	O <sub>3</sub> , NO <sub>y</sub> , CO, SO <sub>2</sub> _TL, Continuous PM <sub>2.5</sub>
12-011-0034	Daniela Banu	O <sub>3</sub> , NO <sub>y</sub> _TL, NO <sub>z</sub> _TL, NO_TL, CO_TL, SO <sub>2</sub> _TL, Continuous PM <sub>2.5</sub> , PM <sub>10-2.5</sub> , Low Volume PM <sub>10</sub> , PM <sub>10</sub> and PM <sub>2.5</sub>
12-057-3002	Sydney	O <sub>3</sub> , NO <sub>y</sub> _TL, NO <sub>z</sub> _TL, NO_TL, CO_TL, SO <sub>2</sub> _TL, Continuous PM <sub>2.5</sub> , PM <sub>10-2.5</sub> , Low Volume PM <sub>10</sub> , PM <sub>10</sub> and PM <sub>2.5</sub>

EPA only requires two NCore monitoring sites for the State of Florida, but the PQA0 currently operates three sites. EPA requested that DEP operate a rural NCore site at the St. Marks National Wildlife Refuge to enhance the coverage for the southeastern United States. The St. Marks National Wildlife Refuge site (AQS Site #12-129-0001) takes advantage of the existing Interagency Monitoring of Protected Visual Environments (IMPROVE) and DEP monitoring for particulate matter and ozone, respectively.

Building on the Speciation Trends Network (STN), the two required NCore sites are located in the largest Core Based Statistical Areas in the state - the Miami-Fort Lauderdale-West Palm Beach area (more than 6 million) and Tampa-St. Petersburg-Clearwater area (more than 3 million). The site in the Miami-Fort Lauderdale-West Palm Beach area was relocated due to the construction plans for a source that would influence the site. The replacement site for the Miami-Fort Lauderdale-West Palm Beach area is AQS Site #12-011-0034 in Davie, which is operated by Broward County. The site began operation in August 2015 and the meteorological instruments will be operational by summer of 2020.

In the Tampa-St. Petersburg-Clearwater area, the NCore site is Sydney (AQS Site #12-057-3002), which is operated by Hillsborough County. This site was used as part of a large and intense nitrogen deposition study called the Bay Regional Atmospheric Chemistry Experiment (BRACE). It has also been monitoring trace SO<sub>2</sub>, CO and total reactive nitrogen (NO<sub>y</sub>) since 2004. Since the primary use of the NCore sites is to obtain air quality trends analyses, Sydney’s location in a more rural part of the county is ideal for tracking trends that reflect the increasing population.

#### 4.4 PAMS NETWORK

The NCore sites in Metropolitan Statistical Areas with populations over one million will be required to incorporate the Photochemical Assessment Monitoring Station (PAMS) program in accordance with 40 CFR part 58, Appendix D, section 5(a). The PAMS measurements include:

1. Hourly averaged speciated volatile organic compounds (VOCs);
2. Three eight-hour averaged carbonyl samples per day on a 1 in 3-day schedule, or hourly averaged formaldehyde;
3. Hourly averaged O<sub>3</sub>;
4. Hourly averaged nitrogen oxide (NO), true nitrogen dioxide (NO<sub>2</sub>), and total reactive nitrogen (NO<sub>y</sub>);
5. Hourly averaged ambient temperature;
6. Hourly vector-averaged wind direction;
7. Hourly vector-averaged wind speed;
8. Hourly average atmospheric pressure;
9. Hourly averaged relative humidity;
10. Hourly precipitation;
11. Hourly averaged mixing-height;
12. Hourly averaged solar radiation; and
13. Hourly averaged ultraviolet radiation.

EPA is working on a proposed rule that will provide state and local agencies an additional two years from the current implementation date of June 1, 2019 to implement the PAMS program requirements. This extension is needed to provide all agencies the funding and equipment necessary to implement the program. The Daniela Banu (AQS Site #12-011-0034) and Sydney (AQS Site #12-057-3002) NCore sites located in Broward and Hillsborough counties, respectively, will be required to implement PAMS monitoring. The Broward and Hillsborough counties have created a separate Primary Quality Assurance Organization (PQAO) for the PAMS network, hereafter known as the Florida PAMS PQAO. The Florida PAMS PQAO will continue preparing to implement the program as funding and personnel resources allow with the goal of full implementation on or before June 1, 2021. The PAMS Implementation Network Plan for each county is provided below.

▪ PAMS Monitoring Implementation Network Plan – Broward County

**PAMS Monitoring Implementation Network Plan**

**Monitoring Organizations Required To Operate At NCore Sites**

**Environmental Protection and Growth Management Department, Environmental Engineering and Permitting Division, Air Monitoring and Outreach Section, Broward County, Florida**

The recently revised monitoring rule (80 FR 65292; October 26, 2015) requires PAMS measurements June 1 through August 31 at NCore sites that are located in Core-Based Statistical Areas (CBSAs) with populations of 1,000,000 or more. Therefore, Broward County's Air Monitoring and Outreach Section proposes to implement PAMS monitoring in the FY2019 network plan.

**Network Decision**

- The NCore site located at the Banu air monitoring station (12-011-0034) will serve as the location of the required PAMS site and will measure the following parameters described below. An Inventory of equipment used at the site is provided in Table 2.
  
- We request a waiver from implementing PAMS at an otherwise required NCore site entirely, or to make PAMS measurements at alternative locations such as existing PAMS sites or existing NATTS sites. Rationale for this waiver is provided in Waiver attachment

**Auto GC Decision**

**Volatile organic compounds (VOCs)** – A complete list of the targeted compounds are found in Table 1.

- We will measure hourly speciated VOC measurements with an auto-gas chromatograph (GC) using CAS AutoGC.
  
- We request a waiver to allow three 8-hour samples every third day as an alternative to daily hourly speciated VOC measurements at locations (*insert locations*). Rationale for this waiver is provided in Waiver Attachment

**Meteorology Measurements Decision** – Note: EPA is suggesting the use of ceilometers for determining mixing height, however other types of meteorological equipment that provide for an indication of mixing height can be proposed

- Will measure wind direction, wind speed, temperature, humidity, atmospheric pressure, precipitation, solar radiation, ultraviolet radiation, and mixing height. We have elected to use the following instrumentation to measure the parameters described above (*See Table 2*).
  
- We request a waiver to allow meteorological measurements to be obtained from other nearby sites. Rationale for this waiver is provided in Waiver attachment

**Other Required Measurements**

- **Carbonyls** - Carbonyl sampling at a frequency of three 8-hour samples on a one-in-three day basis (~90 samples per PAMS sampling season) using an ATECH 8000. A complete list of the target

carbonyl compounds may be found in Table 1. The TO-11A test method, as used in the National Air Toxics Trends (NATTS) program<sup>1</sup> will be used.

- **Nitrogen Oxides** – Will monitor for NO and NO<sub>y</sub> (total oxides of nitrogen) in addition to true NO<sub>2</sub>. The true NO<sub>2</sub> is required to be measured with a direct reading NO<sub>2</sub> analyzer, cavity attenuated phase shift (CAPS) spectroscopy or photolytic-converter NO<sub>x</sub> analyzer. We have elected to use the Teledyne-API T500 CAPS Analyzer for the true NO<sub>2</sub> measurement. NO and NO<sub>y</sub> will be measured using a Thermo Environmental Instruments Model 42i-Y analyzer.

**Table 1 PAMS Target Compound List**

Priority Compounds			Optional Compounds				
1	1,2,3-trimethylbenzene <sup>a</sup>	19	n-hexane <sup>b</sup>	1	1,3,5-trimethylbenzene	19	m-diethylbenzene
2	1,2,4-trimethylbenzene <sup>a</sup>	20	n-pentane	2	1-pentene	20	methylcyclohexane
3	1-butene	21	o-ethyltoluene <sup>a</sup>	3	2,2-dimethylbutane	21	methylcyclopentane
4	2,2,4-trimethylpentane <sup>b</sup>	22	o-xylene <sup>a,b</sup>	4	2,3,4-trimethylpentane	22	n-decane
5	acetaldehyde <sup>b,c</sup>	23	p-ethyltoluene <sup>a</sup>	5	2,3-dimethylbutane	23	n-heptane
6	acetone <sup>c,d</sup>	24	Propane	6	2,3-dimethylpentane	24	n-nonane
7	benzene <sup>a,b</sup>	25	propylene	7	2,4-dimethylpentane	25	n-octane
8	c-2-butene	26	styrene <sup>a,b</sup>	8	2-methylheptane	26	n-propylbenzene <sup>a</sup>
9	ethane <sup>d</sup>	27	toluene <sup>a,b</sup>	9	2-methylhexane	27	n-undecane
10	ethylbenzene <sup>a,b</sup>	28	t-2-butene	10	2-methylpentane	28	p-diethylbenzene
11	Ethylene			11	3-methylheptane	29	t-2-pentene
12	formaldehyde <sup>b,c</sup>			12	3-methylhexane	30	α/β-pinene
13	Isobutane			13	3-methylpentane	31	1,3 butadiene <sup>b</sup>
14	Isopentane			14	Acetylene	32	benzaldehyde <sup>c</sup>
15	Isoprene			15	c-2-pentene	33	carbon tetrachloride <sup>b</sup>
16	m&p-xylenes <sup>a,b</sup>			16	cyclohexane	34	Ethanol
17	m-ethyltoluene <sup>a</sup>			17	cyclopentane	35	Tetrachloroethylene <sup>b</sup>
18	n-butane			18	isopropylbenzene <sup>b</sup>		

Source: Revisions to the Photochemical Assessment Monitoring Stations Compound Target List. U.S. EPA, November 20, 2013

<sup>a</sup> Important SOAP (Secondary Organic Aerosols Precursor) Compounds

<sup>b</sup> HAP (Hazardous Air Pollutant) Compounds

<sup>c</sup> Carbonyl compounds

<sup>d</sup> Non-reactive compounds, not considered to be VOC for regulatory purposes

<sup>1</sup> See NATTS Technical Assistance Document for TO-11A method.

**Table 2: Banu Station Equipment Inventory**

<b>Instrument</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Status</b>
Trace-level CO Analyzer	TEI	48C-TLE	Active
Trace-level SO <sub>2</sub> Analyzer	TEI	43i-TLE	Active
Ozone Analyzer	TEI	49i	Active
Trace-level NO/NO <sub>y</sub> Analyzer	TEI	42i-TLE	Active
24-hour VOC Canister Sampling	Entech	SUMMA	Active
24-hour VOC Canister Sampling	ATEC	2200-22	Pending
PM <sub>2.5</sub> Speciation	MetOne	SASS	Active
Organic Carbon/Elemental Carbon	URG	3000N	Active
Low-Volume PM <sub>2.5</sub> Mass	TEI	2025i	Active
Low-Volume PM <sub>2.5-10</sub> Mass	TEI	2025i	Active
Low-Volume PM <sub>10</sub> Mass	TEI	2025i	Active
Continuous PM <sub>2.5</sub> Mass	TEI	5014i	Active
Ultrasonic Anemometer	R.M. Young	81000	Active
Data Acquisition System	Agilaire	8832	Active
Data Acquisition System	Agilaire	8872	Pending
AutoGC System	CAS	-	Pending
3-hour Carbonyl Sampler	ATECH	8000	Pending
True NO <sub>2</sub> Analyzer	T-API	T500	Pending
Mixing Height Monitor	TBD	-	Pending
UV/Solar Radiation Monitor	TBD	-	Pending
Precipitation Gauge	TBD	-	Pending
Atmospheric Pressure Gauge	TBD	-	Pending

\*TBD = to be determined



▪ PAMS Monitoring Implementation Network Plan – Hillsborough County

**PAMS Monitoring Implementation Network Plan**

**Monitoring Organizations Required To Operate At NCore Sites**

**Environmental Protection Commission of Hillsborough County, Florida**

The recently revised monitoring rule (80 FR 65292; October 26, 2015) requires PAMS measurements June 1 through August 31 at NCore sites that are located in Core-Based Statistical Areas (CBSAs) with populations of 1,000,000 or more. Therefore, the Environmental Protection Commission of Hillsborough County, Florida (EPC/HC) proposes to implement PAMS monitoring in the FY2017 network plan.

**Network Decision**

- The NCore site located at the Sydney air monitoring station (12-057-3002) will serve as the location of the required PAMS site and will measure the following parameters described below. An Inventory of equipment used at the site is provided in Table 2.
- We request a waiver from implementing PAMS at an otherwise required NCore site entirely, or to make PAMS measurements at alternative locations such as existing PAMS sites or existing NATTS sites. Rationale for this waiver is provided in Waiver attachment

**Auto GC Decision**

**Volatile organic compounds (VOCs)** – A complete list of the targeted compounds are found in Table 1.

- We will measure hourly speciated VOC measurements with an auto-gas chromatograph (GC) using Markes-Agilent AutoGC.
- We request a waiver to allow three 8-hour samples every third day as an alternative to daily hourly speciated VOC measurements at locations (*insert locations*). Rationale for this waiver is provided in Waiver Attachment

**Meteorology Measurements Decision** – Note: EPA is suggesting the use of ceilometers for determining mixing height, however other types of meteorological equipment that provide for an indication of mixing height can be proposed

- Will measure wind direction, wind speed, temperature, humidity, atmospheric pressure, precipitation, solar radiation, ultraviolet radiation, and mixing height. We have elected to use the following instrumentation to measure the parameters described above (*See Table 2*).
- We request a waiver to allow meteorological measurements to be obtained from other nearby sites. Rationale for this waiver is provided in Waiver attachment

**Other Required Measurements**

- **Carbonyls** - Carbonyl sampling at a frequency of three 8-hour samples on a one-in-three day basis (~90 samples per PAMS sampling season) using an ATECH 8000. A complete list of the target

carbonyl compounds may be found in Table 1. The TO-11A test method, as used in the National Air Toxics Trends (NATTS) program<sup>1</sup> will be used.

- **Nitrogen Oxides** – Will monitor for NO and NO<sub>y</sub> (total oxides of nitrogen) in addition to true NO<sub>2</sub>. The true NO<sub>2</sub> is required to be measured with a direct reading NO<sub>2</sub> analyzer, cavity attenuated phase shift (CAPS) spectroscopy or photolytic-converter NO<sub>x</sub> analyzer. We have elected to use the Teledyne-API T500 CAPS Analyzer for the true NO<sub>2</sub> measurement. NO and NO<sub>y</sub> will be measured using a Thermo Environmental Instruments Model 42i-Y analyzer.

**Table 1 PAMS Target Compound List**

Priority Compounds				Optional Compounds			
1	1,2,3-trimethylbenzene <sup>a</sup>	19	n-hexane <sup>b</sup>	1	1,3,5-trimethylbenzene	19	m-diethylbenzene
2	1,2,4-trimethylbenzene <sup>a</sup>	20	n-pentane	2	1-pentene	20	methylcyclohexane
3	1-butene	21	o-ethyltoluene <sup>a</sup>	3	2,2-dimethylbutane	21	methylcyclopentane
4	2,2,4-trimethylpentane <sup>b</sup>	22	o-xylene <sup>a,b</sup>	4	2,3,4-trimethylpentane	22	n-decane
5	acetaldehyde <sup>b,c</sup>	23	p-ethyltoluene <sup>a</sup>	5	2,3-dimethylbutane	23	n-heptane
6	acetone <sup>c,d</sup>	24	Propane	6	2,3-dimethylpentane	24	n-nonane
7	benzene <sup>a,b</sup>	25	propylene	7	2,4-dimethylpentane	25	n-octane
8	c-2-butene	26	styrene <sup>a,b</sup>	8	2-methylheptane	26	n-propylbenzene <sup>a</sup>
9	ethane <sup>d</sup>	27	toluene <sup>a,b</sup>	9	2-methylhexane	27	n-undecane
10	ethylbenzene <sup>a,b</sup>	28	t-2-butene	10	2-methylpentane	28	p-diethylbenzene
11	Ethylene			11	3-methylheptane	29	t-2-pentene
12	formaldehyde <sup>b,c</sup>			12	3-methylhexane	30	α/β-pinene
13	Isobutane			13	3-methylpentane	31	1,3 butadiene <sup>b</sup>
14	Isopentane			14	Acetylene	32	benzaldehyde <sup>c</sup>
15	Isoprene			15	c-2-pentene	33	carbon tetrachloride <sup>b</sup>
16	m&p-xylenes <sup>a,b</sup>			16	cyclohexane	34	Ethanol
17	m-ethyltoluene <sup>a</sup>			17	cyclopentane	35	Tetrachloroethylene <sup>b</sup>
18	n-butane			18	isopropylbenzene <sup>b</sup>		

Source: Revisions to the Photochemical Assessment Monitoring Stations Compound Target List. U.S. EPA, November 20, 2013

<sup>a</sup> Important SOAP (Secondary Organic Aerosols Precursor) Compounds

<sup>b</sup> HAP (Hazardous Air Pollutant) Compounds

<sup>c</sup> Carbonyl compounds

<sup>d</sup> Non-reactive compounds, not considered to be VOC for regulatory purposes

<sup>1</sup> See NATTS Technical Assistance Document for TO-11A method.

**Table 2: Sydney Station Equipment Inventory**

<b>Instrument</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Status</b>
Trace-level CO Analyzer	TEI	48i-TLE	Active
Trace-level SO <sub>2</sub> Analyzer	TEI	43i-TLE	Active
Ozone Analyzer	TEI	49i	Active
Trace-level NO/NO <sub>y</sub> Analyzer	TEI	42i-TLE	Active
24-hour VOC Canister Sampling	Resteck	SUMA	Active
24-hour Carbonyl Sampling	ERG	C Sampling	Active
SVOC/PUF Sampler	General Metals	Hi-VOL	Active
PM <sub>10</sub> Metals	General Metals	Hi-VOL	Active
PM <sub>2.5</sub> Speciation	MetOne	SASS	Active
Organic Carbon/Elemental Carbon	URG	3000N	Active
Low-Volume PM <sub>2.5</sub> Mass	TEI	2025i	Active
Low-Volume PM <sub>2.5-10</sub> Mass	TEI	2025i	Active
Low-Volume PM <sub>10</sub> Mass	TEI	2025i	Active
Continuous PM <sub>2.5</sub> Mass	TEI	5014i	Active
Ultrasonic Anemometer	R.M. Young	81000	Active
Data Acquisition System	Agilaire	8872	Pending
AutoGC System	Markes-Agilent	-	Pending
3-hour Carbonyl Sampler	ATECH	8000	Pending
True NO <sub>2</sub> Analyzer	T-API	T500	Pending
Mixing Height Monitor	TBD	-	Pending
UV/Solar Radiation Monitor	TBD	-	Pending
Precipitation Gauge	TBD	-	Pending
Atmospheric Pressure Gauge	TBD	-	Pending

\*TBD = to be determined

## 4.5 NATTS NETWORK

The National Air Toxics Trends Station (NATTS) Network was developed to fulfill the need for long-term Hazardous Air Pollutants (HAPs) monitoring data of consistent quality. Among the principle objectives are assessing trends and emission reduction program effectiveness, as well as assessing and verifying air quality models. The current NATTS network configuration includes 27 sites (20 urban, 7 rural) across the United States. There are typically more than 100 pollutants monitored at each NATTS, although only 19 are required. These include VOCs, carbonyls, PM<sub>10</sub> metals, hexavalent chromium and Polycyclic Aromatic Hydrocarbons (PAHs). Table 4.4 lists the NATTS sites in Hillsborough and Pinellas counties. These counties jointly administer funds for the NATTS program. The two NATTS sites in Florida are in the Tampa Bay area: one in Hillsborough County (Sydney: AQS Site #12-057-3002) and the other in Pinellas County (Skyview: AQS Site #12-103-0026).

**Table 4.4 NATTS Sites in Florida**

<b>AQS Site #</b>	<b>Site Name</b>	<b>County</b>	<b>Pollutants</b>
12-103-0026	Skyview	Pinellas	VOCs, Carbonyls, PAHs and Metals
12-057-3002	Sydney (NCore Site)	Hillsborough	VOCs, Carbonyls, PAHs and Metals

## 4.6 SO<sub>2</sub> MONITORING NETWORK

Florida's air monitoring network complies with current SO<sub>2</sub> monitoring requirements. Ambient monitoring is required for Core Based Statistical Areas (CBSAs) whose Population Weighted Emission Index (PWEI) is above 5,000. One SO<sub>2</sub> monitor is required for CBSAs when the PWEI is above 5,000 and two monitors are required when the PWEI is above 100,000, with a unit of million persons-tons per year. Additionally, one SO<sub>2</sub> monitor is required at each of the NCore sites. A summary of these requirements is provided in Table 4.5. The PWEI values listed were provided by EPA.

**Table 4.5 SO<sub>2</sub> Monitoring Requirements**

Core Based Statistical Areas	Counties	2018 Census Population	PWEI 2014 NEI	SO <sub>2</sub> Monitors Needed	SO <sub>2</sub> Monitors Operating
Miami-Fort Lauderdale-West Palm Beach	Broward, Miami-Dade and Palm Beach Counties	6,198,782	58,582.11	1	2
Tampa-St. Petersburg-Clearwater	Hillsborough, Pinellas, Pasco and Hernando Counties	3,142,663	55,852.56	1	5
Orlando-Kissimmee-Sanford	Lake, Orange, Osceola and Seminole Counties	2,572,962	13,475.74	1	1
Jacksonville	Baker, Clay, Duval, Nassau and St. Johns Counties	1,534,701	44,988.29	1	3
North Port-Bradenton-Sarasota	Manatee and Sarasota Counties	821,573	1,013.74		1
Cape Coral-Fort Myers	Lee County	754,610	456.38		
Lakeland	Polk County	708,009	12,353.82	1	1
Deltona-Daytona Beach-Ormond Beach	Flagler and Volusia Counties	659,605	517.12		
Palm Bay-Melbourne-Titusville	Brevard County	596,849	779.94		
Pensacola-Ferry Pass-Brent	Escambia and Santa Rosa Counties	494,883	2,446.01		1
Port St. Lucie-Fort Pierce	Martin and St Lucie Counties	482,040	1,132.50		
Homosassa Springs	Citrus County	147,929	4,845.24		1
Palatka	Putnam County	74,163	1,023.04		1
Hamilton County	Hamilton County	14,310	36.34		1
NCore sites (3)	N/A	N/A	N/A	3	3
<b>Total</b>				<b>8</b>	<b>20</b>

**Table 4.6 Florida's SO<sub>2</sub> Network**

<b>AQS Site #</b>	<b>Site Name</b>	<b>Pollutant</b>	<b>Monitoring Purpose</b>
12-011-0034	Daniela Banu (NCore Site)	SO <sub>2</sub>	Population
12-011-8002	Dr. Von Mizell-Eula Johnson State Park	SO <sub>2</sub>	Population
12-086-0019	Pennsuco	SO <sub>2</sub>	Population
12-057-0112	Apollo Beach	SO <sub>2</sub>	Source
12-057-0109	East Bay	SO <sub>2</sub>	Source
12-057-1035	Davis Island (Coast Guard Station)	SO <sub>2</sub>	Population
12-057-3002	Sydney (NCore Site)	SO <sub>2</sub>	Population
12-103-0023	Derby Lane	SO <sub>2</sub>	Population
12-103-5003	Oakwood	SO <sub>2</sub>	Source
12-031-0032	Kooker Park	SO <sub>2</sub>	Data Trends
12-031-0081	Cedar Bay STP	SO <sub>2</sub>	Source
12-089-0005	Fernandina Beach Waste Water Treatment Plant	SO <sub>2</sub>	Regulatory
12-081-0028	Port Manatee DEP	SO <sub>2</sub>	Source
12-095-2002	Lake Isle Estates - Winter Park	SO <sub>2</sub>	Regulatory
12-105-6005	Sikes Elementary School	SO <sub>2</sub>	Regulatory
12-033-0004	Ellyson Industrial Park	SO <sub>2</sub>	Population
12-129-0001	St. Marks Wildlife Refuge (NCore Site)	SO <sub>2</sub>	Background
12-107-1008	Palatka Barge Port	SO <sub>2</sub>	Source
12-017-0006	Crystal River Preserve	SO <sub>2</sub>	Source
12-047-0015	White Springs	SO <sub>2</sub>	Source

## 4.7 NO<sub>2</sub> MONITORING NETWORK

There are two phases for the implementation of NO<sub>2</sub> Near-road monitoring:

- Phase I: CBSAs with a population over 1 million are required to have at least one NO<sub>2</sub> near-road monitor
- Phase II: CBSAs with a population over 2.5 million or more are required to operate two NO<sub>2</sub> near-road monitors.

Phase I and II NO<sub>2</sub> Near-road monitoring also require community-wide monitoring for areas with a population over 1 million and NO<sub>2</sub> monitoring of vulnerable and susceptible populations.

In Florida, the NO<sub>2</sub> near-road monitoring areas are Tampa, Fort Lauderdale, Jacksonville and Orlando. All Phase I NO<sub>2</sub> near-road sites within these areas have been established. However, the Phase I near-road NO<sub>2</sub> site (I-4 Near Road: AQS Site #: 12-095-0009) in Orange County received a temporary monitoring waiver from EPA Region 4 in July 2017, due to ongoing I-4 construction which resulted in environmental conditions not representative of the ambient air.

The 2018 census estimates indicated that the population for the Orlando-Kissimmee CBSA is now above 2.5 million and as a result will require a second NO<sub>2</sub> near-road site. Florida DEP, Orange County and EPA Region 4 are working collaboratively on the implementation of this site. The goal is to have the site location selected by July 1, 2020 and the site operational within one year thereafter.

All other Phase II NO<sub>2</sub> near-road sites located in the Tampa-Saint Petersburg-Clearwater (Sawgrass Lake Park: AQS Site #12-103-0027) and Miami-Fort Lauderdale-West Palm Beach (Perimeter Road: AQS Site #12-086-0035) CBSAs are currently established and operational.

A summary of the NO<sub>2</sub> monitoring requirements is provided in Table 4.7 and the designated community-wide and vulnerable and susceptible monitors for the state are provided in Table 4.8.

**Table 4.7 NO<sub>2</sub> Monitoring Required by 2010 NAAQS**

<b>CBSAs with Population over 1,000,000</b>	<b>2018 Census Population</b>	<b>AADT ≥250,000</b>	<b>Required Near-road Monitors</b>	<b>Required Community-wide Monitor</b>	<b>Vulnerable and Susceptible</b>	<b>Total</b>
Miami-Fort Lauderdale-West Palm Beach	6,198,782	✓	2 <sup>1</sup>	1	1	4
Tampa-St. Petersburg-Clearwater	3,142,663	N/A	2 <sup>1</sup>	1	N/A	3
Orlando-Kissimmee	2,572,962	N/A	2 <sup>1</sup>	1	N/A	3
Jacksonville	1,534,701	N/A	1	1	N/A	2
<b>Total</b>						<b>12</b>

<sup>1</sup> Population greater than 2.5 million requires two near-road sites.

▪ *Community-wide NO<sub>2</sub> Monitoring*

Community-wide NO<sub>2</sub> monitoring sites are required in each CBSA with a population of 1 million or more. In Florida, there are four CBSAs that meet this criterion: Miami-Fort Lauderdale-West Palm Beach, Tampa-St. Petersburg-Clearwater, Orlando-Kissimmee and Jacksonville. The NO<sub>2</sub> monitors that have been designated as community-wide monitors are listed in Table 4.8 below.

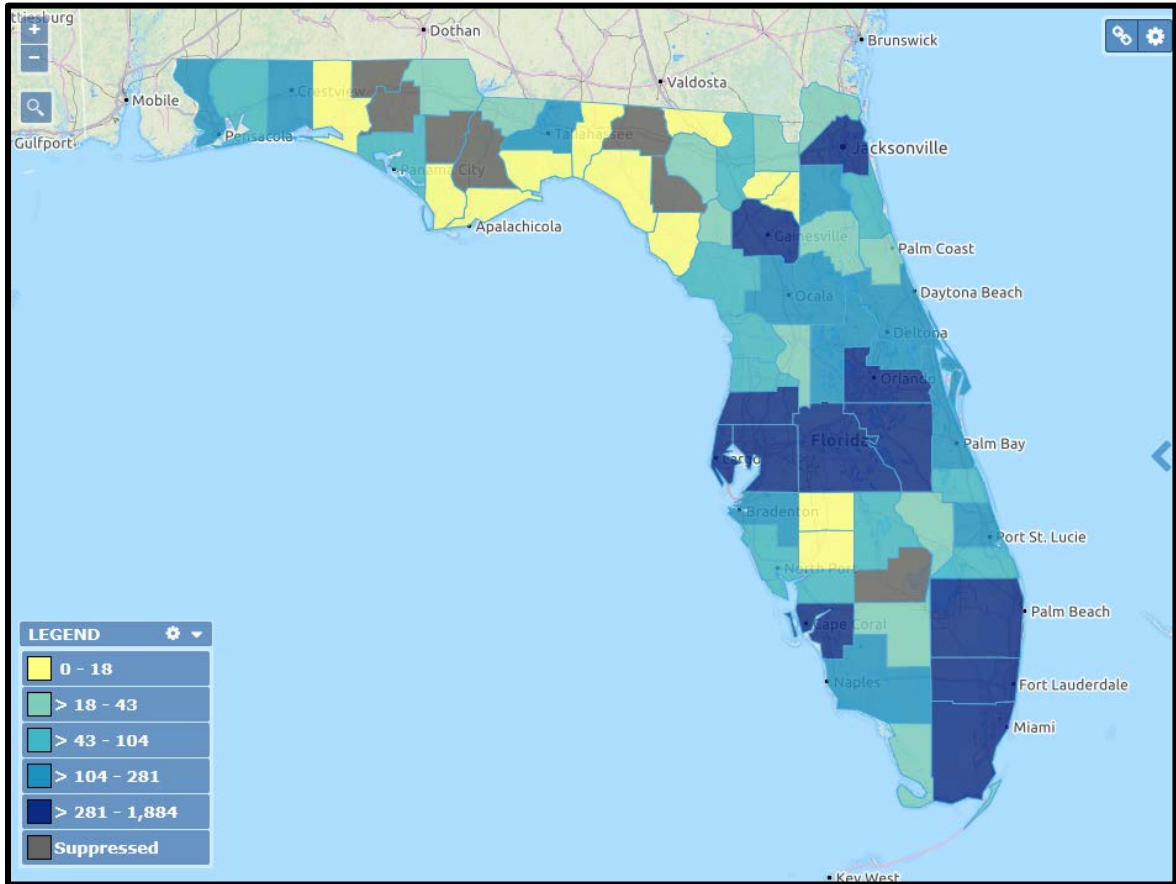
▪ *Vulnerable and Susceptible Monitoring*

The 2010 NO<sub>2</sub> NAAQS revision included monitoring requirements for vulnerable and susceptible populations. Vulnerable populations are those exposed to higher concentrations of NO<sub>2</sub>, such as individuals living and working near high traffic volume highways, and this exposure will be monitored with the near-road network. Susceptible populations are those affected by lower levels of NO<sub>2</sub> or that experience a larger health impact than the general population to a given level of exposure. Per EPA’s Integrated Science Assessment for Oxides of Nitrogen-Health Criteria, factors that can confer susceptibility include pre-existing diseases (e.g., asthma).

Florida participates in the National Environmental Public Health Tracking Network supported by the U.S. Centers for Disease Control. This program examines health and environmental data to help federal, state and local agencies plan, apply and develop environmental public health actions. Higher crude rate of asthma hospitalizations has been used as an indicator of vulnerable and susceptible communities in Florida. Miami-Dade County’s NO<sub>2</sub> site, located at the University of Miami, Rosenstiel (AQS Site #12-086-0027), has been designated as a vulnerable and susceptible monitoring site for NO<sub>2</sub>. Figure 4.1 provides the most recent year of Florida’s crude rate of asthma hospitalization by county for which data are available. The full list of the NO<sub>2</sub> monitors identified by the Regional Administrators can be found on EPA’s website at <https://www3.epa.gov/ttnamti1/svpop.html>.



**Figure 4.1 2017 Florida Crude Rate of Asthma Hospitalization**



**Table 4.8 Florida’s NO<sub>2</sub> Near-road Network and Monitor Designations**

<b>CBSAs with Population over 500,000</b>	<b>AQS Site #</b>	<b>Site Name</b>	<b>Designation</b>
Miami-Fort Lauderdale-West Palm Beach	12-011-0035	Fort Lauderdale Near-road	NO <sub>2</sub> Near-road
	12-011-8002	Dr. Von Mizell-Eula Johnson State Park	NO <sub>2</sub> Community-wide Monitor
	12-086-0027	Rosenstiel (University of Miami)	NO <sub>2</sub> Vulnerable and Susceptible monitor
	12-086-0035	Perimeter Road Near-road	NO <sub>2</sub> Near-road
	12-086-4002	Lab Annex	NO <sub>2</sub> Network
Tampa-St. Petersburg-Clearwater	12-057-0113	Munro Street Near-road	NO <sub>2</sub> Near-road
	12-103-0018	Azalea Park	NO <sub>2</sub> Community-wide Monitor
	12-103-0027	Sawgrass Lake Park Near-road	NO <sub>2</sub> Near-road
Orlando-Kissimmee	12-095-0009	I-4 Near-road <sup>1</sup>	NO <sub>2</sub> Near-road
	12-095-2002	Lake Isle Estates – Winter Park	NO <sub>2</sub> Community-wide Monitor
Jacksonville	12-031-0032	Kooker Park	NO <sub>2</sub> Community-wide Monitor
	12-031-0108	Pepsi Place Near-road	NO <sub>2</sub> Near-road

<sup>1</sup> Orlando-Kissimmee near-road site has an approved temporary monitoring waiver as of 7/1/2017.

## 4.8 CO MONITORING NETWORK

Florida's carbon monoxide (CO) network covers large urban areas to smaller rural areas, totaling 9 monitoring sites. This network enables the state of Florida to monitor the consistent decrease in CO emissions within the state and to identify the parts of the state with peak CO concentrations. Table 4.9 lists all CO monitoring stations within the state and any exceedances for calendar years 2016 to 2018.

**Table 4.9 Florida's CO Network**

AQS Site #	Site Name	Pollutant	Exceedances for 2016-2018	Comments
12-011-0034	Daniela Banu (NCore Site)	CO	0	
12-011-0035	Fort Lauderdale Near Road	CO	0	Supports Near-road NO <sub>2</sub> Monitoring
12-086-4002	Lab Annex	CO	0	
12-057-0113	Munro Street	CO	0	Supports Near-road NO <sub>2</sub> Monitoring
12-057-3002	Sydney (NCore Site)	CO	0	
12-103-0027	Sawgrass Lake Park	CO	0	Supports Near-road NO <sub>2</sub> Monitoring
12-031-0108	Pepsi Place	CO	0	Supports Near-road NO <sub>2</sub> Monitoring
12-095-2002	Lake Isle Estates - Winter Park	CO	0	
12-129-0001	St. Marks Wildlife Refuge (NCore Site)	CO	0	

## 4.9 PM<sub>10</sub> MONITORING NETWORK

- *The Federal Reference Method and Federal Equivalent Method Network*

Florida's PQA currently operates 20 federal equivalent method (FEM) monitors. This network is sufficient to protect the health and welfare of Florida's residents and environment. It also provides information on how PM<sub>10</sub> particles are transported to and within the state, to identify the parts of the state with the highest concentrations, and to determine where PM<sub>10</sub> concentrations do and do not exceed the NAAQS. There is an approved siting criteria waiver for the source-oriented Woodlawn site in Pinellas County (AQS Site #: 12-103-0012), which will be reevaluated during the next 5-year Network Assessment. All of Florida's PM<sub>10</sub> monitoring sites meet the NAAQS for calendar years 2016 to 2018, as detailed in Table 4.10.

**Table 4.10 Florida's PM<sub>10</sub> Network**

AQS Site #	Site Name	Pollutant	Method: FRM/FEM	Operating Schedule	Exceedances for 2016- 2018	Comments
12-009-0007	Melbourne	PM <sub>10</sub>	FEM	Continuous	0	
12-011-0034	Daniela Banu (NCore Site)	PM <sub>10</sub>	FEM	Continuous	0	
12-011-5005	Coconut Creek	PM <sub>10</sub>	FEM	Continuous	0	
12-031-0032	Kooker Park	PM <sub>10</sub>	FEM	Continuous	0	
12-031-0098	Mandarin Rd Site	PM <sub>10</sub>	FEM	Continuous	0	
12-057-0083	Gardinier Park	PM <sub>10</sub>	FEM	Continuous	0	
12-057-1035	Davis Island (Coast Guard Station)	PM <sub>10</sub>	FEM	Continuous	0	
12-071-0005	Winkler Pump Station	PM <sub>10</sub>	FEM	Continuous	0	
12-086-1016	Miami Fire Station	PM <sub>10</sub>	FEM	Continuous	0	
12-091-0002	Fort Walton Beach	PM <sub>10</sub>	FEM	Continuous	0	
12-095-2002	Lake Isle Estates - Winter Park	PM <sub>10</sub>	FEM	Continuous	0	
12-099-2005	Delray Beach	PM <sub>10</sub>	FEM	Continuous	0	
12-103-0012	Woodlawn	PM <sub>10</sub>	FEM	Continuous	0	
12-103-0018	Azalea Park	PM <sub>10</sub>	FEM	Continuous		
12-103-3004	County Motorpool	PM <sub>10</sub>	FEM	Continuous	0	
12-105-6006	Baptist Children's Home	PM <sub>10</sub>	FEM	Continuous	0	
12-107-1008	Palatka Barge Port	PM <sub>10</sub>	FEM	Continuous	0	
12-115-1006	Paw Park	PM <sub>10</sub>	FEM	Continuous	0	

<b>AQS Site #</b>	<b>Site Name</b>	<b>Pollutant</b>	<b>Method: FRM/FEM</b>	<b>Operating Schedule</b>	<b>Exceedances for 2016- 2018</b>	<b>Comments</b>
12-117-1002	Seminole Community College	PM <sub>10</sub>	FEM	Continuous	0	
12-127-5002	Daytona - Blind Services	PM <sub>10</sub>	FEM	Continuous	0	

## 4.10 LEAD MONITORING NETWORK

Florida's PQAQO currently operates 3 lead (Pb) source monitors. This network is sufficient to protect the health and welfare of Florida's residents and environment. It also provides information on how Pb particles are transported to and within the state due to the known sources and to determine where Pb source concentrations do and do not exceed the NAAQS. All of Florida's Pb monitoring sites and their 2016 to 2018 design values are detailed in Table 4.11 below.

**Table 4.11 Florida's Lead Source Monitoring Network**

<b>AQS Site #</b>	<b>Site Name</b>	<b>2016-2018 Design Values</b>
12-057-0100	Kenly	0.01
12-057-1066	Gulf Coast Lead	0.13
12-057-1073	Patent Scaffolding	0.07

## 5.0 GLOSSARY OF AIR MONITORING TERMS

AADT	Annual Average Daily Traffic
AAMNAG	Ambient Air Monitoring Network Assessment Guidance
AQI	Air Quality Index – EPA’s standardized method of reporting air quality information and forecast to the public.
AQS	Air Quality System – EPA’s repository of ambient air quality data.
BAM	Beta Attenuation Mass Monitor – a type of continuous PM <sub>2.5</sub> monitor.
CBSA	Core Based Statistical Area – a collective term for both Metropolitan (metro) and micropolitan (micro) statistical areas.
CFR	Code of Federal Regulations
CO	Carbon monoxide – an odorless, colorless gaseous; one of the "Six Common Air Pollutants," also known as "Criteria Pollutants," regulated by EPA.
FE-AADT	Fleet Equivalent Annual Average Daily Traffic – a value calculated according to the NO <sub>2</sub> near-road technical assistance document, which weighs heavy-duty traffic 10 times more than other vehicles.
FEM	Federal Equivalence Method – method approved for comparison to NAAQS.
FRM	Federal Reference Method – method approved for comparison to NAAQS.
IMPROVE	Interagency Monitoring of Protected Visual Environments
MSA	Metropolitan Statistical Area – a "geographic entity defined by the U.S. Office of Management and Budget (OMB) for use by federal statistical agencies in collecting, tabulating, and publishing Federal statistics." A MSA consists of a core urban area of at least 50,000 people.
NAAQS	National Ambient Air Quality Standards – maximum threshold concentrations above which adverse health effects may occur. EPA established NAAQS for Criteria Pollutants based on the 1970 Clean Air Act.
NATTS	National Air Toxics Trends Stations
NCore	National Core multi-pollutant monitoring stations – a collection of monitors that integrates several advanced measurement systems for particles, pollutant gases and meteorology.
NEI	National Emissions Inventory
NO	Nitrogen oxide
NO <sub>2</sub>	Nitrogen dioxide – a by-product of incomplete combustion that is intimately involved in photochemistry and ozone formation, as well as acid rain formation.
NO <sub>x</sub>	A measure of total oxides of nitrogen, consisting primarily of nitrogen dioxide (NO <sub>2</sub> ) and nitric oxide (NO).
NO <sub>y</sub>	Total reactive nitrogen – a collective name for oxidized forms of nitrogen in the atmosphere, such as nitric oxide (NO), nitrogen dioxide (NO <sub>2</sub> ), nitric acid (HNO <sub>3</sub> ) and organic nitrates.
O <sub>3</sub>	Ozone – a gaseous pollutant and a component of smog at ground level; one of the "Six Common Air Pollutants," also known as "Criteria Pollutants," regulated by EPA.
PAMS	Photochemical Assessment Monitoring Station
PM	Particulate Matter – also known as particle pollution.
PM <sub>2.5</sub>	Particulate Matter 2.5 micrometers in diameter and smaller.
PM <sub>10</sub>	Particulate Matter 10 micrometers in diameter and smaller.
PM <sub>10-2.5</sub>	Particle size between 10 and 2.5.
PQAO	Primary Quality Assurance Organization
PWEI	Population Weighed Emissions Index
PSD	Prevention of Significant Deterioration
SIP	State Implementation Plan
SLAMS	State and Local Air Monitor Stations
SO <sub>2</sub>	Sulfur dioxide
SPM	Special Purpose Monitors
STN	Speciation Trends Network
SU/SD	Set-up/ Shut-down

## 6.0 APPENDICES

### APPENDIX A: ADDITIONAL NETWORK INFORMATION

This appendix provides additional information to facilitate a full evaluation of several relocations within Florida's air monitoring network.

#### A.1 Site Relocations

➤ **Homestead Fire Station Site: AQS Site # 12-086-6001**

The Homestead Fire Station Site (AQS Site #: 12-086-6001), hereafter known as the Wittkop Park Site, will be located 704 meters northwest of its original location due structural integrity issues with the building. The new shelter will be located on the Homestead Public Services property and assigned a new AQS site identification number (12-086-6002) due to the change in address.

- *Photos and Wind Rose for the Miami-Dade County: Proposed Wittkop Park Site - AQS # 12-086-6002*

Figure 6.1 North from Proposed Wittkop Park Site





**Figure 6.2 South from Proposed Wittkop Park Site**



**Figure 6.3 East from Proposed Wittkop Park Site**





Figure 6.4 West from Proposed Wittkop Park Site



Figure 6.5 Aerial of Proposed Wittkop Park Site

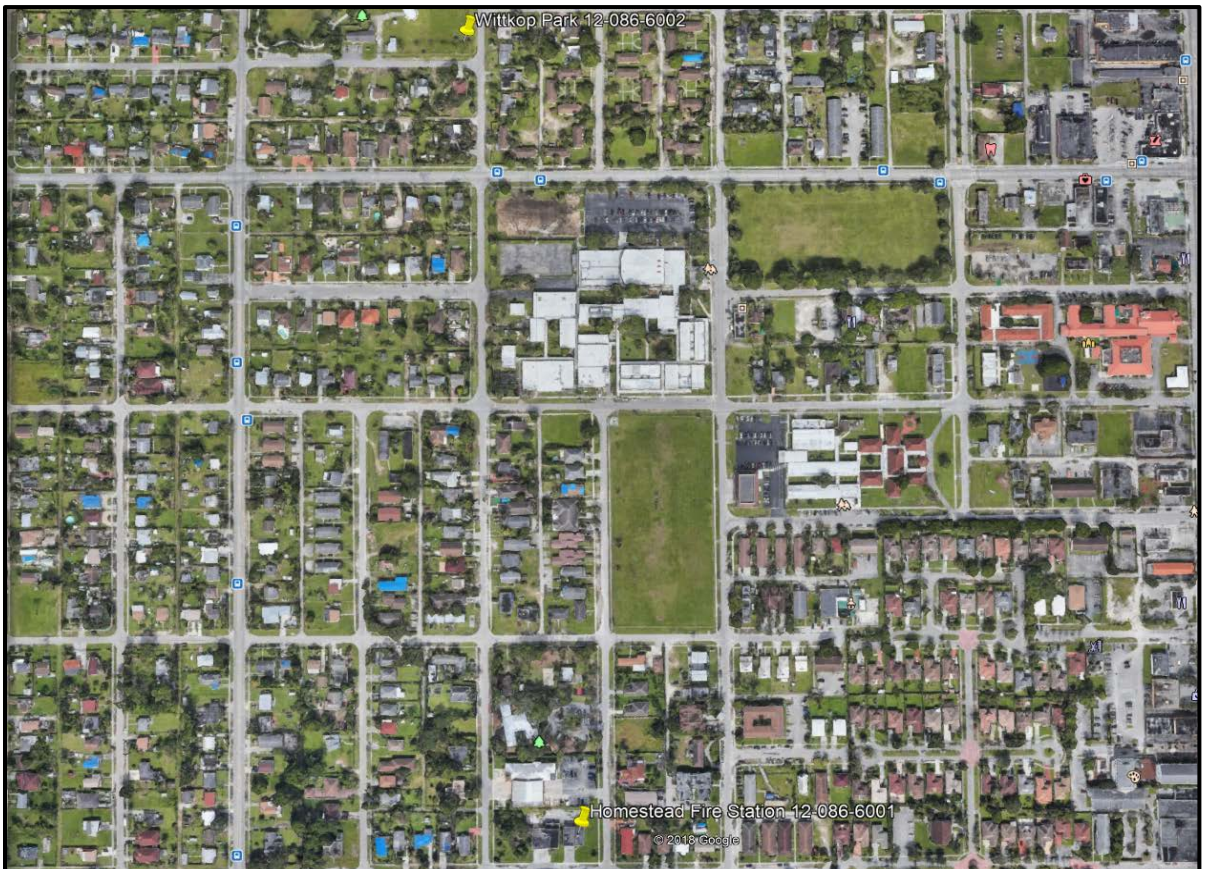


Figure 6.6 Wind Rose from Homestead Fire Station (AQS Site ID#: 12-086-6001)

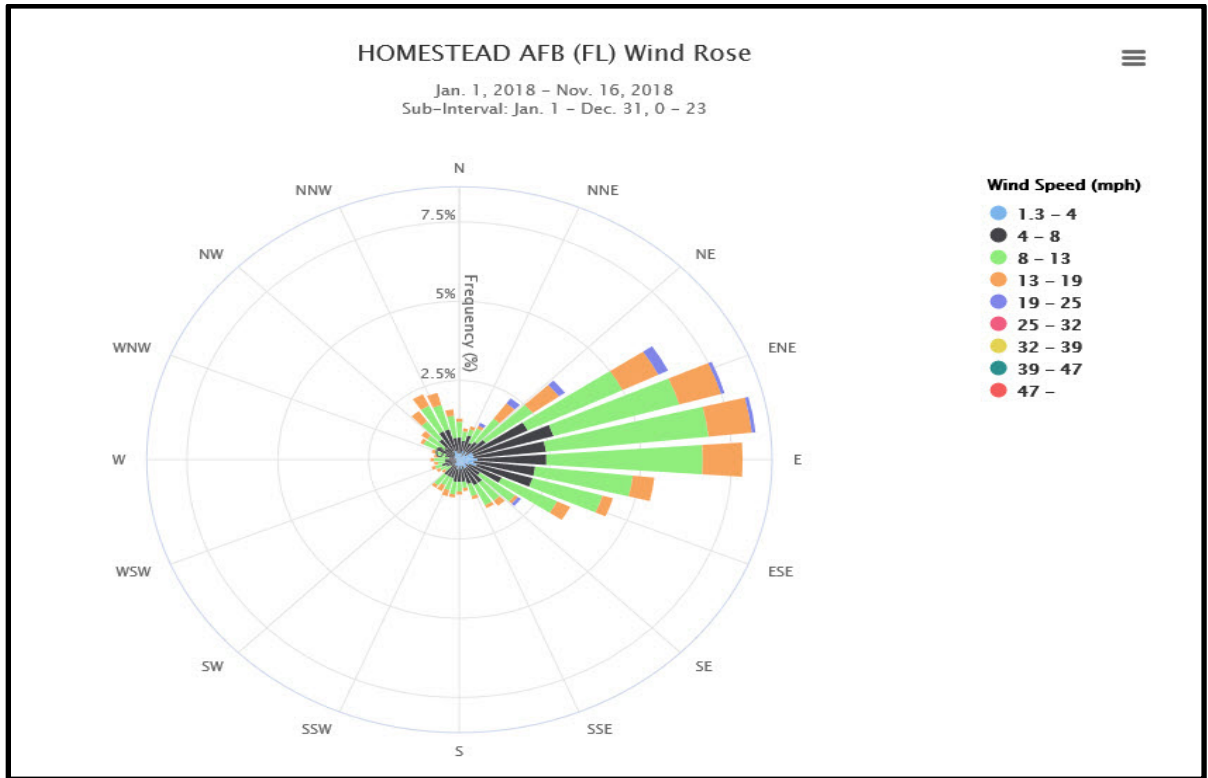
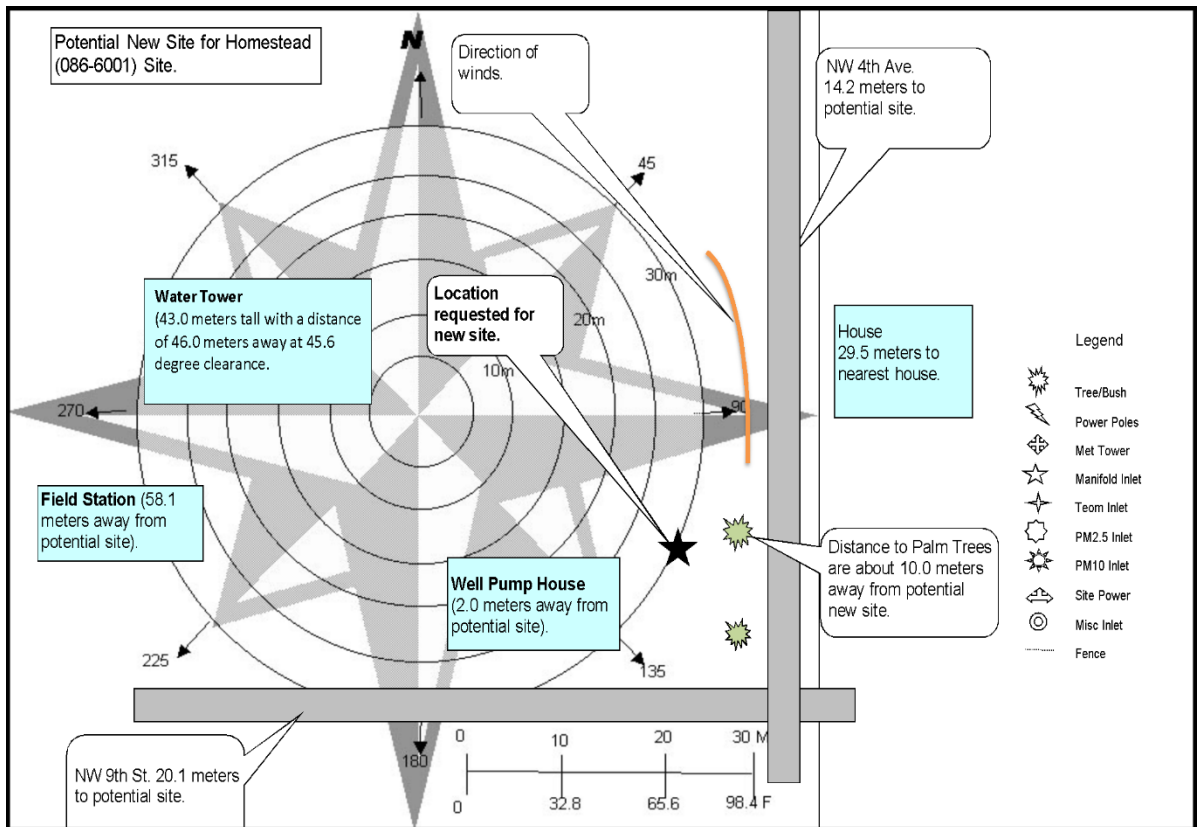


Figure 6.7 Site Sketch of Proposed Wittkop Park Site





➤ **Melbourne Site: AQS Site # 12-009-0007**

The Melbourne Site (AQS Site #: 12-009-0007) will be relocated 115.6 meters west of its original location on the property to resolve existing electrical issues. The site remains representative of the area's air mass and will retain its AQS Site number.

- *Photos and Wind Rose for the Brevard County: Melbourne Site - AQS # 12-009-0007*

**Figure 6.8 North from Proposed Melbourne Site**



**Figure 6.9 Northeast from Proposed Melbourne Site**





**Figure 6.10 East from Proposed Melbourne Site**



**Figure 6.11 Southeast from Proposed Melbourne Site**





**Figure 6.12 South from Proposed Melbourne Site**



**Figure 6.13 Southwest from Proposed Melbourne Site**





Figure 6.14 West from Proposed Melbourne Site



Figure 6.15 Northwest from Proposed Melbourne Site





Figure 6.16 Aerial of Proposed Melbourne Site



Figure 6.17 Wind Rose from Melbourne Site (AQ5 Site ID #: 12-009-0007)

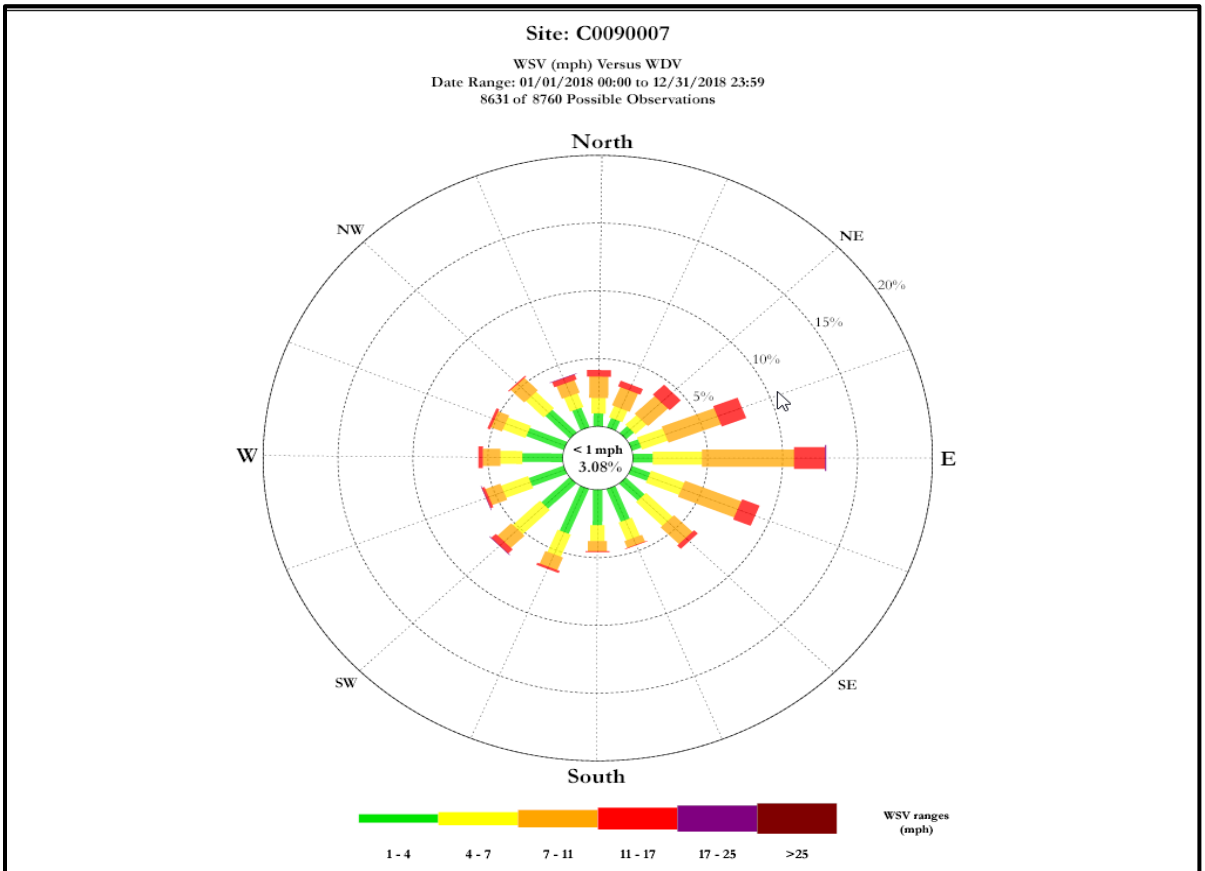
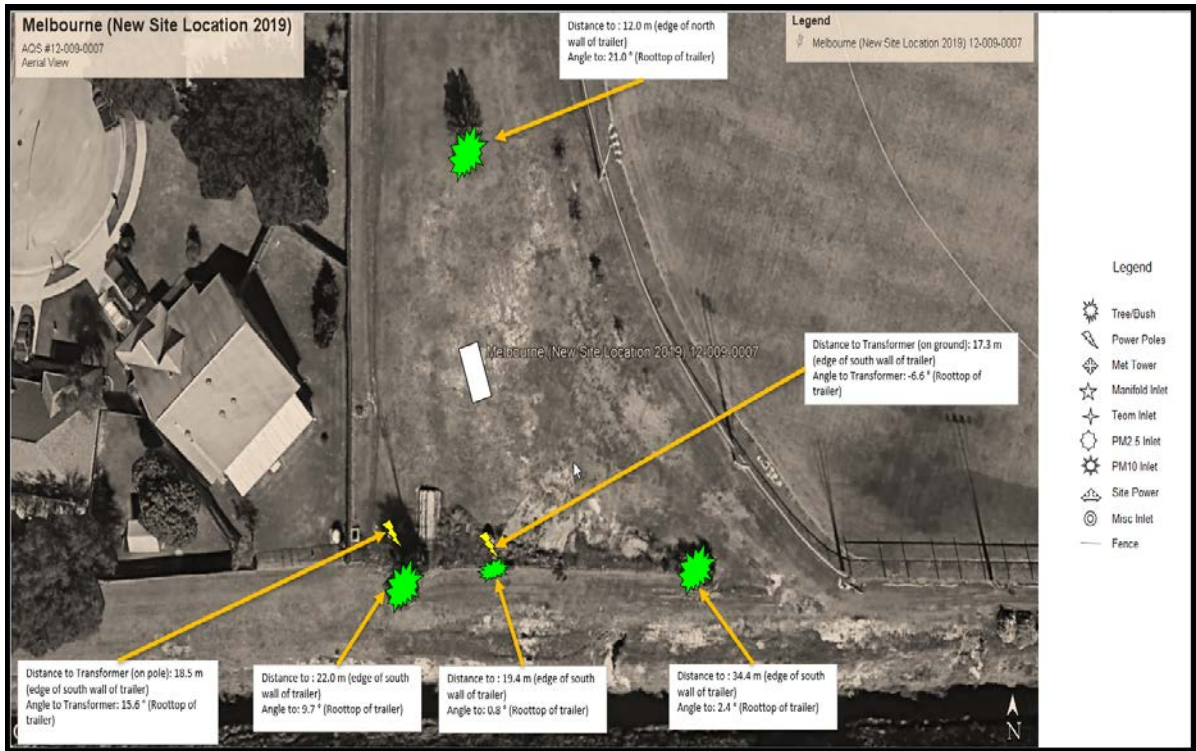




Figure 6.18 Site Sketch of Melbourne Site



## APPENDIX B: ANNUAL SITE REVIEW SUMMARY

The Florida DEP's audit staff conduct site reviews to verify that sites meet probe line siting criteria. Identified issues are resolved as quickly as practicable. The date of the most recent site review, notes as to whether there are existing issues, and any comments regarding these issues are provided in the table below.

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-001-0023	Millhopper	Manual PM <sub>2.5</sub> (2)*	August 21, 2018	No	N/A
12-001-3012	Paynes Prairie Farm	Ozone Continuous PM <sub>2.5</sub> (2)*	March 5, 2019	No	N/A
12-003-0002	Osceola National Forest – Olustee Ranger Station	Ozone	July 10, 2018	No	N/A
12-005-0006	St. Andrews State Park	Ozone Continuous PM <sub>2.5</sub>	April 2, 20119	No	N/A
12-009-0007	Melbourne	Ozone Manual PM <sub>2.5</sub> Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	February 6, 2019	No	N/A
12-009-4001	Cocoa Beach	Ozone	April 9, 2019	No	N/A
12-011-0033	Vista View Park	Ozone Continuous PM <sub>2.5</sub>	October 30, 2018	No	N/A
12-011-0034	Daniela Banu (NCore Site)	Ozone Continuous PM <sub>10</sub> Manual PM <sub>2.5</sub> (2)* Continuous PM <sub>2.5</sub> Trace CO Trace SO <sub>2</sub> Trace NO <sub>y</sub> Supplemental PM <sub>2.5</sub> Speciation Elemental Carbon/ Organic Carbon PMcoarse Toxics	August 20, 2018	No	N/A
12-011-0035	Fort Lauderdale Near Road	NO <sub>2</sub> Trace CO Continuous PM <sub>2.5</sub> Black Carbon Ultrafine Particulate	May 28, 2019	No	N/A
12-011-2003	Pompano Highland Fire House	Ozone Manual PM <sub>2.5</sub> Continuous PM <sub>10</sub>	May 1, 2019	No	N/A
12-011-5005	Coconut Creek	Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	October 31, 2018	No	N/A
12-011-8002	Dr. Von D. Mizell-Eula Johnson State Park	Ozone NO <sub>2</sub>	January 8, 2019	No	N/A
12-017-0006	Crystal River Preserve	SO <sub>2</sub> Continuous PM <sub>2.5</sub>	June 4, 2019	No	N/A
12-021-0004	Laurel Oak Elementary	Ozone Continuous PM <sub>2.5</sub>	January 9, 2019	No	N/A
12-023-0002	Lake City - Veterans Domicile	Ozone Continuous PM <sub>2.5</sub>	April 2, 2019	No	N/A

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-031-0032	Kooker Park	SO <sub>2</sub> NO <sub>2</sub> Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	January 22, 2019	No	N/A
12-031-0077	Sheffield Elementary	Ozone Continuous PM <sub>2.5</sub>	May 7, 2019	No	N/A
12-031-0081	Cedar Bay STP	SO <sub>2</sub>	July 24, 2018	No	N/A
12-031-0098	Mandarin Rd Site	Manual PM <sub>2.5</sub> Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	January 22, 2019	No	N/A
12-031-0099	Sunny Acres	Manual PM <sub>2.5</sub> (2)*	July 23, 2018	No	N/A
12-031-0100	Mayo Clinic	Ozone Continuous PM <sub>2.5</sub>	July 24, 2018	No	N/A
12-031-0106	Cisco Drive	Ozone	November 13, 2018	No	N/A
12-031-0108	Pepsi Place	NO <sub>2</sub> CO Continuous PM <sub>2.5</sub>	May 8, 2019	No	N/A
12-033-0004	Ellyson Industrial Park	Ozone SO <sub>2</sub> Manual PM <sub>2.5</sub> (2)*	January 29, 2019	No	N/A
12-033-0018	Pensacola NAS	Ozone	August 1, 2018	No	N/A
12-035-0004	Flagler	Ozone	October 22, 2018	No	N/A
12-047-0015	White Springs	SO <sub>2</sub> Continuous PM <sub>2.5</sub>	January 15, 2019	No	N/A
12-055-0003	Archbold Biological Station	Ozone	January 8, 2019	No	N/A
12-057-0081	E.G. Simmons Park	Ozone	October 30, 2018	No	N/A
12-057-0083	Gardinier Park	Continuous PM <sub>10</sub>	April 16, 2019	No	N/A
12-057-0100	Kenly	Pb	October 29, 2018	No	N/A
12-057-0109	East Bay	SO <sub>2</sub>	January 15, 2019	No	N/A
12-057-0112	Apollo Beach	SO <sub>2</sub> Continuous PM <sub>2.5</sub>	July 17, 2018	No	N/A
12-057-0113	Munro Street	NO <sub>2</sub> CO Continuous PM <sub>2.5</sub> Black Carbon Ultrafine Particulate	June 19, 2018	No	N/A
12-057-1035	Davis Island (Coast Guard Station)	Ozone SO <sub>2</sub> Continuous PM <sub>10</sub>	April 13, 2019	No	N/A
12-057-1065	USMC Reserve Center	Ozone Continuous PM <sub>2.5</sub>	April 17, 2019	No	N/A
12-057-1066	Gulf Coast Lead	Pb (2)*	April 18, 2019	No	N/A
12-057-1073	Patent Scaffolding	Pb	July 17, 2018	No	N/A

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-057-3002	Sydney (NCore Site)	Ozone NO <sub>y</sub> Trace SO <sub>2</sub> Trace CO Continuous PM <sub>2.5</sub> Manual PM <sub>2.5</sub> (2)* Supplemental PM <sub>2.5</sub> Speciation Elemental Carbon/ Organic Carbon Toxics PMcoarse	February 20, 2019	No	N/A
12-059-0004	Bonifay Tri-County Airport	Ozone Continuous PM <sub>2.5</sub>	November 7, 2018	No	N/A
12-069-0002	Clermont	Ozone	October 23, 2018	No	N/A
12-071-0005	Winkler Pump Station	Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	January 9, 2019	No	N/A
12-071-2002	Rotary Park	Ozone	July 25, 2018	No	N/A
12-071-3002	Bay Oaks Park	Ozone	July 24, 2018	No	N/A
12-073-0012	Tallahassee Community College	Ozone Manual PM <sub>2.5</sub> (2)* Continuous PM <sub>2.5</sub> SASS URG RADNET	June 5, 2018	No	N/A
12-081-0028	Port Manatee Dep	SO <sub>2</sub>	May 8, 2019	No	N/A
12-081-3002	Port Manatee	Ozone	September 12, 2018	No	N/A
12-081-4012	Gt Bray Park	Ozone	September 11, 2018	No	N/A
12-081-4013	39th Street Park	Ozone	September 11, 2018	No	N/A
12-083-0003	Ocala - YMCA	Ozone Continuous PM <sub>2.5</sub>	June 5, 2018	No	N/A
12-083-0004	Marion County Sheriff	Ozone	November 6, 2018	No	N/A
12-085-0007	Stuart	Ozone Continuous PM <sub>2.5</sub>	February 5, 2019	No	N/A
12-086-0019	Pennsuco	SO <sub>2</sub>	February 12, 2019	No	N/A
12-086-0027	Rosenstiel (University Of Miami)	Ozone NO <sub>2</sub>	August 7, 2018	No	N/A
12-086-0029	Perdue	Ozone	April 30, 2019	No	
12-086-0033	Palm Springs Fire Station	Manual PM <sub>2.5</sub>	February 13, 2019	No	N/A
12-086-0034	Kendall	Continuous PM <sub>2.5</sub>	February 12, 2019	No	N/A
12-086-0035	Perimeter Road	NO <sub>2</sub>	May 2, 2019	No	N/A
12-086-1016	Miami Fire Station	Manual PM <sub>2.5</sub> Continuous PM <sub>2.5</sub> PM <sub>10</sub> (2)*	August 6, 2018	No	N/A
12-086-4002	Lab Annex	NO <sub>2</sub> CO	November 19, 2018	No	N/A

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-086-6001	Homestead Fire Station	Manual PM <sub>2.5</sub> Continuous PM <sub>2.5</sub>	November 20, 2018	No	N/A
12-089-0005	Fernandina Beach Waste Water Treatment Plant (FBWWTP)	SO <sub>2</sub>	April 3, 2019	No	N/A
12-089-0010	Yulee	Continuous PM <sub>2.5</sub>	October 3, 2018	No	N/A
12-091-0002	Fort Walton Beach	Ozone Continuous PM <sub>10</sub>	November 9, 2018	No	N/A
12-095-0008	Winegard Elementary School	Ozone	February 27, 2019	No	N/A
12-095-0009	I-4 Near Road	NO <sub>2</sub> CO Continuous PM <sub>2.5</sub>	March 15, 2017	Yes	The siting criteria is not currently being met due to construction. However, a temporary monitoring waiver was granted from EPA. Site has been temporarily closed since July 1, 2017.
12-095-2002	Lake Isle Estates - Winter Park	Ozone NO <sub>2</sub> SO <sub>2</sub> CO PM <sub>10</sub> Continuous PM <sub>2.5</sub>	August 7, 2018	No	N/A
12-097-2002	Osceola County Fire Station - Four Corners	Ozone	October 23, 2018	Yes	There are trees within 10 meters of inlet. Florida DEP was granted approval from the property owner to cut the trees on June 7, 2019. Florida DEP is in the process of securing a contractor to proceed with the work.
12-099-0008	Belle Glade	Continuous PM <sub>2.5</sub>	June 4, 2018	No	N/A
12-099-0021	Lantana Preserve	Ozone NO <sub>2</sub>	June 5, 2018	No	N/A
12-099-0022	Lamstein Lane	Ozone Continuous PM <sub>2.5</sub> (2)*	November 28, 2017	No	N/A
12-099-2005	Delray Beach	Manual PM <sub>2.5</sub> Continuous PM <sub>10</sub>	November 27, 2018	No	N/A
12-101-0005	San Antonio	Ozone	May 9, 2019	No	N/A
12-101-2001	Holiday	Ozone	November 7, 2018	No	N/A

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-103-0004	St. Petersburg College	Ozone Continuous PM <sub>2.5</sub>	January 23, 2019	No	N/A
12-103-0012	Woodlawn	PM <sub>10</sub>	July 11, 2018	Yes	Permanent siting waiver granted by EPA in 2016-2017 Network Plan
12-103-0018	Azalea Park	Ozone NO <sub>2</sub> PM <sub>10</sub> Continuous PM <sub>2.5</sub> Carbonyl VOC	July 10, 2018	No	N/A
12-103-0023	Derby Lane	SO <sub>2</sub>	October 24, 2018	No	N/A
12-103-0027	Sawgrass Lake Park	NO <sub>2</sub> CO Aethalometer	December 12, 2018	No	N/A
12-103-3004	County Motorpool	Manual PM <sub>10</sub>	October 24, 2018	No	N/A
12-103-5002	John Chestnut Sr. Park - East Lake	Ozone Continuous PM <sub>2.5</sub>	April 2, 2019	No	N/A
12-103-5003	Oakwood	SO <sub>2</sub>	April 2, 2019	No	N/A
12-105-6005	Sikes Elementary School	Ozone SO <sub>2</sub>	September 12, 2018	Yes	Tree trimming was conducted on June 12-13, 2019. However, there are still trees that are too tall for the inlets. Florida DEP is working with property owner to proceed with additional tree trimming.
12-105-6006	Baptist Children's Home	Ozone Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	February 12, 2019	Yes	Tree trimming was conducted on June 12-13, 2019. However, there are still trees that are too tall for the inlets. Florida DEP is working with property owner to proceed with additional tree trimming.
12-107-1008	Palatka Barge Port	SO <sub>2</sub> Continuous PM <sub>10</sub>	March 6, 2019	No	N/A
12-111-0013	Savannas	Ozone	April 23, 2019	No	N/A
12-113-0015	Woodlawn Beach Middle School	Ozone Continuous PM <sub>2.5</sub>	January 30, 2019	No	N/A
12-115-0013	Bee Ridge Park	Continuous PM <sub>2.5</sub>	April 15, 2019	No	N/A
12-115-1005	Lido Park	Ozone	October 9, 2018	No	N/A

AQS #	Site Name	Parameter(s)	Site Review Date <sup>1</sup>	Issues?	Issues/Comments
12-115-1006	Paw Park	Ozone NO <sub>2</sub> Continuous PM <sub>10</sub>	October 10, 2018	No	N/A
12-115-2002	Jackson Road	Ozone Continuous PM <sub>2.5</sub>	April 16, 2019	No	N/A
12-117-1002	Sanford	Ozone Manual PM <sub>2.5</sub> Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	April 10, 2019	No	N/A
12-127-5002	Daytona - Blind Services	Ozone Continuous PM <sub>2.5</sub> Continuous PM <sub>10</sub>	August 13, 2018	No	N/A
12-129-0001	St. Marks Wildlife Refuge (NCore Site)	Ozone NO <sub>y</sub> Trace SO <sub>2</sub> Trace CO Continuous PM <sub>2.5</sub>	March 7, 2019	No	N/A

<sup>1</sup>Includes site reviews conducted as of June 18, 2019.

\*Primary and collocated monitor.

## **APPENDIX C: AMBIENT AIR MONITORING NETWORK DESCRIPTION**

Florida's air monitoring network, including changes expected through June 30, 2019, is described in this appendix. The network description below is organized by Metropolitan Statistical Area from largest to smallest.



## Florida Ambient Air Monitoring Network Description

## METROPOLITAN STATISTICAL AREA: MIAMI - FT LAUDERDALE - MIAMI BEACH (BROWARD, MIAMI-DADE AND PALM BEACH COUNTIES)

## Broward County

AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-011-0033	Vista View Park	4001 SW 142 Ave, Davie, FL 33330; 26.073056, -80.338889	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	TRENDS MONITORING		SU 7/1/2008
			SPM	PM <sub>2.5</sub>	3	Continuous	MET One BAM 1020	POP EXP	NBH	TRENDS MONITORING		SU 1/28/2009
12-011-0034	Daniela Banu (NCore Site)	5300 S. Pine Island Rd., Davie, FL 33328; 26.0538889, -80.2569444	SLAMS	CO	1	Continuous	Thermo 48C-TLE	POP EXP	NBH	NEEDED BY REGULATION		SU 7/1/2015; Trace Level;
			SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i-TLE	POP EXP	NBH	NEEDED BY REGULATION		SU 7/1/2015; Trace Level
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 7/1/2015
			SLAMS	PM <sub>10</sub>	3	Continuous	MET One eBAMS+	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 1/1/2015; SD EXPECTED 9/30/2019
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo 2025i	POP EXP	NBH	QA COLLOCATION	REPLACED BY FEM	SU 1/1/2015; Collocated monitor; SD EXPECTED 9/30/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Thermo 5014i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY ALTERNATE FEM	SU 7/1/2015; FEM; SD EXPECTED 9/30/2019
			SLAMS	PM <sub>2.5</sub>	4	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 10/1/2019; FEM
			SLAMS	PMCoarse	1	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2016
			SLAMS	NO <sub>y</sub>	1	Continuous	Thermo 42i-Y	POP EXP	NBH	NEEDED BY REGULATION		SU 7/1/2015; Trace Level
			SLAMS	SPEC. PM <sub>2.5</sub>	5	Every 6th Day	MET ONE SASS	POP EXP	NBH	TRENDS MONITORING		SU 1/1/2015
			CSN	EC/OC		Every 3rd Day	URG 3000N	POP EXP	NBH	TRENDS MONITORING		SU 1/1/2015
	NON-REG	Toxics		Every 6th Day		POP EXP	NBH	BASELINE MONITORING		SU 11/1/2015		
		Meteorology		Continuous		POP EXP	NBH	SUPPORT NCORE NETWORK		SU EXPECTED 8/1/2019		
12-011-0035	Fort Lauderdale Near Road	799 N I-95, Ft. Lauderdale, FL 33311; 26.131256, -80.167847	SLAMS	CO	1	Continuous	Thermo 48i-TLE	POP EXP	URBAN	NEEDED BY REGULATION		SU 8/1/2015; Trace level
			SLAMS	NO <sub>2</sub>	1	Continuous	Teledyne T200UP	POP EXP	URBAN	NEEDED BY REGULATION		SU 8/1/2015; Near-road Site
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Thermo 5014i	POP EXP	URBAN	NEEDED BY REGULATION		SU 8/1/2015; FEM
			SLAMS	BC	1	Continuous	Teledyne API 633	POP EXP	URBAN	NEEDED BY REGULATION		SU 1/20/2017
			SLAMS	UFP	1	Continuous	TSI 3031	POP EXP	URBAN	NEEDED BY REGULATION		SU 3/15/2017
12-011-2003	Pompano Highland Fire House	1951 NE 48th Street, Pompano Beach, FL 33060; 26.290765, -80.096665	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	RELIED ON FOR SPATIAL COVERAGE		SU 1/1/1989
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo/R&P 2025	HI CONC	NBH	INTERPOLATION	REPLACED BY FEM	SU 7/10/2010; SD EXPECTED 6/30/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	INTERPOLATION	ADD	SU EXPECTED 7/1/2019; FEM
12-011-5005	Coconut Creek	5005 Winston Park Blvd, Coconut Creek, FL 33073; 26.294167, -80.176389	SLAMS	PM <sub>10</sub>	1	Continuous	MET One eBAMS+	POP EXP	NBH	SOURCE MONITORING		SU 1/1/2018; FEM
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 9/30/2009; SD 4/1/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU 1/1/2019; FEM
12-011-8002	Dr. Von Mizell-Eula Johnson State Park	7000 N. Ocean Dr., Dania, FL 33004; 26.087198, -80.111415	SLAMS	NO <sub>2</sub>	1	Continuous	Thermo 42i	POP EXP	NBH	COMM-WIDE MONITORING		SU 7/8/1990
			SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 1/1/1985

Miami-Dade County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-086-0019	Pennsuco	14001-14027 N Okeechobee Rd, Hialeah, FL 33018; 25.899167, -80.382778	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	POP EXP	NBH	TRENDS MONITORING		SU 8/18/1987
12-086-0027	Rosenstiel (University of Miami)	4600 Rickenbacker Causeway, Miami, FL 33149; 25.732500, -80.161944	SLAMS	NO <sub>2</sub>	1	Continuous	Teledyne T200	POP EXP/ UPWIND BKGD	NBH	VULNERABLE AND SUSCEPTIBLE MONITORING		SU 1/30/1985
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP/ UPWIND BKGD	NBH	NEEDED BY REGULATION		SU 3/7/1984
12-086-0029	Perdue	19590 Old Cutler Rd, Cutler Ridge, FL 33157; 25.586944, -80.326111	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	USED FOR AQI		SU 5/1/1985
12-086-0033	Palm Springs Fire Station	7700 NW 186th St, Palm Springs, FL 33015; 25.9419444, -80.3263889	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	MONITORING GROWTH IMPACT		SU 5/4/2005
12-086-0034	Kendall	9015 SW 127th Ave, Miami, FL 33186; 25.683330, -80.399722	SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	POP EXP	MIDDLE	USED FOR AQI		SU 7/1/2018
12-086-0035	Perimeter Road	5600 Perimeter Road, Miami, FL 33126; 25.7854722, -80.2842055	SLAMS	NO <sub>2</sub>	1	Continuous	Teledyne T200UP	SOURCE	MICRO	NEEDED BY REGULATION		SU 1/11/2016; Near-road Site
12-086-1016	Miami Fire Station	1200 NW 20th St, Miami, FL 33142; 25.794722, -80.215556	SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo 2025i	HI CONC	NBH	QA COLLOCATION		SU 2/4/1999; Collocated monitor
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 4/1/2018; FEM
			SLAMS	PM <sub>10</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 4/1/2018; FEM
12-086-4002	Lab Annex	864 NW 3rd St, Miami, FL 33127; 25.798333, -80.210278	SLAMS	CO	1	Continuous	Teledyne 300E	HI CONC	NBH	TRENDS MONITORING		SU 1/1/1976
			SLAMS	NO <sub>2</sub>	2	Continuous	Teledyne T200	HI CONC	NBH	ASSIST IN FORCASTING		SU 1/1/1984
12-086-6001	Homestead Fire Station	325 NW 2nd St, Homestead, FL 33030; 25.471944, -80.482778	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 1/27/1999; SD EXPECTED 12/31/2019
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1400AB	POP EXP	NBH	USED FOR AQI	REPLACED BY FEM	SU 2/10/2004; SD EXPECTED 12/31/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 1/1/2020; FEM
Palm Beach County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-099-0021	Lantana Preserve	968 N 8th St, Lantana, FL 33462; 26.5938083, -80.0584917	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	URBAN	NEEDED BY REGULATION		SU 2/2/2015
12-099-0022	Lamstein Lane	Lamstein Ln, Royal Palm Beach, FL 33411; 26.687606, -80.219619	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 1/15/2019; Relocation from 099-0009
			SLAMS	PM <sub>2.5</sub>	1	Continuous	Thermo 5014i	POP EXP	NBH	NEEDED BY REGULATION		SU 1/17/2019; FEM, Relocation from 099-0009
12-099-0008	Belle Glade	38754 State Rd 80, Belle Glade, FL 33430; 26.724786, -80.666447	NON-REG	PM <sub>2.5</sub>	3	Continuous	MET One BAM 1020	POP EXP	NBH	USED FOR AQI		SU 5/1/2009; FEM
12-099-2005	Delray Beach	225 S. Congress Ave, Delray Beach, FL 33445; 26.456944, -80.092778	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 5/31/2001; SD EXPECTED 12/31/2019
			SLAMS	PM <sub>10</sub>	3	Continuous	MET One BAM 1020	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY ALTERNATE FEM	SU 02/03/2015; SD EXPECTED 12/31/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 1/1/2020; FEM
			SLAMS	PM <sub>10</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 1/1/2020; FEM
METROPOLITAN STATISTICAL AREA: TAMPA - ST PETERSBURG - CLEARWATER (HILLSBOROUGH, PINELLAS, PASCO AND HERNANDO COUNTIES)												
Pasco County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-101-0005	San Antonio	30908 Warder Rd., San Antonio, FL 33576; 28.332225, -82.305643	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	URBAN	URBAN SPRAWL		SU 9/7/2000
12-101-2001	Holiday	3452 Darlington Rd., Holiday, FL 34691; 28.195574, -82.756264	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	URBAN SPRAWL		SU 1/17/1992

Hillsborough County											
12-057-0112	Apollo Beach	6506 Dolphin Cove Dr, Apollo Beach, FL 33572; 27.779712, -82.419835	SPM	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	MICRO	NEEDED BY REGULATION	SU 1/1/2016
			SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	SOURCE	MICRO	NEEDED BY REGULATION	SU 1/1/2016
12-057-0113	Munro Street	1497 N. Munro Street, Tampa, FL 33607; 27.955550, -82.467140	SLAMS	CO	1	Continuous	Teledyne T300U	SOURCE	MICRO	NEEDED BY REGULATION	SU 2/1/2016; Relocation from 057-1111
			SLAMS	NO <sub>2</sub>	1	Continuous	Teledyne T200UP	SOURCE	MICRO	NEEDED BY REGULATION	SU 2/1/2016; Near-road Site; Relocation from 057-1111
			SLAMS	PM <sub>2.5</sub>	1	Continuous	Teledyne T640	SOURCE	MICRO	NEEDED BY REGULATION	SU 2/1/2016; FEM
			SPM	BC	1	Continuous	Teledyne API 633	POPULATION EXPOSURE	MICRO	TRENDS MONITORING	SU 2/1/2016
			SLAMS	UFP	1	Continuous	Teledyne API 651	SOURCE	MICRO	NEEDED BY REGULATION	SU 2/1/2016
12-057-0081	E.G. Simmons Park	2401 19th Avenue Northwest, Ruskin, FL 33570; 27.740033, -82.465146	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	USED FOR AQI	SU 6/14/1978
12-057-0083	Gardinier Park	6501 Riverview Dr., Riverview, FL 33578; 27.864192, -82.384259	SPM	PM <sub>10</sub>	3	Continuous	Thermo 1405	SOURCE	MIDDLE	SOURCE MONITORING	SU 4/1/1995
12-057-0100	Kenly	2909 N 66th St, Tampa, FL 33619; 27.970328, -82.380050	SPM	Pb	1	Every 6th Day	Hi-Vol	SOURCE	MIDDLE	SOURCE MONITORING	SU 4/1/2010
12-057-0109	East Bay	9851 Highway 41 S., Gibsonton, FL 33534; 27.856692, -82.383482	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43C	SOURCE	NBH	SOURCE MONITORING	SU 11/13/1996
12-057-1035	Davis Island (Coast Guard Station)	155 Columbia Dr., Tampa, FL 33606; 27.928356, -82.454539	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	POP EXP	NBH	FOR EFFECTIVENESS OF NEW REGULATIONS	SU 1/1/1974
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USED FOR AQI	SU 1/1/1973
			SLAMS	PM <sub>10</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION/USED FOR AQI	SU 12/1/1985
12-057-1065	USMC Reserve Center	5121 Gandy Blvd, Tampa, FL 33611; 27.892523, -82.538429	SLAMS	Ozone	1	Continuous	Thermo 49iQ	POP EXP	NBH	NEEDED BY REGULATION	SU 9/1/1989
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	HI CONC	NBH	USED FOR AQI	SU 1/1/2004
12-057-1066	Gulf Coast Lead	1700 N. 66th St., Tampa, FL 33629; 27.960148, -82.381873	SLAMS	Pb	1	Every 6th Day	ANDERSEN 2000	SOURCE	MIDDLE	SOURCE MONITORING	SU 1/1/2009
			SLAMS	Pb	2	Every 12th Day	ANDERSEN 2000	SOURCE	MIDDLE	SOURCE MONITORING	SU 1/1/2009
12-057-1073	Patent Scaffolding	6811 E. 14th Avenue, Tampa, FL 33619; 27.96483, -82.37921	SPM	Pb	1	Every 6th Day	Tisch Hi-Vol	SOURCE	MIDDLE	SOURCE MONITORING	SU 1/1/2009
12-057-3002	Sydney (NCore Site)	1167 N. Dover Rd., Dover, FL 33527; 27.965650, -82.230400	SLAMS	CO	2	Continuous	Thermo 48i-TLE	POP EXP	URBAN	NEEDED BY REGULATION	SU 10/1/2005; Trace level
			SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i-TLE	POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004; Trace Level
			SLAMS	NO <sub>y</sub>	1	Continuous	Thermo 42i-Y	POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo/R&P 2025	POP EXP	URBAN	QA COLLOCATION	SU 1/26/2010; Collocated monitor
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Thermo 5014i	POP EXP	URBAN	USED FOR AQI	SU 2/14/2014; FEM
			SLAMS	PMCoarse	1	Every 3rd Day	Thermo 2025i	POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004
			STN	EC/OC		Every 3rd Day	URG 3000N	POP EXP	URBAN	BASELINE MONITORING	SU 1/1/2007
			STN	SPEC. PM <sub>2.5</sub>		Every 3rd Day	METONE SASS	POP EXP	URBAN	TRENDS MONITORING	SU 1/1/2004
			NATTS	Toxics		Every 6th Day		POP EXP	URBAN	NEEDED BY REGULATION	SU 1/1/2004
	Meteorology		Continuous		POP EXP	URBAN	SUPPORT NCORE NETWORK	SU 1/1/2005			

Appendix C: Ambient Air Monitoring Network Description 2019

Pinellas County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-103-0004	St. Petersburg College	2435 Sharkey Rd., Clearwater, FL 33765; 27.946688, -82.731767	SLAMS	Ozone	1	Continuous	Teledyne 400E	HI CONC	URBAN	NEEDED BY REGULATION		SU 7/1/1978
			SLAMS	PM <sub>2.5</sub>	1	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION		SU 3/20/2019
12-103-0012	Woodlawn	1313 19th St. N., St. Petersburg, FL 33713; 27.784749, -82.659265	SLAMS	PM <sub>10</sub>	1	Continuous	eBAM Plus	HI CONC	NBH	SOURCE MONITORING		SU 1/1/2019; FEM
12-103-0018	Azalea Park	7200-22 Ave N., St. Petersburg, FL 33701; 27.785866, -82.739875	SLAMS	NO <sub>2</sub>	1	Continuous	Thermo 42i	HI CONC/ POP EXP	NBH	COMM-WIDE MONITORING		SU 1/1/1978
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USED FOR AQI		SU 4/6/1978
			SLAMS	PM <sub>10</sub>	2	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM
			NON-REG	Toxics		Every 6th Day		POP EXP	NBH	BASELINE MONITORING		SU 1/1/2001
12-103-0023	Derby Lane	10100 San Martin Rd., St. Petersburg, FL 33702; 27.863635, -82.623153	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	POP EXP	NBH	TRENDS MONITORING		SU 1/14/1979
12-103-0026	Skyview	8601 60th Street N., Pinellas Park, FL 33702; 27.850041, -82.714590	NATTS	BC	1	Continuous	Teledyne API 633	POP EXP	NBH	BASELINE MONITORING		SU 5/20/2016
			NATTS	Toxics		Every 6th Day		POP EXP	NBH	BASELINE MONITORING		SU 05/20/2016
12-103-0027	Sawgrass Lake Park	6853 25th Street N., St. Petersburg, FL 33702; 27.834409, -82.665251	SLAMS	CO	1	Continuous	Teledyne T300U	SOURCE	MICRO	SUPPORT NEAR-ROAD		SU 5/20/2016
			SLAMS	NO <sub>2</sub>	1	Continuous	Teledyne T500U	SOURCE	MICRO	NEEDED BY REGULATION		SU 05/20/2016; Near-road Site
			SPM	BC	1	Continuous	Teledyne API 633	SOURCE	MICRO	SUPPORT NEAR-ROAD		SU 05/20/2016
12-103-3004	County Motorpool	1301 Ulmerton Rd., Largo, FL 33771; 27.895856, -82.774546	SLAMS	PM <sub>10</sub>	3	Continuous	eBAM Plus	HI CONC	MIDDLE	TRENDS MONITORING		SU 1/1/2019
12-103-5002	John Chesnut Sr. Park - East Lake	2200 East Lake Rd., Palm Harbor, FL 34685; 28.090299, -82.700707	SLAMS	Ozone	1	Continuous	Teledyne 400E	POP EXP	URBAN	USED FOR AQI		SU 1/1/1977
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	USED FOR AQI		SU 9/5/2007
12-103-5003	Oakwood	40671 US 19 N., Tarpon Springs, FL 34689; 28.141667, -82.739722	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	NBH	TRENDS MONITORING		SU 9/18/1998

## METROPOLITAN STATISTICAL AREA: JACKSONVILLE (BAKER, CLAY, DUVAL, NASSAU AND ST. JOHNS COUNTIES)

Baker County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-003-0002	Osceola National Forest - Olustee Ranger Station	Hwy 90, Olustee, Forest Service Office, Sanderson, FL 32087; 30.201111, -82.441111	SPM	Ozone	1	Continuous	Thermo 49i	POP EXP/ GEN BKGD	URBAN	REGIONAL BACKGROUND		SU 1/1/1996
Duval County												
12-031-0032	Kooker Park	2900 Bennett St., Jacksonville, FL 32206; 30.355856, -81.635581	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	HI CONC	NBH	TRENDS MONITORING		SU 1/1/1974
			SLAMS	NO <sub>2</sub>	2	Continuous	Thermo 42i	HI CONC	NBH	COMM-WIDE MONITORING		SU 1/6/1975
			SLAMS	PM <sub>10</sub>	1	Continuous	Thermo 1405	HI CONC	NBH	NEEDED BY REGULATION		SU 2/1/2008
			SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	COMM RESPONSE		SU 7/1/2018
12-031-0077	Sheffield Elementary	13333 Lanier Rd., Jacksonville, FL 32226; 30.477275, -81.587167	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/1979
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	USED FOR AQI		SU 9/1/2008
12-031-0081	Cedar Bay STP	1080 Cedar Bay Rd., Jacksonville, FL 32218; 30.431222, -81.631627	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	HI CONC	MIDDLE	SOURCE MONITORING		SU 1/1/1978
12-031-0098	Mandarin Road	14932 Mandarin Rd., Jacksonville, FL 32223; 30.135874, -81.634093	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 6/1/1999; SD EXPECTED 9/30/2019
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 1/1/2004; SD EXPECTED 9/30/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 10/1/2019; FEM
			SLAMS	PM <sub>10</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY ALTERNATE FEM	SU 5/31/2019; FEM; Relocated from Pepsi Place
			SLAMS	PM <sub>10</sub>	1	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 10/1/2019; FEM
12-031-0099	Sunny Acres	9429 Merrill Rd., Jacksonville, FL 32225; 30.354614, -81.547789	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION		SU 6/1/1999
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo 2025i	POP EXP	NBH	QA COLLOCATION		SU 6/1/1999; Collocated monitor
12-031-0100	Mayo Clinic	13600 William Davis Pkwy, Jacksonville, FL 32224; 30.260420, -81.453341	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 9/1/2002
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	URBAN	USED FOR AQI		SU 1/1/2004
12-031-0106	Cisco Drive	4770 Cisco Dr., Jacksonville, FL 32219; 30.378217, -81.840900	SPM	Ozone	1	Continuous	Thermo 49i	REGIONAL TRANSPORT	URBAN	USED FOR AQI		SU 9/28/2009
12-031-0108	Pepsi Place	5895 Pepsi Place, Jacksonville, FL 32319; 30.262730, -81.606826	SLAMS	CO	1	Continuous	Thermo 48i	SOURCE	MIDDLE	NEEDED BY REGULATION		SU 1/1/2014
			SLAMS	NO <sub>2</sub>	1	Continuous	Thermo 42i	SOURCE	MIDDLE	NEEDED BY REGULATION		SU 1/1/2014; Near-road Site
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	HI CONC	MIDDLE	NEEDED BY REGULATION		SU 2/14/2014; FEM
Nassau County												
12-089-0005	Fernandina Beach Waste Water Treatment Plant (FBWWTP)	1007 S 5th St, Fernandina Beach, FL 32304; 30.658552, -81.463168	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	HI CONC	NBH	NEEDED BY REGULATION		SU 1/1/1976
12-089-0010	Yulee	96160 Nassau Place, Yulee, FL 32097; 30.626950, -81.535807	SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	REGIONAL BACKGROUND		SU 12/21/2012

**METROPOLITAN STATISTICAL AREA: ORLANDO - KISSIMMEE (LAKE, ORANGE, OSCEOLA AND SEMINOLE COUNTIES)**

Lake County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-069-0002	Clermont	1901 Johns Lake Rd., Clermont, FL 34711; 28.523889, -81.723333	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	MONITORING EXT COUNTY OF LARGE MET STAT AREA		SU 6/1/2000
Orange County												
12-095-0009	I-4 Near Road	525 S. Division Ave, Orlando, FL 32805; 28.534930, -81.384247	SLAMS	CO	1	Continuous	Thermo 48i	SOURCE	MIDDLE	NEEDED BY REGULATION		SU 7/1/2016; Near-road Site; Temporarily Closed
			SLAMS	NO <sub>2</sub>	1	Continuous	Thermo 42i	SOURCE	MIDDLE	NEEDED BY REGULATION		SU 7/1/2016; Near-road Site; Temporarily Closed
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Thermo 5014i	SOURCE	MIDDLE	NEEDED BY REGULATION		SU 2/1/2017; FEM; Near-road Site; Temporarily Closed
12-095-0008	Winegard Elementary School	7055 Winegard Rd., Orlando, FL 32809; 28.454450, -81.381181	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 9/1/1988
12-095-2002	Lake Isle Estates - Winter Park	213 S. Denning Ave, Winter Park, FL 32789; 28.596389, -81.362500	SPM	CO	1	Continuous	Thermo 48i	POP EXP	NBH	TRENDS MONITORING		SU 3/23/1978
			SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	HI CONC	NBH	FOR EFFECTIVENESS OF NEW REGULATIONS		SU 1/1/1976
			SLAMS	NO <sub>2</sub>	1	Continuous	Thermo 42i	POP EXP	URBAN	COMM-WIDE MONITORING		SU 1/1/1981
			SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 1/1/1976
			SLAMS	PM <sub>10</sub>	1	Continuous	Thermo 5014i	POP EXP	NBH	NEEDED BY REGULATION		SU 01/24/2015
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Thermo 5014i	POP EXP	NBH	NEEDED BY REGULATION		SU 10/1/2016; FEM
Osceola County												
12-097-2002	Osceola Co. Fire Station - Four Corners	8706 W Irlo Bronson Memorial Hwy (SR 192), Kissimmee, FL 34747; 28.347509, -81.636464	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	URBAN SPRAWL		SU 9/1/1993
Seminole County												
12-117-1002	Sanford	284-300 Broadmoor Rd., Lake Mary, FL 32773; 28.746111, -81.310556	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	MONITORING EXT COUNTY OF LARGE MET STAT AREA		SU 1/1/1980
			SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION		SU 12/22/2000
			SLAMS	PM <sub>2.5</sub>	1	Every 12th Day	Thermo/R&P 2025	POP EXP	NBH	MONITORING EXT COUNTY OF LARGE MET STAT AREA		SU 1/7/1999; Collocated monitor
			SLAMS	PM <sub>2.5</sub>	4	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM

METROPOLITAN STATISTICAL AREA: SARASOTA - BRADENTON - VENICE (MANATEE AND SARASOTA COUNTIES)												
Manatee County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-081-3002	Port Manatee	1801 Piney Point Rd., Palmetto, FL 34221; 27.637890, -82.547480	SLAMS	Ozone	1	Continuous	2B Tech 202	HI CONC	NBH	NEEDED BY REGULATION		SU 4/1/1992; SD 5/31/2008; SU 6/10/2009
12-081-4012	GT Bray Park	5502 33rd Ave Drive W., Bradenton, FL 34209; 27.475190, -82.618180	SPM	Ozone	1	Continuous	2B Tech 202	POP EXP	NBH	USED FOR AQI		SU 2/1/1999; SD 5/31/2008; SU 6/10/2009
12-081-4013	39th Street Park	5511 39th St. East, Bradenton, FL 34203; 27.442780, -82.513120	SPM	Ozone	1	Continuous	2B Tech 202	POP EXP	NBH	USED FOR AQI		SU 1/1999; SD 3/31/2008; SU 1/20/2010
12-081-0028	Port Manatee DEP	1801 Piney Point Rd., Palmetto, FL 34221; 27.637890, -82.547480	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	NBH	NEEDED BY REGULATION		SU 11/5/2013
Sarasota County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-115-0013	Bee Ridge Park	4430 S. Lockwood Ridge Rd., Sarasota, FL 34231; 27.290556, -82.507222	SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM
12-115-1005	Lido Park	190 Taft Dr., Sarasota, FL 34236; 27.309995, -82.569689	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	NEEDED BY REGULATION		SU 9/5/1989
12-115-1006	Paw Park	4570 17th St., Sarasota, FL 34235; 27.350278, -82.479722	SPM	NO <sub>2</sub>	1	Continuous	Teledyne T200	POP EXP	NBH	ASSIST IN FORCASTING	CLOSE	SU 5/1/2000; SD EXPECTED 6/30/2019
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USED FOR AQI		SU 10/1/1999
			SLAMS	PM <sub>10</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION		SU 9/19/2003; FEM
12-115-2002	Jackson Road	250 S. Jackson Rd., Venice, FL 34292; 27.089194, -82.362583	SPM	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USED FOR AQI		SU 9/1/2003
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	TRENDS MONITORING		SU 4/1/2009
METROPOLITAN STATISTICAL AREA: CAPE CORAL - FORT MYERS (LEE COUNTY)												
Lee County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-071-0005	Winkler Pump Station	1403 Princeton St., Ft. Myers, FL 33901; 26.602016, -81.877908	SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION		SU 2/22/2001
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018
12-071-2002	Rotary Park	5505 Rose Garden Rd., Cape Coral, FL 33914; 26.548212, -81.981523	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	USED FOR MAPPING		SU 5/7/2001
12-071-3002	Bay Oaks Park	2731 Oak Street, Ft. Myers Beach, FL 33931; 26.449247, -81.939256	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC/ POP EXP	URBAN	NEEDED BY REGULATION		SU 12/1/1995
METROPOLITAN STATISTICAL AREA: LAKE LAND (POLK COUNTY)												
Polk County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-105-6005	Sikes Elementary School	2727 Shepard Rd., Lakeland, FL 33811; 27.939746, -82.000084	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	HI CONC	URBAN	NEEDED BY REGULATION		SU 9/16/2013
			SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	NEEDED BY REGULATION		SU 6/18/1992
12-105-6006	Baptist Children's Home	1015 Sikes Blvd, Lakeland, FL 33815; 28.028889, -81.972222	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 6/17/1992
			SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION		SU 10/23/2007
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/2018; FEM

## METROPOLITAN STATISTICAL AREA: DELTONA - DAYTONA BEACH - ORMOND BEACH (FLAGLER AND VOLUSIA COUNTIES)

## Flagler County

AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-035-0004	Flagler	208 Sawgrass Rd, Bunnell, FL 32110; 29.489083, -81.276833	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USED FOR AQI/ASSIST IN FORECASTING		SU 8/25/2011

## Volusia County

12-127-5002	Daytona - Blind Services	1185-A Dunn Ave, Daytona Beach, FL 32114; 29.206667, -81.052500	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	NEEDED BY REGULATION		SU 1/1/1992
			SLAMS	PM <sub>10</sub>	2	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION		SU 6/26/1998
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	URBAN	NEEDED BY REGULATION		SU 1/1/2018

## METROPOLITAN STATISTICAL AREA: PALM BAY - MELBOURNE - TITUSVILLE (BREVARD COUNTY)

## Brevard County

AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-009-0007	Melbourne	401 West Florida Ave, Melbourne, FL 32901; 28.053681, -80.629656	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 3/1/2000; Site temporarily SD 2/14/2019; Resumption Expected 7/1/2019
			SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY ALTERNATE FEM	SU 5/11/2012; SD 2/14/2019
			SLAMS	PM <sub>10</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 7/1/2019; FEM
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	HI CONC	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 3/1/2000; SD EXPECTED 6/30/2019
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1400AB	POP EXP	NBH	NEEDED BY REGULATION	REPLACED BY FEM	SU 10/25/2007; SD 2/14/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU EXPECTED 7/1/2019; FEM
12-009-4001	Cocoa Beach	400 S. 4th St., Cocoa Beach, FL 32931; 28.310841, -80.615330	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 9/18/1988

## METROPOLITAN STATISTICAL AREA: PENSACOLA - FERRY PASS - BRENT (ESCAMBIA AND SANTA ROSA COUNTIES)

## Escambia County

AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-033-0004	Ellyson Industrial Park	Ellyson Industrial Park at Copter Rd., Pensacola, FL 32514; 30.525367, -87.203550	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	POP EXP	NBH	FOR EFFECTIVENESS OF NEW REGULATIONS		SU 1/1/1976
			SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/1975
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	HI CONC	NBH	TRANSPORT	REPLACED BY FEM	SU 1/1/1999; SD EXPECTED 6/30/2019
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo 2025i	HI CONC	NBH	QA COLLOCATION	REPLACED BY FEM	SU 1/3/1999; Collocated monitor; SD EXPECTED 6/30/2019
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640X	HI CONC	NBH	NEEDED BY REGULATION	ADD	SU 1/1/2019; FEM
12-033-0018	Pensacola NAS	21 Cunningham St., Pensacola, FL 32508; 30.368050, -87.270967	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 10/21/1980

## Santa Rosa County

12-113-0015	Woodlawn Beach Middle School	1500 Woodlawn Way, Gun Breeze, FL 32563; 30.394133, -87.008033	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	USE FOR AQI		SU 3/9/2005
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	USE FOR AQI		SU 2/19/2008

## METROPOLITAN STATISTICAL AREA: PORT ST. LUCIE - FT PIERCE (MARTIN AND ST LUCIE COUNTIES)

## Martin County

AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-085-0007	Stuart	950 SE Monterey Rd., Stuart, FL 34994; 27.172458, -80.240689	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 6/11/2010
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	USED FOR AQI		SU 6/11/2010

## St. Lucie County

12-111-0013	Savannas	1420 E Midway Rd., Ft. Pierce, FL 34981; 27.389079, -80.311033	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	USED FOR AQI		SU 2/24/2011
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METROPOLITAN AREA: TALLAHASSEE (LEON, JEFFERSON AND WAKULLA COUNTIES)												
Leon County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-073-0012	Tallahassee Community College	110 Century Park Circle W., Tallahassee, FL 32304; 30.439722, -84.346389	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 6/13/1998
			SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo 2025i	POP EXP	NBH	NEEDED BY REGULATION		SU 1/1/1999
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo 2025i	POP EXP	NBH	QA COLLOCATION		SU 10/1/2004; Collocated monitor
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	NEEDED BY REGULATION		SU 7/14/2003
			STN	EC/OC		Every 6th Day	URG 3000N	POP EXP	URBAN	BASELINE MONITORING		SU 10/4/2009
			STN	SPEC. PM <sub>2.5</sub>		Every 6th Day	METONE SASS	POP EXP	URBAN	TRENDS MONITORING		SU 10/4/2009
			Meteorology			Continuous		POP EXP	URBAN	SUPPORT SASS NETWORK		SU 6/13/1998
Wakulla County												
12-129-0001	St. Marks Wildlife Refuge (NCore Site)	County Rd. 59, St. Marks, FL 32355; 30.092500, -84.161111	SLAMS	CO	1	Continuous	Teledyne T300U	BKGD	URBAN	RURAL NCORE		SU 4/27/2015; Trace Level
			SLAMS	SO <sub>2</sub>	3	Continuous	Teledyne T100U	BKGD	URBAN	RURAL NCORE		SU 1/1/2015; Trace Level
			SLAMS	NO <sub>y</sub>	1	Continuous	Teledyne T200U	BKGD	URBAN	RURAL NCORE		SU 1/1/2015
			SLAMS	Ozone	1	Continuous	Thermo 49i	REGIONAL TRANSPORT	URBAN	NEEDED BY REGULATION		SU 4/13/2001
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	BKGD	URBAN	RURAL NCORE		SU 1/1/2015
				Meteorology		Continuous		BKGD	URBAN	SUPPORT NCORE NETWORK		SU 4/13/2001
METROPOLITAN STATISTICAL AREA: NAPLES - MARCO ISLAND (COLLIER COUNTY)												
Collier County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-021-0004	Laurel Oak Elementary	7800 Immokalee Rd., Naples, FL 34119; 26.270083, -81.710959	SPM	Ozone	1	Continuous	Thermo 49i	POP EXP	URBAN	MONITORING GROWTH IMPACT		SU 9/26/2001
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	URBAN	MONITORING GROWTH IMPACT		SU 3/2/2005
METROPOLITAN STATISTICAL AREA: OCALA (MARION COUNTY)												
Marion County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-083-0003	Ocala - YMCA	3200 SE 17th St., Ocala, FL 34471; 29.170533, -82.100646	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC/ UPWIND BKGD	NBH	MONITORING GROWTH IMPACT		SU 5/27/1998
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1400AB	POP EXP	NBH	USED FOR AQI		SU 11/27/2007
12-083-0004	Marion County Sheriff	692 NW 30th Ave, Ocala, FL 34475; 29.192754, -82.173149	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	NEEDED BY REGULATION		SU 11/8/2000
METROPOLITAN STATISTICAL AREA: GAINESVILLE (ALACHUA AND GILCHRIST COUNTY)												
Alachua County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-001-0023	Millhopper	5400 NW 43rd St., Gainesville, FL 32653; 29.706111, -82.387778	SLAMS	PM <sub>2.5</sub>	1	Every 3rd Day	Thermo/R&P 2025	POP EXP	NBH	TRENDS MONITORING	CLOSE	SU 1/1/1999; SD EXPECTED 6/30/2019
			SLAMS	PM <sub>2.5</sub>	2	Every 12th Day	Thermo/R&P 2025	POP EXP	NBH	COLLOCATED	CLOSE	SU 1/6/1999; Collocated monitor; SD EXPECTED 6/30/2019
12-001-3012	Paynes Prairie Farm	9300 CR 234, Micanopy, FL 32667; 29.56615, -82.266066	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	URBAN	NEEDED BY REGULATION		SU 12/17/2016
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1400AB	HI CONC/ POP EXP	NBH	USED FOR AQI	REPLACED BY FEM	SU 12/17/2016; SD 8/7/2018
			SLAMS	PM <sub>2.5</sub>	3	Continuous	Teledyne T640	POP EXP	NBH	NEEDED BY REGULATION	ADD	SU 1/1/2019; FEM
			SLAMS	PM <sub>2.5</sub>	4	Continuous	Teledyne T640	POP EXP	NBH	QA COLLOCATION	ADD	SU 1/1/2019; FEM; Collocated Monitor
METROPOLITAN STATISTICAL AREA: FORT WALTON BEACH - CRESTVIEW - DESTIN (OKALOOSA COUNTY)												
Okaloosa County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-091-0002	Fort Walton Beach	720 Lovejoy Rd., Ft. Walton Beach, FL 32548; 30.426533, -86.666217	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	URBAN	NEEDED BY REGULATION		SU 12/4/2008
			SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP	URBAN	USED FOR AQI		SU 1/30/2013

METROPOLITAN STATISTICAL AREA: PANAMA CITY - LYNN HAVEN (BAY COUNTY)												
Bay County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-005-0006	St. Andrews State Park	4607 State Park Lane, Panama City, FL 32408; 30.130433, -85.731517	SLAMS	Ozone	1	Continuous	Thermo 49i	HI CONC	NBH	NEEDED BY REGULATION		SU 7/13/2000
			SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	USED FOR AQI		SU 2/27/2009
METROPOLITAN STATISTICAL AREA - SEBRING (HIGHLANDS COUNTY)												
Highlands County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-055-0003	Archbold Biological Station	123 Main Dr., Venus, FL 33960; 27.189215, -81.340350	SPM	Ozone	1	Continuous	Thermo 49i	HI CONC/ GEN BKGD	REGIONAL	REGIONAL BACKGROUND		SU 6/14/2001
MICROPOLITAN STATISTICAL AREA: PALATKA (PUTNAM COUNTY)												
Putnam County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-107-1008	Palatka Barge Port	188 Comfort Rd., Palatka, FL 32177; 29.687748, -81.656509	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	NBH	SOURCE MONITORING		SU 8/15/1991
			SLAMS	PM <sub>10</sub>	3	Continuous	Thermo 1405	POP EXP/ SOURCE	NBH	SOURCE MONITORING		SU 12/13/2002
MICROPOLITAN STATISTICAL AREA: LAKE CITY (COLUMBIA COUNTY)												
Columbia County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-023-0002	Lake City - Veterans Domicile	751 SE Sycamore Terrace, Lake City, FL 32025; 30.178056, -82.619167	SLAMS	Ozone	1	Continuous	Thermo 49i	POP EXP	NBH	MONITOR IMPACT OF HIGH TRAFFIC		SU 11/1/2000
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	RURAL MONITORING		SU 5/17/2007
MICROPOLITAN STATISTICAL AREA: HOMOSASSA SPRINGS (CITRUS COUNTY)												
Citrus County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-017-0006	Crystal River Preserve	13450 W. Power Line Rd., Crystal River, FL 34428; 28.958644, -82.642965	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	NBH	NEEDED BY REGULATION		SU 12/13/2013
			SPM	PM <sub>2.5</sub>	1	Continuous	Thermo 1405	POP EXP	NBH	RURAL MONITORING		SU 12/7/2015
NOT IN A METROPOLITAN STATISTICAL AREA												
Holmes County												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-059-0004	Bonifay Tri-County Airport	1976 Tri County Airport Rd., Bonifay, FL 32425; 30.848611, -85.603889	SPM	Ozone	1	Continuous	Thermo 49i	POP EXP	REGIONAL	REGIONAL BACKGROUND		SU 9/1/1996
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	POP EXP	NBH	REGIONAL BACKGROUND		SU 6/14/2007
Hamilton County												
12-047-0015	White Springs	Southeast CR 137, White Springs, FL 32096; 30.426363, -82.794841	SLAMS	SO <sub>2</sub>	1	Continuous	Thermo 43i	SOURCE	MIDDLE	SOURCE MONITORING		SU 9/18/1982
			SPM	PM <sub>2.5</sub>	3	Continuous	Thermo 1405	SOURCE	NBH	RURAL MONITORING		SU 5/17/2007
IMPROVE NETWORK												
AQS #	SITE NAME	ADDRESS/COORDINATES	TYPE	POLLUTANT	POC	OPERATING SCHEDULE	SAMPLER	MONITORING OBJECTIVE	SPATIAL SCALE	STATEMENT OF PURPOSE	MODIFICATIONS	COMMENTS
12-129-0001	St. Marks Wildlife Refuge	County Rd. 59, St. Marks, FL 32355; 30.092500, -84.161111	SPM	PM <sub>2.5</sub>		Every 3rd Day	IMPROVE	BKGD	URBAN	NEEDED BY REGULATION		SU 2000
12-017-9000	Chassahowitzka National Wildlife Refuge	S Timber Pines Ave., Homosassa, FL 34448; 28.7486, -82.5551	SPM	PM <sub>2.5</sub>		Every 3rd Day	IMPROVE	TRANSPORT	URBAN	NEEDED BY REGULATION		SU 1993
12-086-0030	Everglades National Park	Everglades National Park, FL	SPM	PM <sub>2.5</sub>		Every 3rd Day	IMPROVE	BKGD	URBAN	NEEDED BY REGULATION		SU 1988

**List of Abbreviations:**

AQI	Air Quality Index
BKGD	Background
CO	Carbon Monoxide
CSN	Chemical Speciation Network
EC/OC	Elemental Carbon/Organic Carbon
FRM	Federal Reference Method
GEN BKGD	General Background
HI CONC	High Concentration
MET	Implies that wind speed and wind direction instruments
NAMS	National Air Monitoring Stations
NBH	Neighborhood
NCORE	National Core
NO <sub>2</sub>	Nitrogen Dioxide
NON-REG	Non-regulatory Monitoring
POP EXP	Population Exposure
PM <sub>2.5</sub>	Particulate matter with aerodynamic diameter of 2.5 micrometers
PM <sub>10</sub>	Particulate matter with aerodynamic diameter of 10 micrometers
SLAMS	State and Local Air Monitoring Stations
SO <sub>2</sub>	Sulfur Dioxide
SPM	Special Purpose Monitors
SPEC. PM <sub>2.5</sub>	Supplemental PM <sub>2.5</sub> Speciation
SD	Shut Down
SU	Set Up
STN	Speciation Trends Network
UFP	Ultra Fine Particle
VOC	Volatile Organic Compound

## APPENDIX D: AMBIENT AIR MONITORING INVENTORY

EPA requires an evaluation of the agency's ambient monitors and auxiliary support equipment. The condition of inventory should be categorized as "Good," "Fair" or "Poor," and indicate equipment not in everyday use (e.g. spare or back-up). The ambient monitoring equipment inventories for Florida's monitoring agencies are provided below.

Broward County									
Property /Identification No.	Manufacturer and Model No.	Description	Location	Serial No.	Acquisition Date	Age	Initial Cost	Condition	Status
N/A	ESC 8832	Data Logger	Vista View	A3855K	9/25/2012	7	\$6,350.00	Good	Active
N/A	MetOne BAM-1020	PM2.5 Analyzer	Vista View	P16733	8/19/2013	6	\$16,633.00	Good	Active
N/A	RM Yound Wind Speed/Wind Dir	Wind Instrument	Vista View	146400	1/30/2007	12	\$2,008.17	Good	Active
N/A	RM Young T/RH Sensor	T/RH	Vista View	2047	12/19/2011	7	\$1,061.50	Good	Active
N/A	Thermo 49i	Ozone Analyzer	Vista View	CM09080044	4/8/2009	10	\$7,533.50	Good	Active
N/A	Thermo 49i	Ozone Analyzer	Vista View	CM07340001	9/21/2007	12	\$7,681.50	Poor	Inactive
N/A	Thermo 49i-PS	Ozone Calibrator	Vista View	727625034	9/21/2007	12	\$10,812.50	Good	Active
N/A	Thermo 49iQ	Ozone Analyzer	Vista View	1173380012	3/15/2018	1	\$14,215.22	Good	Back-Up
N/A	ATEC	VOC Sampler	Daniela Banu	6470	4/6/2017	2	\$13,650.00	Good	Active
308796	ESC 8832	Datalogger	Daniela Banu	A3856K	9/25/2012	7	\$6,350.00	Good	Active
N/A	MetOne E-BAMS Plus	PM10 Analyzer	Daniela Banu	W20769	10/4/2017	2	\$10,157.70	Good	Active
N/A	RM Yound Wind Speed/Wind Dir	Wind Instrument	Daniela Banu	154837	10/4/2017	2	\$1,642.00	Good	Inactive
N/A	Super SASS	CSN Network Super SASS Monitor	Daniela Banu	N9188	6/22/2012	7	\$13,695.50	Good	Active
N/A	Teledyne 701H	Zero Air Generator	Daniela Banu	284	2/7/2012	7	\$6,971.70	Good	Active
N/A	Teledyne T700U	Dilution Calibrator	Daniela Banu	57	1/25/2011	8	\$18,996.00	Good	Active
N/A	Thermo 5014i	PM2.5 Analyzer	Daniela Banu	CM14191003	9/18/2013	6	\$20,365.00	Good	Active
311329	Thermo 2025i	PM2.5 Sampler	Daniela Banu	20262	8/17/2012	7	\$14,373.50	Good	Active
N/A	Thermo 2025i	PM2.5 Sampler	Daniela Banu	20450	9/16/2013	6	\$14,373.50	Good	Active
N/A	Thermo 2025i	PM10 Sampler	Daniela Banu	20451	9/16/2013	6	\$13,967.85	Good	Active
322918	Thermo 42i-Y	NOy Analyzer	Daniela Banu	1160570008	9/8/2016	3	\$28,243.09	Good	Active

N/A	Thermo 43i-TLE	SO2 Trace Analyzer	Daniela Banu	1171790011	8/1/2017	2	\$16,946.77	Good	Active
N/A	Thermo 48C-TLE	CO Trace Analyzer	Daniela Banu	05150711728	9/22/2005	14	\$11,655.02	Good	Active
310340	Thermo 49i	Ozone Analyzer	Daniela Banu	1113748257	5/17/2011	8	\$8,112.00	Good	Active
310341	Thermo 49i-PS	Ozone Calibrator	Daniela Banu	1113748258	5/17/2011	8	\$11,194.00	Good	Active
296246	Thermo 49i-PS	Ozone Calibrator	Daniela Banu	727625035	9/21/2007	12	\$10,812.50	Good	Back-Up
310131	Tisch TE-6070V	PM10 Sampler	Daniela Banu	1783	1/20/2011	8	\$6,366.00	Good	Inactive
310130	Tisch TE-6070V	PM10 Sampler	Daniela Banu	2231	8/2/2012	7	\$7,368.00	Good	Inactive
EPA Supplied	URG	CSN Network URG Monitor	Daniela Banu	B0580	1/1/2008	11	\$0.00	Good	Active
N/A	Thermo 49iQ	Ozone Analyzer	Daniela Banu	1173380011	3/15/2018	1	\$14,215.22	Good	Back-Up
N/A	ESC 8832	Data Logger	Fort Lauderdale Near-road	A4462K	8/9/2013	6	\$7,910.00	Good	Active
N/A	R. M. Young 81000	Sonic Anemometer	Fort Lauderdale Near-road	1759	2/24/2012	7	\$2,606.50	Good	Inactive
EPA Supplied	R. M. Young 81000	Sonic Anemometer	Fort Lauderdale Near-road	3485	9/1/2010	9	\$0.00	Good	Inactive
N/A	Teledyne 633	Aethalometer	Fort Lauderdale Near-road	AE33-S01-00115	5/17/2012	7	\$21,997.00	Good	Active
N/A	Teledyne 701H	Zero Air Generator	Fort Lauderdale Near-road	569	5/22/2017	2	\$7,210.00	Good	Active
N/A	Teledyne T200UP	NO2 Trace Analyzer	Fort Lauderdale Near-road	60	6/9/2012	7	\$25,119.80	Good	Active
N/A	Teledyne T700U	Dilution Calibrator	Fort Lauderdale Near-road	85	5/14/2015	4	\$20,888.10	Good	Active
N/A	Thermo 5014i	PM2.5 Analyzer	Fort Lauderdale Near-road	CM14481011	11/5/2014	5	\$19,927.31	Good	Active
N/A	Thermo 48i-TLE	CO Trace Analyzer	Fort Lauderdale Near-road	120475128	5/16/2012	7	\$8,697.00	Good	Active
N/A	TSI UFP3031	Ultrafine Sampler	Fort Lauderdale Near-road	3301202404	10/3/2012	7	\$61,295.00	Good	Active
N/A	ESC 8832	Data Logger	Pompano Highlands	2372	6/1/2012	7	\$7,920.00	Good	Active
N/A	RM Yound Wind Speed/Wind Dir	Wind Instrument	Pompano Highlands	154836	5/31/2017	2	\$1,462.00	Good	Active

N/A	Thermo 49i	Ozone Analyzer	Pompano Highlands	CM07340004	9/24/2007	12	\$7,681.50	Good	Active
N/A	Thermo 49i-PS	Ozone Calibrator	Pompano Highlands	824931779	9/1/2012	5	\$0.00	Good	Active
N/A	Thermo Partisol Plus 2025	PM2.5 Sampler	Pompano Highlands	22704	3/18/2011	8	\$12,900.00	Poor	Inactive
N/A	Thermo Partisol Plus 2025	PM2.5 Sampler	Pompano Highlands	22735	6/2/2013	6	\$13,637.80	Good	Active
N/A	Teledyne T640	PM2.5 Analyzer	Pompano Highlands	448	9/1/2018	1	\$23,447.00	Good	Active
N/A	Thermo 49iQ	Ozone Analyzer	Pompano Highlands	1173380010	3/15/2018	1	\$14,215.22	Good	Back-Up
N/A	Thermo 2025i	PM2.5 Sampler	Coconut Creek	20760	3/2/2015	4	\$15,869.97	Good	Active
N/A	Teledyne T640	PM2.5 Analyzer	Coconut Creek	449	9/1/2018	1	\$29,455.00	Good	Active
N/A	MetOne E-BAMS Plus	PM10 Analyzer	Coconut Creek	W207XX	10/4/2017	2	\$10,157.70	Good	Active
311500	ESC 8832	Data Logger	Dr. Von Mizell-Eula Johnson State Park	A4205K	9/25/2012	7	\$6,350.00	Good	Active
N/A	Teledyne T700U	Calibrator	Dr. Von Mizell-Eula Johnson State Park	387	5/22/2017	2	\$22,987.90	Good	Active
310908	Teledyne 701H	Zero Air Generator (spare)	Dr. Von Mizell-Eula Johnson State Park	536	5/14/2015	4	\$5,932.50	Good	Active
N/A	Thermo 42i	NO2 Analyzer	Dr. Von Mizell-Eula Johnson State Park	1170960054	5/8/2017	2	\$18,032.82	Good	Active
U of Mich. A555472	Thermo 49i	Ozone Analyzer	Dr. Von Mizell-Eula Johnson State Park	CM08320015	9/1/2012	7	N/A	Good	Active
N/A	Thermo 49i-PS	Ozone Calibrator	Dr. Von Mizell-Eula Johnson State Park	1150770008	3/2/2015	4	\$13,333.51	Good	Active
N/A	Thermo 49iQ	Ozone Analyzer	LAB	1173380013	3/15/2018	1	\$14,215.22	Good	Back-Up
FDEP supplied	ESC 8832	Data Logger	LAB	A0603	3/24/2016	3	N/A	Good	Back-Up
FDEP supplied	ESC 8832	Data Logger	LAB	A1289	3/24/2016	3	N/A	Good	Back-Up
FDEP supplied	ESC 8832	Data Logger	LAB	A4773K	3/24/2016	3	N/A	Good	Back-Up

N/A	ESC 8832	Data Logger	LAB	A4206K	9/25/2012	7	\$6,350.00	Good	Back-Up
N/A	ESC 8832	Data Logger	LAB	A4296K	9/25/2012	7	\$7,910.00	Good	Back-Up
N/A	Teledyne 701H	Zero Air Generator	LAB	441	12/31/2018	0	\$7,340.00	Good	Back-Up
N/A	Thermo 5014i	PM2.5 Analyzer	LAB	CM16361010	10/14/2016	3	\$22,046.67	Good	Back-Up
N/A	Thermo 42i-Y-TLE	NOy Trace Analyzer	LAB	1171790012	8/21/2017	2	\$32,736.72	Good	Back-Up
N/A	Thermo 42i	NO2 Analyzer	LAB	1163620012	10/1/2016	3	\$17,700.47	Good	Back-Up
N/A	Thermo 42i	NO2 Analyzer	LAB	CM08260030	8/6/2008	11	\$10,925.00	Good	Back-Up
N/A	Thermo 43i-TLE	SO2 Trace Analyzer	LAB	1428862875	10/10/2014	5	\$13,377.58	Good	Back-Up
N/A	Thermo 49i-PS	Ozone Calibrator	LAB	1172300029	9/19/2017	2	\$16,357.31	Good	Back-Up
N/A	MetOne E-BAMS Plus	Continuous PM10	LAB	W20762	10/4/2017	2	\$10,157.70	Good	Back-Up
N/A	Tisch TE-6070V	PM10 Sampler	LAB	1782	1/20/2011	8	\$6,366.00	Good	Back-Up
N/A	R&P TEOM 1400AB	Continuous PM2.5	LAB	140AB267250705	6/18/2007	12	\$18,525.00	Good	Back-Up
310233	Thermo 146i	Multigas Calibrator	LAB	1107747755	6/13/2011	8	\$12,721.25	Good	Back-Up
N/A	Thermo 146i	Multigas Calibrator	LAB	1107747756	6/13/2011	8	\$12,721.25	Good	Back-Up
N/A	Thermo 48i-TLE	CO Trace Analyzer	LAB	1170960053	5/11/2017	2	\$15,616.24	Good	Back-Up
322942	Vaisala WXT530	Weather Transmitter	LAB	M3410127	8/24/2016	3	\$3,208.00	Good	Inactive
N/A	Teledyne T100	SO2 Analyzer	LAB	795	6/1/2013	6	\$10,240.00	Poor	Inactive
N/A	Teledyne T100	SO2 Analyzer	LAB	114	4/20/2014	5	N/A	Fair	Inactive
N/A	Teledyne T300	CO Analyzer	LAB	720	6/1/2013	6	\$10,370.00	Good	Inactive
258827	Thermo 111	Zero Air Set	LAB	111-66974-354	12/6/2000	18	\$2,853.00	Good	Inactive
291694	Thermo 111	Zero Air Supply	LAB	619317347	5/14/2011	8	\$3,483.00	Good	Inactive
N/A	Thermo 48i-TLE	CO Trace Analyzer	LAB	824931783	9/1/2012	7	N/A	Poor	Inactive
N/A	Thermo 48C	CO Analyzer	STORAGE	32680149	N/A	N/A	N/A	Fair	Inactive
N/A	Thermo 48C	CO Analyzer	STORAGE	48C-0515711729	N/A	N/A	N/A	Fair	Inactive
N/A	Thermo 49C	Ozone Analyzer	STORAGE	49CPS-7569-379	N/A	N/A	N/A	Fair	Inactive
N/A	Thermo 42C-Y	NOy Trace Analyzer	STORAGE	42CY-70622-366	9/1/2012	7	N/A	Fair	Inactive
N/A	Thermo 146C	Calibrator	LAB	619317386	7/5/2006	13	\$7,924.50	Poor	Inactive

**City of Jacksonville**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
195340	Enviroics 6100	Calibrator	Kooker Park	5736	2008	10	N/A	Good	Active
189416	Enviroics 6100	Calibrator	Cedar Bay	4776	2010	8	\$8,775.00	Good	Active
197212	Thermo 2025i	Sampler	Kooker Park	2025i206831409	2014	4	\$16,361.25	Good	Inactive
2002640	Thermo 42i	Analyzer	Kooker Park	1170310010	N/A	N/A	N/A	Good	Active
2002641	Thermo 43i	Analyzer	Kooker Park	1170310008	N/A	N/A	N/A	Good	Active
183820	Agilaire 8832	Data Logger	Kooker Park	A1943	2004	14	N/A	Good	Active
N/A	Agilaire 8872	Data Logger	Kooker Park	8872_0842	2018	N/A	\$7,911.22	Good	Active
172646	Computer	Computer	Kooker Park	KCBX2R7	N/A	N/A	N/A	Fair	Active
199822	Thermo 1405	Sampler PM10	Kooker Park	1405A235831603	2016	8	\$16,890.13	Good	Active
N/A	Thermo 1405	Sampler PM2.5	Kooker Park	1405A236021603	N/A	N/A	N/A	Good	Active
N/A	ThinkVision Monitor	Monitor	Kooker Park	8894881	N/A	N/A	N/A	Fair	Back-Up
138479	Trailer	Trailer	Kooker Park	N/A	1991	27	\$3,697.90	Poor	Inactive
N/A	CAS Cargo Container	Shelter	Kooker Park	N/A	2018	1	\$85,852.38	Good	Active
N/A	Thermo 49i	Analyzer	Sheffield Elementary	1170480025	N/A	N/A	N/A	Good	Active
186857	Thermo 49iPS	Analyzer	Sheffield Elementary	CM09040078	2009	9	\$6,978.40	Good	Active
172529	Agilaire 8832	Data Logger	Sheffield Elementary	A0541	2004	14	N/A	Good	Inactive
N/A	Agilaire 8872	Data Logger	Sheffield Elementary	8872_0850	2018	N/A	\$7,911.22	Good	Active
172513	Computer	Computer	Sheffield Elementary	KCRR91M	N/A	N/A	N/A	Fair	Active
N/A	Thermo 1405	Sampler	Sheffield Elementary	1405A230661501	2015	3	\$17,075.00	Good	Active
168912	Trailer	Trailer	Sheffield Elementary	N/A	N/A	N/A	N/A	Poor	Active
182786	Enviroics 6100	Calibrator	Cedar Bay	3887	N/A	N/A	N/A	Fair	Active
N/A	Teledyne	Zero Air Gen	Cedar Bay	5931	2017	1	\$5,236.22	Good	Active
180789	Thermo 43i	Analyzer	Cedar Bay	611616471	2006	12	N/A	Good	Active
N/A	Agilaire 8832	Data Logger	Cedar Bay	A0538	2004	14	N/A	Good	Active
N/A	Agilaire 8872	Data Logger	Cedar Bay	8872_0848	2018	N/A	\$7,911.22	Good	Active



172512	Computer - IBM	Computer	Cedar Bay	KCRZ00A	N/A	N/A	N/A	Fair	Active
144808	Trailer	Trailer	Cedar Bay	N/A	1994	24	\$4,643.20	Poor	Active
197213	Thermo 2025i	Sampler	Mandarin Rd	2025i206911409	2014	4	\$16,361.25	Good	Active
171778	Agilaire 8832	Data Logger	Mandarin Rd	A0543	2004	14	N/A	Good	Inactive
N/A	Agilaire 8872	Data Logger	Mandarin Rd	8872_0851	2018	N/A	\$7,911.22	Good	Active
171778	Enclosure	Enclosure	Mandarin Rd	343G-10 (COJ# from inventory)	N/A	N/A	N/A	Fair	Inactive
171777	TEOM 1400AB	Sampler	Mandarin Rd	140AB245050303	N/A	N/A	N/A	Good	Inactive
N/A	Thermo 1405	Sampler	Mandarin Rd	1405A241581808	N/A	N/A	N/A	Good	Active
N/A	Trailer	Trailer	Mandarin Rd	N/A	N/A	N/A	N/A	Poor	Active
N/A	Teledyne	T640X	Mandarin Rd	N/A	N/A	N/A	N/A	N/A	Inactive
197211	Thermo 2025i	Sampler	Sunny Acres	20251206891409	2014	4	\$16,361.25	Good	Active
197694	Thermo 2025i	Sampler	Sunny Acres	20251W207931504	2015	3	\$17,050.77	Good	Active
2002639	Thermo 49i	Analyzer	Mayo	611616471	N/A	N/A	N/A	Good	Active
186858	Thermo 49iPS	Analyzer	Mayo	0908935366	2009	9	\$9,416.00	Good	Active
183819	Agilaire 8832	Data Logger	Mayo	A1942	2004	14	N/A	Good	Inactive
N/A	Agilaire 8872	Data Logger	Mayo	8872_0845	2018	N/A	\$7,911.22	Good	Active
172648	Computer	Computer	Mayo	KCTA57T	N/A	N/A	N/A	Fair	Active
2002360	Teledyne	Zero Air Gen	Mayo	5874	2017	1	\$5,236.22	Good	Active
199823	Thermo 1405	Sampler	Mayo	1405A235821603	2016	8	\$16,890.13	Good	Active
153455	Trailer	Trailer	Mayo	N/A	N/A	N/A	N/A	Poor	Active
186648	Thermo 111	Zero Air Gen	Cisco Dr	907935555	2009	9	\$3,334.17	Good	Active
197158	Thermo 49i	Analyzer	Cisco Dr	1430863374	2015	3	\$9,640.00	Good	Active
N/A	Thermo 49iPS	Analyzer	Cisco Dr	1430863375	2015	3	N/A	Good	Active
172525	Agilaire 8832	Data Logger	Cisco Dr	A0547	2004	14	N/A	Good	Active
N/A	Agilaire 8872	Data Logger	Mayo	8872_0849	2018		\$7,911.22	Good	Active
N/A	Computer - Dell OptiPlex	Computer	Cisco Dr	79NP1B1	N/A	N/A	N/A	Fair	Active
184190	Trailer	Trailer	Cisco Dr	N/A	2009	9	\$5,191.10	Good	Active
184538	Enviroics 6100	Calibrator	Lab	4306	N/A	N/A	N/A	Fair	Active
N/A	Thermo 42i	Analyzer	Pepsi Place	1170310009	N/A	N/A	N/A	Good	Active
195338	Thermo 48i	Analyzer	Pepsi Place	1308857434	2014	4	\$12,467.00	Good	Active
197615	Thermo 5014i	Sampler	Pepsi Place	CM14501004	2015	3	\$16,880.00	Good	Active
195342	Thermo 701H	Zero Air Gen	Pepsi Place	753	N/A	N/A	N/A	Good	Active

195341	Agilaire 8832	Data Logger	Pepsi Place	A4688K	2014	4	N/A	Good	Active
N/A	Agilaire 8872	Data Logger	Pepsi Place	8872_0844	2018	N/A	\$7,911.22	Good	Active
184695	Computer - Dell Latitude D630	Computer	Pepsi Place	BPVYZF1	N/A	N/A	N/A	Fair	Active
195345	Computer Rack	Rack	Pepsi Place	N/A	N/A	N/A	N/A	Good	Active
195346	Computer Rack	Rack	Pepsi Place	N/A	N/A	N/A	N/A	Good	Active
184695	Laptop - ThinkPad PPL	Computer	Pepsi Place	BPVYZF1	N/A	N/A	N/A	Fair	Active
195344	Met Sensor	Met Sensor	Pepsi Place	N/A	N/A	N/A	N/A	Fair	Active
195347	Met Tower	Met Tower	Pepsi Place	N/A	N/A	N/A	N/A	Fair	Active
195343	Trailer	Trailer	Pepsi Place	N/A	N/A	N/A	N/A	Good	Active
N/A	Teledyne T640	T640	Pepsi Place	N/A	2019	N/A	\$23,987.00	Poor	Inactive
167681	Computer - Dell 1400	Computer	Cubicle	N/A	N/A	N/A	N/A	Fair	Active
162147	Computer - Dell XPS R400	Computer	Cubicle	GDKR0	N/A	N/A	N/A	Fair	Active
180783	Computer - Think Centre	Computer	Cubicle	LKKL5G	N/A	N/A	N/A	Fair	Active
177084	HP Laser Jet 2430drn	Printer	Cubicle	N/A	N/A	N/A	N/A	Fair	Back-Up
N/A	Laptop - ThinkPad (Alvin)	Computer	Cubicle	R9-EBZK1	N/A	N/A	N/A	Fair	Active
105038	Olfactometer	Olfactometer	File Room	N/A	N/A	N/A	N/A	Poor	Back-Up
105039	Olfactometer	Olfactometer	File Room	N/A	N/A	N/A	N/A	Poor	Back-Up
189417	Enviroics 6100	Calibrator	Lab	4775	2010	8	\$8,775.00	Fair	Back-Up
197600	Enviroics 6100	Calibrator	Lab	6508	2015	3	\$8,887.50	Fair	Back-Up
182787	Enviroics 6100	Calibrator	Lab	3886	N/A	N/A	N/A	Fair	Back-Up
189416	Enviroics 6100	Calibrator	Lab	4776	2010	8	\$8,775.00	Good	Back-Up
2002229	Enviroics 6100	Calibrator	Pepsi Place	7585	2017	1	N/A	Good	Back-Up
184536	Enviroics 6100	Calibrator	Lab	4312	N/A	N/A	N/A	Fair	Back-Up
197599	Enviroics 6100	Calibrator	Lab	6509	2015	3	\$8,887.50	Fair	Back-Up
183596	2025	Sampler	Lab	2025B219720706	N/A	N/A	N/A	Fair	Back-Up
188994	Thermo 42i	Analyzer	Lab	0817630890	2010	8	\$11,304.56	Fair	Back-Up
N/A	Thermo 42i	Analyzer	Lab	1015241586	N/A	N/A	N/A	Fair	Back-Up
195337	Thermo 42i	Analyzer	Lab	1327059041	N/A	N/A	N/A	Good	Back-Up
172824	Thermo 43C	Analyzer	Lab	0421007303	N/A	N/A	N/A	Poor	Back-Up
175613	Thermo 43C	Analyzer	Lab	0436610194	N/A	N/A	N/A	Fair	Back-Up

184697	Thermo 43C	Analyzer	Lab	43C-75636-380	N/A	N/A	N/A	Fair	Back-Up
176660	Thermo 43i	Analyzer	Lab	0520811801	N/A	N/A	N/A	Fair	Back-Up
179549	Thermo 43i	Analyzer	Lab	0600914730	N/A	N/A	N/A	Fair	Back-Up
193321	Thermo 43i	Analyzer	Lab	1225154501	2012	6	\$10,967.50	Poor	Back-Up
197214	Thermo 43i	Analyzer	Lab	1436363426	2014	4	\$12,457.00	Good	Back-Up
167934	Thermo 48C	Analyzer	Lab	48C-67479-356	N/A	N/A	N/A	Good	Back-Up
167932	Thermo 48C	Analyzer	Lab	48C-67941-356	N/A	N/A	N/A	Fair	Back-Up
167935	Thermo 48C	Analyzer	Lab	48C-67941-359	2001	17	\$8,559.00	Poor	Back-Up
N/A	Thermo Trace 48C	Analyzer	Lab	48CTL-67186-356	N/A	N/A	N/A	Fair	Back-Up
180679	Thermo 48i	Analyzer	Lab	0611616470	N/A	N/A	N/A	Fair	Back-Up
193160	Thermo 48i	Analyzer	Lab	1216753230	N/A	N/A	N/A	Fair	Back-Up
197215	Thermo 48i	Analyzer	Lab	1436363425	2014	4	\$12,467.00	Poor	Back-Up
199824	Thermo 48i	Analyzer	Lab	11606000006	2016	8	\$12,785.75	Good	Back-Up
174139	Thermo 49C	Analyzer	Lab	423707710	2004	14	\$6,354.00	Fair	Back-Up
174138	Thermo 49C	Analyzer	Lab	0423707712	2004	14	\$6,354.00	Fair	Back-Up
174133	Thermo 49C PS	Analyzer	Lab	0423707707	2004	14	\$8,127.00	Fair	Back-Up
180678	Thermo 49i	Analyzer	Lab	0611616471	N/A	N/A	N/A	Fair	Back-Up
186855	Thermo 49i	Analyzer	Lab	CM09040077	2009	9	\$6,978.40	Fair	Back-Up
186856	Thermo 49i	Analyzer	Lab	CM09040078	2009	9	\$6,978.40	Fair	Back-Up
138481	Thermo 49iPS	Analyzer	Lab	1225154500	2012	6	\$11,233.50	Fair	Back-Up
195339	Thermo 5014i	Sampler	Lab	CM13351001	2014	4	\$15,213.66	Fair	Back-Up
172516	Agilaire 8832	Data Logger	Lab	A0540	N/A	N/A	N/A	Fair	Back-Up
N/A	Agilaire 8832	Data Logger	Lab	A0542	N/A	N/A	N/A	Fair	Back-Up
172526	Agilaire 8832	Data Logger	Lab	A0544	N/A	N/A	N/A	Fair	Back-Up
172517	Agilaire 8832	Data Logger	Lab	A0545	N/A	N/A	N/A	Fair	Back-Up
172518	Agilaire 8832	Data Logger	Lab	A0546	N/A	N/A	N/A	Fair	Good
172528	Agilaire 8832	Data Logger	Lab	A0549	N/A	N/A	N/A	Fair	Good
172527	Agilaire 8832	Data Logger	Lab	A0548	N/A	N/A	N/A	Fair	Back-Up
172524	Agilaire 8832	Data Logger	Lab	A0587	N/A	N/A	N/A	Fair	Back-Up
184118	Definer 220 H	Flow Standard	Lab	112786	N/A	N/A	N/A	Good	Active
65951	Dial-A-Volt	Voltage Supply	Lab	802	N/A	N/A	N/A	Good	Active
167292	HP Laser Jet 2100	Printer	Lab	USGZ182467	N/A	N/A	N/A	Fair	Back-Up
164189	HP Laser Jet 2101	Printer	Lab	N/A	N/A	N/A	N/A	Fair	Back-Up

173297	IBM - ThinkPad		Lab	99-RZNFH	N/A	N/A	N/A	Fair	Active
162935	Manometer	Manometer	Lab	11MN02	N/A	N/A	N/A	Fair	Back-Up
186859	N/A	Air Compressor	Lab	N/A	2009	9	\$1,225.17	Fair	Back-Up
106278	N/A	Balance	Lab	3411155	N/A	N/A	N/A	Poor	Inactive
189418	6103 Calibrator	O3 PS - 6103	Lab	4781	N/A	N/A	N/A	Fair	Back-Up
N/A	Opti Plex 780	Opti Plex 780	Lab	CCFVVN1	N/A	N/A	N/A	Fair	Active
171440	Sonic Anemometer	Sonic Anemometer	Lab	N/A	N/A	N/A	N/A	Poor	Back-Up
171441	Sonic Anemometer	Sonic Anemometer	Lab	N/A	N/A	N/A	N/A	Poor	Back-Up
171442	Sonic Anemometer	Sonic Anemometer	Lab	N/A	N/A	N/A	N/A	Poor	Back-Up
116737	Supply Cabinet - metal	Supply Cabinet - metal	Lab	N/A	N/A	N/A	N/A	Fair	Active
186647	Thermo 111	Zero Air Gen	Lab	N/A	N/A	N/A	N/A	Fair	Back-Up
N/A	Thermo 1400AB	Sampler	Lab	140AB267240705	N/A	N/A	N/A	Fair	Back-Up
188469	Thermo 1400AB	Sampler	Lab	140AB275771001	N/A	N/A	N/A	Fair	Back-Up
N/A	Thermo 1400AB	Sampler	Lab	140AB267570706	N/A	N/A	N/A	Fair	Back-Up
171776	Thermo 1400AB	Sampler	Lab	140AB245080303	N/A	N/A	N/A	Fair	Back-Up
125742	Toxgard - CO Monitor	Monitor	Lab	N/A	N/A	N/A	N/A	Fair	Active
144535	Toxgard - CO Monitor	Monitor	Lab	N/A	N/A	N/A	N/A	Fair	Active
144809	Trailer	Trailer	Water lab (temp)	N/A	1994	24	\$4,643.20	Poor	Inactive
199821	Thermo 1405	Sampler	Sheffield Elementary	1405A235821603	2016	8	\$16,890.13	Good	Back-Up
2002228	EnviroNics 6100	Calibrator	Lab	7586	2017	1	N/A	Good	Active
2002637	Thermo 43i	Analyzer	Cedar Bay	1170310006	N/A	N/A	N/A	Good	Active
2002638	Thermo 48i	Analyzer	Lab	1170310013	N/A	N/A	N/A	Good	Inactive
189681	Agilaire 8832	Data Logger	Lab	A3937K	2004	14	N/A	Good	Active
N/A	Teledyne	Zero Air Gen	Lab	5876	2017	1	\$5,236.22	Good	Active
172575	Computer IBM	Computer	Lab	KCRR74F	N/A	N/A	N/A	Fair	Active
144537	Toxgard - CO Monitor	Monitor	Lab	N/A	N/A	N/A	N/A	Fair	Active
138480	Trailer	Trailer	Lab	N/A	1991	27	\$3,697.90	Poor	Active

2002230	Enviroics 6100	Calibrator	Roselle & Copeland	7584	2017	1	N/A	Good	Back-Up
N/A	Thermo 48i	Analyzer	Roselle & Copeland	1170310014	N/A	N/A	N/A	Good	Inactive
189680	Agilaire 8832	Data Logger	Roselle & Copeland	A3936K	N/A	N/A	N/A	Good	Inactive
N/A	Teledyne	Zero Air Gen	Roselle & Copeland	5877	2017	1	\$5,236.22	Good	Inactive
197613	Thermo 1405	Sampler	Roselle & Copeland	1405A230821502	2015	3	\$17,075.00	Good	Inactive
144536	Toxgard - CO Monitor	Monitor	Roselle & Copeland	N/A	N/A	N/A	N/A	Fair	Inactive
175935	Trailer	Trailer	Roselle & Copeland	N/A	2005	13	\$5,755.00	Poor	Inactive
187085	Enviroics 6100	Calibrator	Ft. Caroline	4491	2009	9	\$8,775.00	Good	Inactive
N/A	Thermo 43i	Analyzer	Ft. Caroline	1170310007	N/A	N/A	N/A	Good	Inactive
172522	Agilaire 8832	Data Logger	Ft. Caroline	A0586	N/A	N/A	N/A	Good	Inactive
N/A	Computer	Computer	Ft. Caroline	4VGTVN1	N/A	N/A	N/A	Fair	Inactive
153454	Trailer	Trailer	Ft. Caroline	N/A	N/A	N/A	N/A	Poor	Inactive

Florida DEP									
Property /Identification No.	Manufacturer and Model No.	Description	Location	Serial No.	Acquisition Date	Age	Initial Cost	Condition	Status
88409	Wells Cargo	20' WELLS CARGO TRAILER	Olustee Ranger Station	1WC200J1153030266	12/12/1994	24	\$9,074.93	Good	Active
89330	Wells Cargo	20' WELLS CARGO TRAILER	Savannas	N/A	12/12/1994	24	\$9,074.93	Good	Active
89695	Aluma Tower	MET TOWERS	Bonifay Tri-County Airport	N/A	10/20/1994	24	\$1,300.00	Good	Active
89696	Aluma Tower	MET TOWER	Olustee Ranger Station	AT5418F-10-B	10/20/1994	24	\$1,300.00	Good	Active
89697	Aluma Tower	ALUMINUM CRANKUP TOWERS	Savannas	N/A	10/20/1994	24	\$1,300.00	Good	Active
89717	Wells Cargo	20' WELLS CARGO TRAILER DEP3344	Sanford	1WC200J16R3028877	8/15/1994	24	\$9,074.93	Good	Active
89802	Bios	MASS VOLUME FLOW CALIBRATOR	MRAS Shop D101A	B0255	12/17/1994	24	\$3,185.73	Good	Active
89804	Bios	MASS VOLUME FLOW CALIBRATOR DRYCAL	MRAS Shop D101A	B0252	12/17/1994	24	\$3,185.74	Good	Active
90594	Wells Cargo	20' WELLS CARGO TRAILER DEP24124	Daytona - Blind Services	1WC200J10R3029641	8/15/1994	24	\$9,074.93	Good	Active
93279	Aluma Tower	ALUM. CRANKUP TOWER	Ellyson Industrial Park	N/A	9/1/1995	23	\$1,387.99	Good	Active
93280	Aluma Tower	ALUM. CRANKUP TOWER	Paynes Prairie Farm	N/A	9/1/1995	23	\$1,388.00	Good	Active
93281	Aluma Tower	ALUM. CRANKUP TOWER	Bay Oaks Park	N/A	9/1/1995	23	\$1,388.00	Good	Active
93883	Wells Cargo	20' WELLS CARGO TRAILER DEP3344	Paynes Prairie Farm	1WC200J16T3034007	6/21/1996	22	\$9,381.00	Good	Active
93884	Wells Cargo	20' WELLS CARGO TRAILER DEP3344	Cocoa Beach	1WC200J18T3034008	6/21/1996	22	\$9,381.00	Good	Active
99069	Bios	DRYCAL KIT	MRAS Shop D101A	B-678	2/3/1998	21	\$3,638.89	Good	Active
99070	Bios	DRYCAL KIT	MRAS Shop D101A	B-8680	2/3/1998	21	\$3,638.88	Good	Active
99914	Wells Cargo	98 WELLS CARGO TRAILER DEP4132	TCC	1WC200J11W3039118	3/25/1998	21	\$9,930.00	Good	Active
100505	Aluma Tower	MET TOWER	Rotary Park	N/A	11/19/1997	21	\$1,617.35	Good	Active
100506	Aluma Tower	MET TOWER	TCC	N/A	11/19/1997	21	\$1,617.36	Good	Active
100507	Aluma Tower	ALUMINUM CRANKUP TOWER	Ocala - YMCA	AT-71198-102-3	11/19/1997	21	\$1,617.36	Good	Active

103620	Thermo	MODEL 2025 SEQUENTIAL AIR SAMPLER	MRAS Shop D101A	2025A208979810	1/5/1999	20	\$13,489.80	Good	Active
104332	Wells Cargo	1999 WELLS CARGO UTIL TRL DEP4606	Fernandina Beach	1WC200J12X3042742	11/10/1999	19	\$7,660.00	Good	Active
104333	Wells Cargo	1999 WELLS CARGO UTIL TRL DEP4608	White Springs	1WC200J14X3042743	11/10/1999	19	\$7,660.00	Good	Active
104334	Wells Cargo	1999 WELLS CARGO UTILIT TRL DEP4609	Melbourne	1WC200J16X3042744	11/10/1999	19	\$7,660.00	Good	Active
105200	Chinook	STREAMLINE/MANOMETER	MRAS Shop D101A	57-004506-00001	12/14/1999	19	\$1,095.00	Good	Active
105740	Enviroics	MULTI-GAS CALIBRATOR	Standards Lab Room B105	2910	10/23/2002	16	\$11,365.84	Good	Active
106605	Bios	FLOW METER KIT DRYCAL	MRAS Shop D101A	1241	7/31/2002	16	\$3,147.25	Good	Active
106606	Bios	FLOW METER KIT	MRAS Shop D101A	1242	7/31/2002	16	\$3,147.25	Good	Active
106634	Aluma Tower	CRANK-UP TOWER 10M	Melbourne	AT91204-L1-#4	1/28/2000	19	\$1,590.00	Good	Active
106635	Aluma Tower	MET TOWER - test	White Springs	N/A	1/28/2000	19	\$1,590.00	Good	Active
106636	Aluma Tower	MET TOWER	Fernandina Beach	N/A	1/28/2000	19	\$1,590.00	Good	Active
106637	Aluma Tower	CRANK-UP TOWER 10M	Fort Walton Beach	N/A	1/28/2000	19	\$1,590.00	Good	Active
106638	Aluma Tower	MET TOWER	Marion County Sheriff	AT91204-L1-1	1/28/2000	19	\$1,590.00	Good	Active
106639	Aluma Tower	MET TOWER	Clermont	AT91204-L1-#8	1/28/2000	19	\$1,590.00	Good	Active
106640	Aluma Tower	MET TOWER	Lake City	AT-91204-4	1/28/2000	19	\$1,590.00	Good	Active
106642	Aluma Tower	MET TOWER	St. Andrews State Park	AT91204-L1-#9	1/28/2000	19	\$1,590.00	Good	Active
106643	Aluma Tower	MET TOWER	Woodlawn Beach Middle School	N/A	1/28/2000	19	\$1,590.00	Good	Active
106644	Aluma Tower	MET TOWER	San Antonio	N/A	1/28/2000	19	\$1,590.00	Good	Active
106672	Thermo	TEOM 1400A PM-10 MONITOR SYSTEM	Melbourne	140AB227819911	1/13/2000	19	\$18,961.69	Good	Active
106674	Thermo	TEOM PM-10/PM2.5 (SHARPCUT) 2025	MRAS Shop D101A	140AB227859911	1/13/2000	19	\$18,961.67	Good	Active
106801	Bios	FLOW METER KIT DRYCAL STANDARD	MRAS Shop D101A	B936	1/10/2000	19	\$3,261.00	Good	Active
107471	Chinook	FLOW TRANSFER STANDARD FTS	MRAS Shop D101A	991101	11/3/2000	18	\$1,120.00	Good	Active
108995	BGI	AUDIT DEVICE W/TEMPERATURE PROBE	MRAS Shop D101A	000066	12/12/2002	16	\$2,020.00	Good	Active

108997	BGI	AUDIT DEVICE W/TEMPERATURE PROBE	MRAS Shop D101A	000667	12/12/2002	16	\$2,020.00	Good	Active
109126	BGI	AUDIT DEVICE W/TEMPERATURE PROBE	MRAS Shop D101A	000068	12/12/2002	16	\$2,020.00	Good	Active
109177	BGI	AUDIT DEVICE W/TEMPERATURE PROBE	MRAS Shop D101A	N/A	12/12/2002	16	\$2,020.00	Good	Active
109218	Thermo	TEOM 1400A PM10 MONITOR	MRAS Shop D101A	140AB234100012	3/20/2001	18	\$16,975.00	Good	Active
109220	Thermo	TEOM 1400A PM10 MONITOR	MRAS Shop D101A	140AB233280011	3/20/2001	18	\$16,975.00	Good	Active
109632	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	548717	3/22/2001	18	\$1,192.16	Good	Active
109633	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	535908	3/22/2001	18	\$1,192.15	Good	Active
109634	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	535888	3/22/2001	18	\$1,192.15	Good	Active
109635	Chinook	AUDIT FLOW KIT	Standards Lab Room B105	LF-1	3/21/2001	18	\$1,127.50	Good	Active
109636	Chinook	AUDIT FLOW KIT	Standards Lab Room B105	LF-2	3/21/2001	18	\$1,127.50	Good	Active
109637	Chinook	AUDIT FLOW KIT	Standards Lab Room B105	LF-3	3/21/2001	18	\$1,127.50	Good	Active
109638	Chinook	AUDIT FLOW KIT	Standards Lab Room B105	LF-4	3/21/2001	18	\$1,127.50	Good	Active
109727	Ekto	OUTDOOR CABINET	MRAS Shop	3200-13A	3/20/2001	18	\$4,795.00	Good	Active
109912	N/A	GAS ROTARY DRESSER ROOTS ACC TEST	Standards Lab Room B416	0120524	4/3/2001	18	\$2,225.00	Good	Active
110129	Wells Cargo	WELLS CARGO UTILITY TRL DEP5299	Yulee	1WC200E1733049495	2/24/2003	16	\$10,277.00	Good	Active
110689	Aluma Tower	ALUMINUM CRANKUP TOWER W/T-BASE	Archbold Biological Station	N/A	8/27/2001	17	\$1,660.00	Good	Active
110690	Aluma Tower	ALUMINUM CRANKUP TOWER W/T-BASE	Crystal River Preserve	N/A	8/27/2001	17	\$1,660.00	Good	Active
110691	Aluma Tower	ALUMINUM CRANKUP TOWER W/T-BASE	Palatka Barge Port	N/A	8/27/2001	17	\$1,660.00	Good	Active
110946	Thermo	TEOM 1400A PM10 MONITOR	MRAS Shop D101A	140AB235430103	5/8/2001	18	\$19,902.50	Good	Active
111487	Thermo	TEOM 1400A PM10 MONITOR	MRAS Shop D101A	140AB238020110	11/13/2001	17	\$8,497.50	Good	Active
112109	Thermo	TEOM 1400A PM-2.5 MONITOR	Melbourne	14AB239110201	2/7/2002	17	\$17,610.00	Good	Active



112110	Wells Cargo	8X20 WELLSCARGO STORAGE TRL DEP5580	Bonifay Tri-County Airport	1WC200J2223047926	1/22/2002	17	\$10,812.00	Good	Active
113644	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	622964	6/17/2002	16	\$1,190.00	Good	Active
113645	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	658809	6/17/2002	16	\$1,190.00	Good	Active
113646	N/A	GAS PRESSURE REGULATOR	Standards Lab Room B105	658827	6/17/2002	16	\$1,190.00	Good	Active
114162	Thermo	TEOM 1400A PM10 MONITOR	MRAS Shop D101A	140AB242930209	1/6/2003	16	\$17,245.00	Good	Active
114706	EnviroNics	MULTIGAS CALIBRATOR ENVIRONICS 6103	Standards Lab Room B105	3046	2/19/2003	16	\$11,366.63	Good	Active
114707	EnviroNics	CALIBRATOR ENVIRONICS	Standards Lab Room B105	3062	2/19/2003	16	\$11,366.63	Good	Active
115096	EnviroNics	MULTI-GAS CALLIBRATOR SERIES 6103	Standards Lab Room B105	3064	4/14/2003	16	\$11,366.65	Good	Active
115149	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Yulee	N/A	1/6/2003	16	\$2,334.00	Good	Active
115150	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Osceola County Fire Station	N/A	1/6/2003	16	\$2,334.00	Good	Active
115151	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Clermont	202103112	1/6/2003	16	\$2,334.00	Good	Active
115152	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	MRAS Shop D101A	N/A	1/6/2003	16	\$2,334.00	Good	Active
115153	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Palatka Barge Port	N/A	1/6/2003	16	\$2,334.00	Good	Active
115154	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Paynes Prairie Farm	N/A	1/6/2003	16	\$2,334.00	Good	Active
115155	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	MRAS Shop D101A	202103451	1/6/2003	16	\$2,334.00	Good	Active
115156	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	Bay Oaks Park	N/A	1/6/2003	16	\$2,334.00	Good	Active
115157	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	MRAS Shop D101A	N/A	1/6/2003	16	\$2,334.00	Good	Active
115158	Atlantic Scientific	LIGHTENING PROTECTION SYSTEM	TCC	N/A	1/6/2003	16	\$2,334.00	Good	Active
115159	Atlantic Scientific	LIGHTENING PROTECTION SYS	Ellyson Industrial Park	N/A	2/25/2003	16	\$4,599.75	Good	Active
115507	Thermo	TEMO 1400A PM2.5	MRAS Shop D101A	140AB245470304	5/13/2003	16	\$17,660.00	Good	Active
115508	Thermo	TEMO 1400A PM2.5	MRAS Shop D101A	140AB245490304	5/13/2003	16	\$17,660.00	Good	Active

116105	Teledyne	AIR MASS FLOW CONTROLLER	Standards Lab Room B105	1615600001	4/25/2003	16	\$1,317.73	Good	Active
116106	Teledyne	AIR MASS FLOW CONTROLLER	Standards Lab Room B105	1615700001	4/25/2003	16	\$1,317.72	Good	Active
117235	Atlantic Scientific	LIGHTNING PROTECTION KIT	Olustee Ranger Station	N/A	5/23/2003	16	\$2,421.67	Good	Active
117236	Atlantic Scientific	LIGHTNING PROTECTION KIT	San Antonio	N/A	5/23/2003	16	\$2,421.67	Good	Active
117237	Atlantic Scientific	LIGHTNING PROTECTION KIT	Laurel Oak Elementary	N/A	5/23/2003	16	\$2,421.66	Good	Active
117238	Teledyne	MASS FLOW CONTROLLER ENVIRONICS	Standards Lab Room B105	1652700001	5/23/2003	16	\$1,320.00	Good	Active
117239	Teledyne	MASS FLOW CONTROLLER	Standards Lab Room B105	1652800001	5/23/2003	16	\$1,320.00	Good	Active
117393	N/A	CALIBRATION BATH	Standards Lab Room B105	803050076	6/5/2003	15	\$9,972.90	Good	Active
117909	N/A	CALIBRATION EQUIPMENT	Standards Lab Room B105	N/A	7/31/2003	15	\$3,047.00	Good	Active
117940	Nova-Lynx	HANDHELD BAROMETER	MRAS Shop D101A	976370-T2	6/19/2003	15	\$1,404.94	Good	Active
118079	Bios	BETA ML 800 CALIBRATOR	Standards Lab Room B105	101410	12/10/2003	15	\$33,140.00	Good	Active
119263	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0457	8/12/2004	14	\$6,270.00	Good	Active
119264	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0458	8/12/2004	14	\$6,270.00	Good	Active
119266	ESC 8832	DATA LOGGER	Crystal River Preserve	A0464	8/12/2004	14	\$6,270.00	Good	Active
119267	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0465	8/12/2004	14	\$6,270.00	Good	Active
119269	ESC 8832	DATA LOGGER	Sikes Elementary School	A0467	8/12/2004	14	\$6,270.00	Good	Active
119270	ESC 8832	DATA LOGGER	Ocala - YMCA	A0473	8/12/2004	14	\$6,270.00	Good	Active
119271	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0487	8/12/2004	14	\$6,270.00	Good	Active
119274	ESC 8832	DATA LOGGER	Cocoa Beach	A0490	8/12/2004	14	\$6,270.00	Good	Active
119275	ESC 8832	DATA LOGGER	Port Manatee DEP	A0491	8/12/2004	14	\$6,270.00	Good	Active
119276	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0492	8/12/2004	14	\$6,270.00	Good	Active
119278	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0494	8/12/2004	14	\$6,270.00	Good	Active

119279	ESC 8832	DATA LOGGER	Savannas	A0495	8/12/2004	14	\$6,270.00	Good	Active
119280	ESC 8832	DATA LOGGER	Osceola County Fire Station	A0496	8/12/2004	14	\$6,270.00	Good	Active
119283	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0589	8/12/2004	14	\$6,270.00	Good	Active
119284	ESC 8832	DATA LOGGER	Laurel Oak Elementary	A0590	8/12/2004	14	\$6,270.00	Good	Active
119285	ESC 8832	DATA LOGGER	Woodlawn Beach Middle School	A0591	8/12/2004	14	\$6,270.00	Good	Active
119286	ESC 8832	DATA LOGGER	Bay Oaks Park	A0592	8/12/2004	14	\$6,270.00	Good	Active
119287	ESC 8832	DATA LOGGER	Holiday	A0593	8/12/2004	14	\$6,270.00	Good	Active
119288	ESC 8832	DATA LOGGER	San Antonio	A0594	8/12/2004	14	\$6,270.00	Good	Active
119289	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0595	8/12/2004	14	\$6,270.00	Good	Active
119290	ESC 8832	DATA LOGGER	Bonifay Tri-County Airport	A0596	8/12/2004	14	\$6,270.00	Good	Active
119291	ESC 8832	DATA LOGGER	Clermont	A0597	8/12/2004	14	\$6,270.00	Good	Active
119293	ESC 8832	DATA LOGGER	Marion County Sheriff	A0599	8/12/2004	14	\$6,270.00	Good	Active
119294	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0600	8/12/2004	14	\$6,270.00	Good	Active
119295	ESC 8832	DATA LOGGER	Paynes Prairie Farm	A0601	8/12/2004	14	\$7,220.00	Good	Active
119296	ESC 8832	DATA LOGGER	Rotary Park	A0602	8/12/2004	14	\$7,220.00	Good	Active
119297	ESC 8832	DATA LOGGER	MRAS Shop D101A	A0603	8/12/2004	14	\$7,220.00	Good	Active
120171	Chinook	DUAL FLOW STREAMLINE /MANOMETER	MRAS Shop D101A	HL1	4/19/2004	15	\$1,878.00	Good	Active
120172	Chinook	DUAL FLOW STREAMLINE / MANOMETER	MRAS Shop D101A	HL2	4/19/2004	15	\$1,878.00	Good	Active
121305	Envionics	GAS CALIBRATOR	Standards Lab Room B105	3285	9/1/2004	14	\$12,838.50	Good	Active
121345	Atlantic Scientific	LIGHTNING PROTECTION KIT	Fort Walton Beach	N/A	9/27/2004	14	\$2,810.81	Good	Active
121346	Atlantic Scientific	LIGHTNING PROTECTION KIT	Baptist Children's Home	N/A	9/27/2004	14	\$2,810.81	Good	Active
121347	Atlantic Scientific	LIGHTNING PROTECTION KIT	Fernandina Beach	N/A	9/27/2004	14	\$2,810.81	Good	Active
121348	Atlantic Scientific	LIGHTNING PROTECTION KIT	Holiday	N/A	9/27/2004	14	\$2,810.81	Good	Active

121817	Thermo	AIR MONITOR	Paynes Prairie Farm	140AB253230409	11/12/2004	14	\$17,460.00	Good	Active
121818	Thermo	AIR MONITOR	MRAS Shop D101A	140AB253240409	11/12/2004	14	\$17,460.00	Good	Active
121819	Thermo	AIR MONITOR	Stuart	140AB253250409	11/12/2004	14	\$17,460.00	Good	Active
121882	Chinook	DUAL FLOW STEAMLINER/MANMOMETER	MRAS Shop D101A	HL3	10/8/2004	14	\$1,879.00	Good	Active
121883	Chinook	DUAL FLOW STEAMLINER/MANMOMETER	MRAS Shop D101A	HL4	10/8/2004	14	\$1,879.00	Good	Active
122188	Nova-Lynx	NOVALYNX MANOMETER	MRAS Shop D101A	995472U1	8/23/2004	14	\$1,404.69	Good	Active
124178	Wells Cargo	WELLS CARGO TOTE WAGON(EP-6095)	MRAS Shop D101A	1WC200E2353053636	5/16/2005	14	\$9,534.25	Good	Active
124762	Fluke	FLUKE KIT-715/87-5E CALIBRATOR 715	MRAS Shop D101A	8881043	6/9/2005	13	\$1,081.00	Good	Active
124764	Fluke	FLUKE KIT-715/87-5E CALIBRATOR 715	Ellyson Industrial Park	8767074	6/9/2005	13	\$1,081.00	Good	Active
125012	Thermo	PARTISOL-PLUS# 2025 PM 2.5 SAMPLER	MRAS Shop D101A	2025B217930506	7/1/2005	13	\$11,890.00	Good	Active
125634	Fluke	FLUKE 5520A VOLTAGE CALIBRATOR	Standards Lab Room B105	S970008	9/7/2005	13	\$24,633.00	Good	Active
126972	Alborg	THERMAL MFM	Standards Lab Room B105	15493811	2/27/2006	13	\$1,192.25	Good	Active
126973	Alborg	THERMAL MFM	Standards Lab Room B105	154938-2	2/27/2006	13	\$1,192.25	Good	Active
127392	Fluke	FLUKE 8508A/01-8.5 DIGIT REF. MULTI	Standards Lab Room B105	908852245	3/27/2006	13	\$16,665.00	Good	Active
127441	Aluma Tower	ALUMINUM CRANKUP TOWER 35FT W/BASE	Pensacola NAS	N/A	4/3/2006	13	\$2,235.00	Good	Active
127442	Aluma Tower	ALUMINUM CRANKUP TOWER 35FT W/BASE	Stuart	N/A	4/3/2006	13	\$2,235.00	Good	Active
127530	Fluke	FLUKE KIT	MRAS Shop D101A	9015198	4/20/2006	13	\$1,362.05	Good	Active
127531	Fluke	FLUKE KIT	Stuart	9005307	4/20/2006	13	\$1,362.05	Good	Active
127612	ESC 8832	ESC DATA LOGGER MODEL#8832	MRAS Shop D101A	A1289	4/24/2006	13	\$6,200.00	Good	Active
127613	ESC 8832	ESC DATA LOGGER MODEL#8832	St. Andrews State Park	A1288	4/24/2006	13	\$6,200.00	Good	Active
127614	ESC 8832	ESC DATA LOGGER MODEL#8832	Archbold Biological Station	A1287	4/24/2006	13	\$6,200.00	Good	Active
127615	ESC 8832	ESC DATA LOGGER MODEL#8832 W/OPTION	MRAS Shop D101A	A1286	4/24/2006	13	\$6,846.28	Good	Active

132187	Thermo	VSCC MONITOR	Ocala - YMCA	140AB266790704	5/17/2007	12	\$24,964.00	Good	Active
132281	Thermo	49IA PHOTOMETRIC OZONE	St. Marks Wildlife Refuge	0714922084	5/29/2007	11	\$7,313.50	Good	Active
132282	Thermo	49IPS PHOTOMETIC OZONE	Sanford	0714922083	5/29/2007	11	\$9,518.93	Good	Active
132884	Thermo	42I CHEMIL NO-NO2-NOX ANALYZER	MRAS Shop D101A	CM07230014	6/28/2007	11	\$11,305.00	Good	Active
133513	Chinook	STREAMLINE PRO MULTICAL SYSTEM	MRAS Shop D101A	M070802	8/28/2007	11	\$3,548.00	Good	Active
134321	ESC 8832	ESC MODEL 8832 AMBIENT DATA LOGGER	Fort Walton Beach	A2187	1/4/2008	11	\$6,020.00	Good	Active
134322	ESC 8832	ESC MODEL 8832 AMBIENT DATA LOGGER	Palatka Barge Port	A2188	1/4/2008	11	\$6,020.00	Good	Active
134323	ESC 8832	ESC MODEL 8832 AMBIENT DATA LOGGER	Pensacola NAS	A2326K	1/4/2008	11	\$6,020.00	Good	Active
135129	Fluke	FLUKE KIT-715/87-5E CALIBRATOR 715	Winkler Pump Station	9612059	6/9/2005	13	\$1,081.00	Good	Active
135239	Aluma Tower	CRANKUP TOWER ALUMINUM 35FT	Sanford	AT-82070-T-4-2	4/28/2008	11	\$2,367.50	Good	Active
135538	Wells Cargo	SITE MONITORING TRAILER 8X20	Flagler	1WC200J2383058622	5/14/2008	11	\$14,597.00	Good	Active
135562	Wells Cargo	SITE MONITORING TRAILER 8X20	Stuart	1WC200J2583058623	5/27/2008	10	\$14,597.00	Good	Active
137051	Thermo	PHOTOMETRIC OZONE ANALYZER	Fort Walton Beach	0820431148	7/14/2008	10	\$7,353.50	Good	Active
137052	Thermo	PHOTOMETRIC OZONE CALIBRATOR	MRAS Shop D101A	0820430996	7/14/2008	10	\$10,165.00	Good	Active
137565	Thermo	TEOM MONITOR 1405	White Springs	1405A1264112212	9/8/2008	10	\$17,554.10	Good	Active
137871	Enviroics	ZERO AIR GENERATOR7000 SERIES	Standards Lab Room B105	4367	11/21/2008	10	\$6,669.00	Good	Active
137872	Enviroics	ZERO AIR GENERATOR7000 SERIES	Standards Lab Room B105	4386	11/21/2008	10	\$6,669.00	Good	Active
137873	Enviroics	ZERO AIR GENERATOR7000 SERIES	Standards Lab Room B105	4387	11/21/2008	10	\$6,669.00	Good	Active
137874	Enviroics	ZERO AIR GENERATOR7000 SERIES	Standards Lab Room B105	4388	11/21/2008	10	\$6,669.00	Good	Active
138290	ESC 8832	AMBIENT DATA LOGGER	Port Orange	A3101K	3/12/2009	10	\$6,836.67	Good	Active
138291	ESC 8832	AMBIENT DATA LOGGER	MRAS Shop D101A	A3102K	3/12/2009	10	\$6,836.67	Good	Active
138292	ESC 8832	AMBIENT DATA LOGGER	Flagler	A3103K	3/12/2009	10	\$6,836.67	Good	Active
138593	Chinook	STREAMLINE PRO MULTICAL SYSTEM	MRAS Shop D101A	M081202	4/15/2009	10	\$3,917.00	Good	Active

138594	Chinook	STREAMLINE PRO o- MULTICAL SYSTEM	MRAS Shop D101A	M081204	4/15/2009	10	\$3,917.00	Good	Active
138595	Chinook	STREAMLINE PRO MULTICAL SYSTEM	MRAS Shop D101A	M080510	4/15/2009	10	\$3,917.00	Good	Active
139025	Thermo	49I-UV PHOTOMETRIC OZONE CALIBRATOR	St. Andrews State Park	0913235776	5/4/2009	10	\$10,202.76	Good	Active
139174	Thermo	49I-UV PHOTOMETRIC OZONE ANALYZER	Woodlawn Beach Middle School	CM09130039	5/12/2009	10	\$7,569.45	Good	Active
139697	Thermo	PARTISOL PLUS 2025 AIR SAMPLER	MRAS Shop D101A	2025B225330905	6/10/2009	9	\$12,464.95	Good	Active
139698	Thermo	PARTISOL PLUS 2025 AIR SAMPLER	Melbourne	2025B225320905	6/10/2009	9	\$12,464.95	Good	Active
139699	Thermo	TEOM MONITOR MODEL 1405	Bonifay Tri- County Airport	1405A204650904	6/10/2009	9	\$17,857.44	Good	Active
139700	Thermo	TEOM MONITOR MODEL 1405	MRAS Shop D101A	1405A204780905	6/10/2009	9	\$17,857.43	Good	Active
139701	Wells Cargo	TRAILER 8X20 DEP21075	Bay Oaks Park	1WC200J2693059622	6/16/2009	9	\$16,922.25	Good	Active
139702	Wells Cargo	TRAILER 8X20DEP21076	Crystal River Preserve	1WC200J2893059623	6/16/2009	9	\$16,922.25	Good	Active
140120	Teledyne	TELEDYNE MODEL 700 CALIBRATOR	Fernandina Beach	703-S	10/26/2009	9	\$16,958.96	Good	Active
140296	Thermo	AIR SAMPLER	MRAS Shop D101A	2025B225830910	1/11/2010	9	\$12,575.80	Good	Active
140297	Thermo	AIR SAMPLER	Millhopper	2025B225910910	1/11/2010	9	\$12,575.80	Good	Active
140298	Thermo	AIR SAMPLER	Sanford	2025B225920912	1/11/2010	9	\$12,575.80	Good	Active
140299	Thermo	AIR SAMPLER	MRAS Shop D101A	2025B225930910	1/11/2010	9	\$12,575.81	Good	Active
140300	Thermo	AIR SAMPLER	Millhopper	2025B225940910	1/11/2010	9	\$12,575.81	Good	Active
140301	Thermo	ANALYZER	Holiday	CM09500013	1/8/2010	9	\$7,936.32	Good	Active
140302	Thermo	ANALYZER	TCC	CM09500014	1/8/2010	9	\$7,936.32	Good	Active
140303	Thermo	ANALYZER	St. Andrews State Park	CM09500015	1/8/2010	9	\$7,936.32	Good	Active
140304	Thermo	ANALYZER	Bonifay Tri- County Airport	CM09500016	1/8/2010	9	\$7,936.33	Good	Active
140305	Thermo	ANALYZER	MRAS Shop D101A	CM09500017	1/8/2010	9	\$7,936.33	Good	Active
140306	Thermo	CALIBRATOR	Woodlawn Beach Middle School	0935239567	1/8/2010	9	\$9,808.00	Good	Active
140307	Thermo	CALIBRATOR	MRAS Shop D101A	035239568	1/8/2010	9	\$9,808.00	Good	Active

140308	Thermo	CALIBRATOR	TCC	035239569	1/8/2010	9	\$9,808.00	Good	Active
140309	Thermo	CALIBRATOR	Holiday	035239570	1/8/2010	9	\$9,808.00	Good	Active
140310	Thermo	CALIBRATOR	Paynes Prairie Farm	035239571	1/8/2010	9	\$9,808.00	Good	Active
140617	Teledyne	GAS CALIBRATOR	Sikes Elementary School	898-S	6/1/2010	8	\$15,103.00	Good	Active
140619	Teledyne	GAS CALIBRATOR	MRAS Shop D101A	897-S	6/1/2010	8	\$15,103.00	Good	Active
140620	Teledyne	GAS CALIBRATOR	White Springs	895-A	6/1/2010	8	\$15,103.00	Good	Active
140621	Teledyne	GAS CALIBRATOR	MRAS Shop D101A	899	6/1/2010	8	\$15,103.00	Good	Active
140622	Teledyne	GAS CALIBRATOR	Port Manatee DEP	900-S	6/1/2010	8	\$15,103.00	Good	Active
140661	ESC 8832	AMBIENT DATA SYSTEM CONTROLLER	MRAS Shop D101A	A3730K	6/8/2010	8	\$8,570.00	Good	Active
140662	ESC 8832	AMBIENT DATA SYSTEM CONTROLLER	MRAS Shop D101A	A3731K	6/8/2010	8	\$8,570.00	Good	Active
140930	Vaisala	WXT520 WEATHER TRANSMITTER	Fernandina Beach	F2620012	7/9/2010	8	\$2,032.75	Good	Active
141343	Dell	COMPUTER DELL OPTIPLEX 780	Savannas	CYQ74P1	12/6/2010	8	\$621.90	Good	Active
141344	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	H8Y74P1	12/6/2010	8	\$621.90	Good	Active
141345	Dell	COMPUTER DELL OPTIPLEX 780	Bonifay Tri-County Airport	HW955P1	12/6/2010	8	\$621.90	Good	Active
141346	Dell	COMPUTER DELL OPTIPLEX 780	Pensacola NAS	GP955P1	12/6/2010	8	\$621.90	Good	Active
141347	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	1S955P1	12/6/2010	8	\$621.90	Good	Active
141348	Dell	COMPUTER DELL OPTIPLEX 780	Clermont	FP955P1	12/6/2010	8	\$621.90	Good	Active
141349	Dell	COMPUTER DELL OPTIPLEX 780	Sikes Elementary School	2X955P1	12/6/2010	8	\$621.90	Good	Active
141350	Dell	COMPUTER DELL OPTIPLEX 780	Osceola County Fire Station	8YQ74P1	12/6/2010	8	\$621.90	Good	Active
141351	Dell	COMPUTER DELL OPTIPLEX 780	Rotary Park	J8Y74P1	12/6/2010	8	\$621.90	Good	Active
141352	Dell	COMPUTER DELL OPTIPLEX 780	Holiday	8X955P1	12/6/2010	8	\$621.90	Good	Active
141353	Dell	COMPUTER DELL OPTIPLEX 780	Port Manatee DEP	C9Y74P1	12/6/2010	8	\$621.90	Good	Active

141354	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	9YQ74P1	12/6/2010	8	\$621.90	Good	Active
141355	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	CQ955P1	12/6/2010	8	\$621.90	Good	Active
141356	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	1Q955P1	12/6/2010	8	\$621.90	Good	Active
141357	Dell	COMPUTER DELL OPTIPLEX 780	Paynes Prairie Farm	JP955P1	12/6/2010	8	\$621.90	Good	Active
141358	Dell	COMPUTER DELL OPTIPLEX 780	Stuart	4YQ74P1	12/6/2010	8	\$621.90	Good	Active
141359	Dell	COMPUTER DELL OPTIPLEX 780	St. Andrews State Park	3BYS3P1	12/6/2010	8	\$621.90	Good	Active
141360	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	G6X74P1	12/6/2010	8	\$621.90	Good	Active
141361	Dell	COMPUTER DELL OPTIPLEX 780	Palatka Barge Port	8Q955P1	12/6/2010	8	\$621.90	Good	Active
141362	Dell	COMPUTER DELL OPTIPLEX 780	Archbold Biological Station	8R955P1	12/6/2010	8	\$621.90	Good	Active
141363	Dell	COMPUTER DELL OPTIPLEX 780	Port Orange	7Q955P1	12/6/2010	8	\$621.90	Good	Active
141364	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	29Y74P1	12/6/2010	8	\$621.90	Good	Active
141365	Dell	COMPUTER DELL OPTIPLEX 780	San Antonio	5BYS3P1	12/6/2010	8	\$621.90	Good	Active
141366	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	FQ955P1	12/6/2010	8	\$621.90	Good	Active
141367	Dell	COMPUTER DELL OPTIPLEX 780	Bay Oaks Park	J7Y74P1	12/6/2010	8	\$621.90	Good	Active
141368	Dell	COMPUTER DELL OPTIPLEX 780	Crystal River Preserve	19Y74P1	12/6/2010	8	\$621.90	Good	Active
141369	Dell	COMPUTER DELL OPTIPLEX 780	Ellyson Industrial Park	BR955P1	12/6/2010	8	\$621.90	Good	Active
141370	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	H7Y74P1	12/6/2010	8	\$621.90	Good	Active
141371	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	D5X74P1	12/6/2010	8	\$621.90	Good	Active
141372	Dell	COMPUTER DELL OPTIPLEX 780	Ocala - YMCA	2ZQ74P1	12/6/2010	8	\$621.90	Good	Active
141373	Dell	COMPUTER DELL OPTIPLEX 780	Woodlawn Beach Middle School	BQ955P1	12/6/2010	8	\$621.90	Good	Active
141374	Dell	COMPUTER DELL OPTIPLEX 780	Cocoa Beach	N/A	12/6/2010	8	\$621.90	Good	Active



141375	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	JXQ74P1	12/6/2010	8	\$621.90	Good	Active
141376	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	D9Y74P1	12/6/2010	8	\$621.90	Good	Active
141377	Dell	COMPUTER DELL OPTIPLEX 780	Flagler	6XQ74P1	12/6/2010	8	\$621.90	Good	Active
141378	Dell	COMPUTER DELL OPTIPLEX 780	Fort Walton Beach	B5X74P1	12/6/2010	8	\$621.90	Good	Active
141379	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	CP955P1	12/6/2010	8	\$621.90	Good	Active
141380	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	7XQ74P1	12/6/2010	8	\$621.90	Good	Active
141381	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	1ZQ74P1	12/6/2010	8	\$621.90	Good	Active
141382	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	GR955P1	12/6/2010	8	\$621.90	Good	Active
141383	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	F9Y74P1	12/6/2010	8	\$621.90	Good	Active
141384	Dell	COMPUTER DELL OPTIPLEX 780	Marion County Sheriff	H9Y74P1	12/6/2010	8	\$621.90	Good	Active
141385	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	88Y74P1	12/6/2010	8	\$621.90	Good	Active
141386	Dell	COMPUTER DELL OPTIPLEX 780	MRAS Shop D101A	16X74P1	12/6/2010	8	\$621.90	Good	Active
142164	Teledyne	UV ANALYZER	MRAS Shop D101A	0087	2/8/2011	8	\$7,819.25	Good	Active
142165	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3412	2/7/2011	8	\$4,057.13	Good	Active
142166	Teledyne	AIR SYSTEM MODEL 7010	Crystal River Preserve	3413	2/7/2011	8	\$4,057.13	Good	Active
142167	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3414	2/7/2011	8	\$4,057.13	Good	Active
142168	Teledyne	AIR SYSTEM MODEL 7010	Port Manatee DEP	3415	2/7/2011	8	\$4,057.13	Good	Active
142169	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3416	2/7/2011	8	\$4,057.13	Good	Active
142170	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3418	2/7/2011	8	\$4,057.13	Good	Active
142171	Teledyne	AIR SYSTEM MODEL 7010	Palatka Barge Port	3419	2/7/2011	8	\$4,057.13	Good	Active
142172	Teledyne	AIR SYSTEM MODEL 7010	Sikes Elementary School	3420	2/7/2011	8	\$4,057.13	Good	Active
142173	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3421	2/7/2011	8	\$4,057.13	Good	Active

142174	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3422	2/7/2011	8	\$4,057.13	Good	Active
142176	Teledyne	AIR SYSTEM MODEL 7010	MRAS Shop D101A	3424	2/7/2011	8	\$4,057.13	Good	Active
142178	Vaisala	WEATHER TRANSMITTER	Ellyson Industrial Park	G0350001	2/7/2011	8	\$2,648.00	Good	Active
142179	Vaisala	WEATHER TRANSMITTER	Olustee Ranger Station	G0350002	2/7/2011	8	\$2,648.00	Good	Active
142180	Vaisala	WEATHER TRANSMITTER	Bonifay Tri- County Airport	G0350003	2/7/2011	8	\$2,648.00	Good	Active
142181	Vaisala	WEATHER TRANSMITTER	Ocala - YMCA	G035004	2/7/2011	8	\$2,648.00	Good	Active
142182	Vaisala	WEATHER TRANSMITTER	Woodlawn Beach Middle School	G0350005	2/7/2011	8	\$2,648.00	Good	Active
142183	Vaisala	WEATHER TRANSMITTER	Flagler	G0350006	2/7/2011	8	\$2,648.00	Good	Active
142184	Vaisala	WEATHER TRANSMITTER	Pensacola NAS	G0350007	2/7/2011	8	\$2,648.00	Good	Active
142185	Vaisala	WEATHER TRANSMITTER	White Springs	G0350008	2/7/2011	8	\$2,648.00	Good	Active
142186	Vaisala	WEATHER TRANSMITTER	MRAS Shop D101A	G0350009	2/7/2011	8	\$2,648.00	Good	Active
142187	Vaisala	WEATHER TRANSMITTER	Palatka Barge Port	G0350010	2/7/2011	8	\$2,648.00	Good	Active
142188	Vaisala	WEATHER TRANSMITTER	MRAS Shop D101A	G0350011	2/7/2011	8	\$2,648.00	Good	Active
142189	Vaisala	WEATHER TRANSMITTER	Savannas	G0350012	2/7/2011	8	\$2,648.00	Good	Active
142190	Vaisala	WEATHER TRANSMITTER	MRAS Shop D101A	G0350013	2/7/2011	8	\$2,648.00	Good	Active
142191	Vaisala	WEATHER TRANSMITTER	St. Andrews State Park	G0350014	2/7/2011	8	\$2,648.00	Good	Active
142192	Vaisala	WEATHER TRANSMITTER	MRAS Shop D101A	G0350015	2/7/2011	8	\$2,649.00	Good	Active
142203	Teledyne	MDL T400 UV ANALYZER	MRAS Shop D101A	057	2/23/2011	8	\$9,757.51	Good	Active
142205	Teledyne	MDL T400 UV ANALYZER	MRAS Shop D101A	059	2/23/2011	8	\$9,757.51	Good	Active
142256	Thermo	AIR SAMPLER	Daytona - Blind Services	2025B227811103	3/11/2011	8	\$12,575.81	Good	Active
143498	Vaisala	VAISALA WEATHER TRANSMITTER	Osceola County Fire Station	G3420030	9/23/2011	7	\$2,618.24	Good	Active
143499	Vaisala	VAISALA WEATHER TRANSMITTER	TCC	G3420033	9/23/2011	7	\$2,618.24	Good	Active
143500	Vaisala	VAISALA WEATHER TRANSMITTER	St. Marks Wildlife Refuge	G3420031	9/23/2011	7	\$2,618.24	Good	Active

143501	Vaisala	VAISALA WEATHER TRANSMITTER	Holiday	G3420027	9/23/2011	7	\$2,618.24	Good	Active
143502	Vaisala	VAISALA WEATHER TRANSMITTER	Fort Walton Beach	G3420022	9/23/2011	7	\$2,618.24	Good	Active
143503	Vaisala	VAISALA WEATHER TRANSMITTER	MRAS Shop D101A	G3420021	9/23/2011	7	\$2,618.24	Good	Active
143504	Vaisala	VAISALA WEATHER TRANSMITTER	Baptist Children's Home	G3420026	9/23/2011	7	\$2,618.24	Good	Active
143505	Vaisala	VAISALA WEATHER TRANSMITTER	Sanford	G3420029	9/23/2011	7	\$2,618.24	Good	Active
143506	Vaisala	VAISALA WEATHER TRANSMITTER	Stuart	G3420035	9/23/2011	7	\$2,618.24	Good	Active
143508	Vaisala	VAISALA WEATHER TRANSMITTER	Port Orange	G3420032	9/23/2011	7	\$2,618.24	Good	Active
143509	Vaisala	VAISALA WEATHER TRANSMITTER	Cocoa Beach	G3420024	9/23/2011	7	\$2,618.24	Good	Active
143510	Vaisala	VAISALA WEATHER TRANSMITTER	MRAS Shop D101A	G3420014	9/23/2011	7	\$2,618.24	Good	Active
143511	Vaisala	VAISALA WEATHER TRANSMITTER	Laurel Oak Elementary	G3420015	9/23/2011	7	\$2,618.24	Good	Active
143512	Vaisala	VAISALA WEATHER TRANSMITTER	Archbold Biological Station	G3420025	9/23/2011	7	\$2,618.24	Good	Active
143513	Vaisala	VAISALA WEATHER TRANSMITTER	Rotary Park	G3420034	9/23/2011	7	\$2,618.24	Good	Active
143514	Vaisala	VAISALA WEATHER TRANSMITTER	Crystal River Preserve	G3420012	9/23/2011	7	\$2,618.24	Good	Active
143515	Vaisala	VAISALA WEATHER TRANSMITTER	Bay Oaks Park	G3420011	9/23/2011	7	\$2,618.24	Good	Active
143516	Vaisala	VAISALA WEATHER TRANSMITTER	Melbourne	G3420013	9/23/2011	7	\$2,618.24	Good	Active
143517	Vaisala	VAISALA WEATHER TRANSMITTER	Paynes Prairie Farm	G3420017	9/23/2011	7	\$2,618.24	Good	Active
143518	Vaisala	VAISALA WEATHER TRANSMITTER	Marion County Sheriff	G3420016	9/23/2011	7	\$2,618.24	Good	Active
143519	Vaisala	VAISALA WEATHER TRANSMITTER	Lake City	G3420018	9/23/2011	7	\$2,618.24	Good	Active
143520	Vaisala	VAISALA WEATHER TRANSMITTER	MRAS Shop D101A	G3420020	9/23/2011	7	\$2,618.24	Good	Active
143521	Vaisala	VAISALA WEATHER TRANSMITTER	Clermont	G3420019	9/23/2011	7	\$2,618.24	Good	Active
143522	Vaisala	VAISALA WEATHER TRANSMITTER	San Antonio	G3420023	9/23/2011	7	\$2,618.24	Good	Active

145216	Thermo	OZONE ANALYZER	Paynes Prairie Farm	1227254949	10/19/2012	6	\$8,441.78	Good	Active
145217	Thermo	OZONE ANALYZER	Osceola County Fire Station	N/A	10/19/2012	6	\$8,441.78	Good	Active
145218	Thermo	OZONE ANALYZER	Clermont	1227254945	10/19/2012	6	\$8,441.78	Good	Active
145219	Thermo	OZONE ANALYZER	Ellyson Industrial Park	1227254948	10/19/2012	6	\$8,441.78	Good	Active
145220	Thermo	OZONE ANALYZER	Ocala - YMCA	1227254942	10/19/2012	6	\$8,441.78	Good	Active
145221	Thermo	OZONE ANALYZER	MRAS Shop D101A	1227254944	10/19/2012	6	\$8,441.78	Good	Active
145222	Thermo	OZONE ANALYZER	Pensacola NAS	1227254950	10/19/2012	6	\$8,441.78	Good	Active
145223	Thermo	OZONE ANALYZER	Port Orange	1227254946	10/19/2012	6	\$8,441.78	Good	Active
145224	Thermo	OZONE ANALYZER	MRAS Shop D101A	N/A	10/19/2012	6	\$8,441.78	Good	Active
145225	Thermo	OZONE CALIBRATOR	Pensacola NAS	1227254881	10/19/2012	6	\$11,487.49	Good	Active
145226	Thermo	OZONE CALIBRATOR	Laurel Oak Elementary	1227254880	10/19/2012	6	\$11,487.49	Good	Active
145227	Thermo	OZONE CALIBRATOR	Port Orange	1227254882	10/19/2012	6	\$11,487.49	Good	Active
145228	Thermo	OZONE CALIBRATOR	Ellyson Industrial Park	1227254878	10/19/2012	6	\$11,487.49	Good	Active
145229	Thermo	OZONE CALIBRATOR	MRAS Shop D101A	1227254879	10/19/2012	6	\$11,487.49	Good	Active
145230	Thermo	PULSE FLUOR SO2 ANALYZER	Palatka Barge Port	1227254884	10/19/2012	6	\$11,213.28	Good	Active
145231	Thermo	PULSE FLUOR SO2 ANALYZER	Fernandina Beach	1227254883	10/19/2012	6	\$11,213.28	Good	Active
145265	Thermo	AIR MONITOR	Fort Walton Beach	1405A212581101	3/30/2011	8	\$18,374.48	Good	Active
145266	Thermo	AIR MONITOR	Yulee	1405A213561102	3/30/2011	8	\$18,374.48	Good	Active
145510	Thermo	PULSE FLOUR MODEL 43I S02 ANALYZER	Ellyson Industrial Park	1308857348	4/11/2013	6	\$11,497.28	Good	Active
145511	Thermo	PULSE FLOUR MODEL 43I S02 ANALYZER	Crystal River Preserve	1308857349	4/11/2013	6	\$11,497.28	Good	Active
145512	Thermo	PULSE FLOUR MODEL 43I S02 ANALYZER	Port Manatee DEP	1308857350	4/11/2013	6	\$11,497.28	Good	Active
145513	Thermo	PULSE FLOUR MODEL 43I S02 ANALYZER	MRAS Shop D101A	1308857351	4/11/2013	6	\$11,497.28	Good	Active
146565	Thermo	UV 03 ANALYZER	Daytona - Blind Services	1317958398	7/12/2013	5	\$8,657.24	Good	Active
146566	Thermo	UV 03 ANALYZER	Sikes Elementary School	N/A	7/12/2013	5	\$8,657.24	Good	Active

146567	Thermo	UV 03 ANALYZER	Melbourne	1317958400	7/12/2013	5	\$8,657.24	Good	Active
146568	Thermo	UV 03 CALIBRATOR	Cocoa Beach	1317958401	7/12/2013	5	\$11,771.49	Good	Active
146569	Thermo	UV 03 CALIBRATOR	Melbourne	1317958402	7/12/2013	5	\$11,771.49	Good	Active
146570	Thermo	UV 03 CALIBRATOR	MRAS Shop D101A	N/A	7/12/2013	5	\$11,771.49	Good	Active
146571	Thermo	UV 03 CALIBRATOR	MRAS Shop D101A	N/A	7/12/2013	5	\$11,771.49	Good	Active
146572	Thermo	1405 MONITOR	TCC	N/A	7/12/2013	5	\$16,883.57	Good	Active
146573	Thermo	PULSE S02 ANALYZER	MRAS Shop D101A	JC1306300719	7/12/2013	5	\$11,486.40	Good	Active
146574	Thermo	PULSE S02 ANALYZER	Sikes Elementary School	N/A	7/12/2013	5	\$11,486.40	Good	Active
147046	Thermo	UV 03 ANALYZER 491A1NAA	Marion County Sheriff	1331659576	12/11/2013	5	\$7,917.81	Good	Active
147047	Thermo	UV 03 ANALYZER 491A1NAA	Lake City	1331659580	12/11/2013	5	\$7,917.81	Good	Active
147048	Thermo	UV 03 ANALYZER 491A1NAA	Flagler	1331659608	12/11/2013	5	\$7,917.81	Good	Active
147049	Thermo	UV 03 ANALYZER 491A1NAA	Laurel Oak Elementary	1331659573	12/11/2013	5	\$7,917.81	Good	Active
147050	Thermo	UV 03 ANALYZER 491A1NAA	MRAS Shop D101A	1331659539	12/11/2013	5	\$7,917.81	Good	Active
147051	Thermo	UV 03 ANALYZER 491A1NAA	Olustee Ranger Station	1331659578	12/11/2013	5	\$7,917.81	Good	Active
147052	Thermo	UV 03 ANALYZER 491A1NAA	San Antonio	1331659538	12/11/2013	5	\$7,917.81	Good	Active
147053	Thermo	UV 03 ANALYZER 491A1NAA	Archbold Biological Station	1331659581	12/11/2013	5	\$7,917.81	Good	Active
147054	Thermo	UV 03 ANALYZER 491A1NAA	Bay Oaks Park	1331659575	12/11/2013	5	\$7,917.81	Good	Active
147055	Thermo	UV 03 ANALYZER 491A1NAA	Savannas	1331659609	12/11/2013	5	\$7,917.81	Good	Active
147056	Thermo	UV 03 ANALYZER 491A1NAA	MRAS Shop D101A	1331659579	12/11/2013	5	\$7,917.81	Good	Active
147057	Thermo	UV 03 ANALYZER 491A1NAA	MRAS Shop D101A	1331659577	12/11/2013	5	\$7,917.81	Good	Active
147058	Thermo	UV 03 ANALYZER 491A1NAA	Baptist Children's Home	1331659574	12/11/2013	5	\$7,917.81	Good	Active
147059	Thermo	UV 03 ANALYZER 491A1NAA	Rotary Park	1331659610	12/11/2013	5	\$7,917.81	Good	Active

147060	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Ocala - YMCA	1331659541	12/11/2013	5	\$10,766.07	Good	Active
147061	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Osceola County Fire Station	1331659643	12/11/2013	5	\$10,766.07	Good	Active
147062	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	MRAS Shop D101A	1331659645	12/11/2013	5	\$10,766.07	Good	Active
147063	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Sanford	1331659614	12/11/2013	5	\$10,766.07	Good	Active
147064	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Marion County Sheriff	1331659584	12/11/2013	5	\$10,766.07	Good	Active
147065	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Bay Oaks Park	1331659608	12/11/2013	5	\$10,766.07	Good	Active
147066	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Olustee Ranger Station	1331659540	12/11/2013	5	\$10,766.07	Good	Active
147067	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Clermont	1331659582	12/11/2013	5	\$10,766.07	Good	Active
147068	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	MRAS Shop D101A	1331659611	12/11/2013	5	\$10,766.07	Good	Active
147069	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Flagler	1331659628	12/11/2013	5	\$10,766.07	Good	Active
147070	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Bonifay Tri-County Airport	1331659629	12/11/2013	5	\$10,766.07	Good	Active
147071	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Daytona - Blind Services	1331659630	12/11/2013	5	\$10,766.07	Good	Active
147072	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	San Antonio	1331659583	12/11/2013	5	\$10,766.07	Good	Active
147073	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Archbold Biological Station	1331659627	12/11/2013	5	\$10,766.07	Good	Active
147074	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Savannas	1331659642	12/11/2013	5	\$10,766.07	Good	Active
147075	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Lake City	1331659612	12/11/2013	5	\$10,766.07	Good	Active
147076	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Baptist Children's Home	1331659644	12/11/2013	5	\$10,766.07	Good	Active
147077	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	MRAS Shop D101A	1331659613	12/11/2013	5	\$10,766.07	Good	Active
147078	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Fort Walton Beach	1331659543	12/11/2013	5	\$10,766.07	Good	Active
147079	Thermo	UV 03 PRIMARY STANDARD CALIBRATOR	Stuart	1331659542	12/11/2013	5	\$10,766.07	Good	Active
147080	Teledyne	T700 DYNAMIC DILUTIONCALIBRATOR	MRAS Shop D101A	1038	12/28/2013	5	\$15,313.43	Good	Active

147081	Teledyne	T700 DYNAMIC DILUTION CALIBRATOR	Ellyson Industrial Park	1039	12/28/2013	5	\$15,313.43	Good	Active
147082	Teledyne	T700 DYNAMIC DILUTION CALIBRATOR	MRAS Shop D101A	1040	12/28/2013	5	\$15,313.43	Good	Active
147571	ESC 8832	8832 AMBIENT DATA SYSTEM CONTROLLER	Stuart	A4790K	2/25/2014	5	\$7,600.00	Good	Active
147572	ESC 8832	8832 AMBIENT DATA SYSTEM CONTROLLER	MRAS Shop D101A	A4773K	2/25/2014	5	\$7,600.00	Good	Active
147891	Nova-Lynx	M202 HANDHELD DIGITAL BAROMETER	MRAS Shop D101A	1238000148	4/18/2014	5	\$1,452.85	Good	Active
148145	Thermo	CONTINUOUS PM MONITOR	St. Marks Wildlife Refuge	1405A228401405	6/18/2014	4	\$17,138.19	Good	Active
148239	Thermo	ANALYZER	St. Marks Wildlife Refuge	1417862270	6/30/2014	4	\$8,960.83	Good	Active
148240	Thermo	ANALYZER	Cocoa Beach	1417862271	6/30/2014	4	\$8,960.83	Good	Active
148241	Thermo	ANALYZER	Stuart	1417862272	6/30/2014	4	\$8,960.83	Good	Active
148242	Thermo	CALIBRATOR	Sikes Elementary School	1417862273	6/30/2014	4	\$12,231.77	Good	Active
148243	Thermo	CALIBRATOR	Rotary Park	1417862274	6/30/2014	4	\$12,231.77	Good	Active
148411	William Scotsman	PORTABLE BLDG	Pensacola NAS	B043MODB25	8/6/2014	4	\$34,799.00	Good	Active
148419	Nova-Lynx	BAROMETER	MRAS Shop D101A	N/A	8/14/2014	4	\$1,448.25	Good	Active
148420	Nova-Lynx	BAROMETER	MRAS Shop D101A	N/A	8/14/2014	4	\$1,448.25	Good	Active
148421	Nova-Lynx	BAROMETER	MRAS Shop D101A	1429000090	8/14/2014	4	\$1,448.25	Good	Active
149023	ESC 8872	DATA LOGGER	TCC	0381	2/6/2015	4	\$6,280.00	Good	Active
149365	Thermo	PARTOSOL AIR SAMPLER	Winkler Pump Station	20251W202731412	5/4/2015	4	\$12,970.08	Good	Active
149366	Thermo	AIR SAMPLERS	Ellyson Industrial Park	2025IW207201412	5/4/2015	4	\$12,970.08	Good	Active
149367	Thermo	PARTISOL AIR SAMPLER	Ellyson Industrial Park	2025IW207241412	5/4/2015	4	\$12,970.08	Good	Active
149368	Thermo	PARTISOL AIR SAMPLER	TCC	2025IW207211412	5/4/2015	4	\$12,970.08	Good	Active
149369	Thermo	PARTISOL AIR SAMPLER	TCC	2025IW207311501	5/4/2015	4	\$12,970.08	Good	Active
149468	Teledyne	CALIBRATOR	MRAS Shop D101A	242	6/12/2015	3	\$21,610.90	Good	Active
149485	ESC 8872	DATA LOGGERS	Ellyson Industrial Park	0458	6/16/2015	3	\$6,647.50	Good	Active

149486	ESC 8872	DATA LOGGERS	St. Marks Wildlife Refuge	0459	6/16/2015	3	\$6,647.50	Good	Active
149487	ESC 8872	DATA LOGGERS	MRAS Shop D101A	0460	6/16/2015	3	\$6,647.50	Good	Active
149488	ESC 8872	DATA LOGGERS	Olustee Ranger Station	461	6/16/2015	3	\$6,647.50	Good	Active
149489	ESC 8872	DATA LOGGERS	Melbourne	462	6/16/2015	3	\$6,647.50	Good	Active
149558	Teledyne	CALIBRATOR T750U 56	MRAS Shop D101A	56	7/10/2015	3	\$21,387.90	Good	Active
149559	Teledyne	CALIBRATOR	MRAS Shop D101A	57	7/10/2015	3	\$21,387.90	Good	Active
149560	Teledyne	CALIBRATOR T750U 58	MRAS Shop D101A	58	7/10/2015	3	\$21,387.90	Good	Active
149630	ESC 8872	BASE MODEL 8872 DATA ACQUISITION	Fernandina Beach	0488	9/11/2015	3	\$6,840.00	Good	Active
149631	ESC 8872	BASE MODEL 8872 DATA ACQUISITION	Yulee	0489	9/11/2015	3	\$6,840.00	Good	Active
149632	ESC 8872	BASE MODEL 8872 DATA ACQUISITION	Lake City	0487	9/11/2015	3	\$6,840.00	Good	Active
149633	ESC 8872	BASE MODEL 8872 DATA ACQUISITION	Sanford	0490	9/11/2015	3	\$6,840.00	Good	Active
149826	Thermo	431 SO2 ANALYZER	White Springs	JC1526101647	11/12/2015	3	\$11,983.43	Good	Active
149827	Thermo	431 SO2 ANALYZER	MRAS Shop D101A	JC1526101643	11/12/2015	3	\$11,983.43	Good	Active
149904	Teledyne	MODEL 602 BETAPLUS PARTICLE	MRAS Shop D101A	182	11/18/2015	3	\$48,913.44	Good	Active
149905	Teledyne	MODEL 602 BETAPLUS PARTICLE	MRAS Shop D101A	183	11/18/2015	3	\$48,913.43	Good	Active
149906	Teledyne	MODEL 602 BETAPLUS PARTICLE	MRAS Shop D101A	184	11/18/2015	3	\$48,913.43	Good	Active
149977	Thermo	TEOM 1405 MONITOR	St. Andrews State Park	1405A232741511	12/1/2015	3	\$16,881.22	Good	Active
149978	Thermo	TEOM 1405 MONITOR	Lake City	1405A232711510	12/1/2015	3	\$16,881.22	Good	Active
149979	Thermo	TEOM 1405 MONITOR	MRAS Shop D101A	1405A232961511	12/1/2015	3	\$16,881.22	Good	Active
149980	Thermo	TEOM 1405 MONITOR	Woodlawn Beach Middle School	1405A232801511	12/1/2015	3	\$16,881.22	Good	Active
149981	Thermo	TEOM 1405 MONITOR	Crystal River Preserve	1405A232951511	12/1/2015	3	\$16,881.22	Good	Active
150105	Teledyne	T700 DYNAMIC DILUTION CALIBRATOR	Palatka Barge Port	2330	1/26/2016	3	\$14,914.00	Good	Active



150106	Teledyne	T700 DYNAMIC DILUTION CALIBRATOR	Crystal River Preserve	2329	1/26/2016	3	\$14,914.00	Good	Active
150107	Teledyne	T700 DYNAMIC DILUTION CALIBRATOR	MRAS Shop D101A	2328	1/26/2016	3	\$14,914.00	Good	Active
151131	BGI	TETRACAL CALIBRATORS	MRAS Shop D101A	151505	10/12/2016	2 Year	\$2,300.00	Good	Active
151132	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151494	10/18/2016	2 Year	\$2,300.00	Good	Active
151133	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151503	10/18/2016	2 Year	\$2,300.00	Good	Active
151134	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151509	10/18/2016	2 Year	\$2,300.00	Good	Active
151135	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151498	10/18/2016	2 Year	\$2,300.00	Good	Active
151136	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151500	10/18/2016	2 Year	\$2,300.00	Good	Active
151137	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151504	10/18/2016	2 Year	\$2,300.00	Good	Active
151138	BGI	TETRACAL CALIBRATOR	MRAS Shop D101A	151493	10/18/2016	2 Year	\$2,300.00	Good	Active
152008	Teledyne	PORTAB. DYNAMIC DILUTION CALIBRATOR	Standards Lab Room B105	99	4/20/2017	25 Months	\$22,116.50	Good	Active
152012	Thermo	1405 MEMBRANE MONITOR	Baptist Children's Home	1405A239061703	4/25/2017	25 Months	\$20,264.42	Good	Active
152054	Thermo	PARITSOL PLUS SAMPLER 2025I-AV	Melbourne	2025IW11921704	5/9/2017	24 Months	\$18,201.88	Good	Active
152395	Teledyne	MASS MONITOR T640 PM	Sanford	182	6/13/2017	23 Months	\$23,307.40	Good	Active
152396	Teledyne	MASS MONITOR T640 PM	Winkler Pump Station	183	6/13/2017	23 Months	\$23,307.40	Good	Active
152397	Teledyne	MASS MONITOR T640 PM	Daytona - Blind Services	184	6/13/2017	23 Months	\$23,307.40	Good	Active
152398	Teledyne	MASS MONITOR T640 PM	TCC	185	6/13/2017	23 Months	\$23,307.40	Good	Active
152399	Teledyne	MASS MONITOR T640 PM	MRAS Shop D101A	186	6/13/2017	23 Months	\$23,799.20	Good	Active
152472	Teledyne	T300U CO ANALY 2 PK	St. Marks Wildlife Refuge	SN378	7/11/2017	22 Months	\$13,181.50	Good	Active
152514	Thermo	1405 AVF TEOM	MRAS Shop D101A	1405A239561706	7/14/2017	22 Months	\$20,264.42	Good	Active
152515	Thermo	1405 AVF TEOM	Daytona - Blind Services	1405A239571706	7/14/2017	22 Months	\$20,264.42	Good	Active

152516	Thermo	1405 AVF TEOM	Sanford	1405A239551706	7/14/2017	22 Months	\$20,264.42	Good	Active
152604	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	Winkler Pump Station	717	7/25/2017	22 Months	\$6,840.00	Good	Active
152605	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101A	718	7/25/2017	22 Months	\$6,840.00	Good	Active
152606	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101A	719	7/25/2017	22 Months	\$6,840.00	Good	Active
152607	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	Baptist Children's Home	720	7/25/2017	22 Months	\$6,840.00	Good	Active
152608	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	Daytona - Blind Services	721	7/25/2017	22 Months	\$6,840.00	Good	Active
152635	Teledyne	T100U ANALYZER	St. Marks Wildlife Refuge	278	7/27/2017	22 Months	\$12,686.50	Good	Active
152636	Teledyne	T200U ANALYZER	St. Marks Wildlife Refuge	334	7/27/2017	22 Months	\$22,831.50	Good	Active
153217	Thermo	1405 AVF TEOM	Laurel Oak Elementary	1405A240341711	11/14/2017	18 Months	\$20,264.42	Good	Active
153218	Thermo	1405 AVF TEOM	Winkler Pump Station	1405A240351711	11/14/2017	18 Months	\$20,264.42	Good	Active
153345	Teledyne	MASS MONITOR T640 PM	MRAS Shop D101A	281	11/28/2017	18 Months	\$23,307.40	Good	Active
153346	Teledyne	MASS MONITOR T640 PM	MRAS Shop D101A	282	11/28/2017	18 Months	\$23,307.40	Good	Active
153347	Teledyne	MASS MONITOR T640 PM	MRAS Shop D101A	283	11/28/2017	18 Months	\$23,307.40	Good	Active
153348	Teledyne	MASS MONITOR T640 PM	Baptist Children's Home	284	11/28/2017	18 Months	\$23,307.40	Good	Active
153384	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Palatka Barge Port	777	2/19/2018	15 Months	\$6,795.00	Good	Active
153385	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101	775	2/19/2018	15 Months	\$6,795.00	Good	Active
153386	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Ocala - YMCA	776	2/19/2018	15 Months	\$6,795.00	Good	Active
153387	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Crystal River Preserve	769	2/19/2018	15 Months	\$6,795.00	Good	Active
153388	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Marion County Sheriff	770	2/19/2018	15 Months	\$6,795.00	Good	Active
153389	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Paynes Prairie Farm	771	2/19/2018	15 Months	\$6,795.00	Good	Active
153390	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Pensacola NAS	772	2/19/2018	15 Months	\$6,795.00	Good	Active

153391	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	St. Andrews State Park	773	2/19/2018	15 Months	\$6,795.00	Good	Active
153392	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Woodlawn Beach Middle School	774	2/19/2018	15 Months	\$6,795.00	Good	Active
153393	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	Bonifay Tri-County Airport	778	2/19/2018	15 Months	\$6,795.00	Good	Active
154057	PolyScience	RFG Circulating Water Bath.	Standards Lab Room B105	1803-02276	5/3/2018	12 Months	\$2,441.65	Good	Active
154059	Thermo	1405 AVF TEOM	St. Andrews State Park	1405A240911803	5/4/2018	12 Months	\$20,565.75	Good	Active
154510	Teledyne	API T 640X	MRAS Shop D101	438	5/18/2018	12 Months	\$35,000.00	Good	Active
154511	Teledyne	API T 640X	Daytona - Blind Services	437	5/18/2018	12 Months	\$35,000.00	Good	Active
155232	Nova-Lynx	BAROMETER	MRAS Shop D101	1739000191	11/6/2018	6 Months	\$1,874.50	Good	Active
155233	Nova-Lynx	BAROMETER	MRAS Shop D101	1739000193	11/6/2018	6 Months	\$1,874.50	Good	Active
155234	Nova-Lynx	BAROMETER	MRAS Shop D101	1742000143	11/6/2018	6 Months	\$1,874.50	Good	Active
155235	Nova-Lynx	BAROMETER	First Coast	1742000144	11/6/2018	6 Months	\$1,874.50	Good	Active
155236	Nova-Lynx	BAROMETER	MRAS Shop D101	1742000145	11/6/2018	6 Months	\$1,874.50	Good	Active
155250	Teledyne	T750U Calibration	Standards Lab Room B105	152	11/1/2018	6 Months	\$23,137.50	Good	Active
155264	Met One	AIO2 All In one Sensor	TCC	X10698	11/20/2018	6 Months	\$2,245.50	Good	Active
155265	Met One	AIO2 All In one Sensor	MRAS Shop D101	X25001	11/20/2018	6 Months	\$2,245.50	Good	Active
155266	Met One	AIO2 All In one Sensor	MRAS Shop D101	X25002	11/20/2018	6 Months	\$2,245.50	Good	Active
155267	Met One	AIO2 All In one Sensor	St. Mark's Wildlife Refuge	X25003	11/20/2018	6 Months	\$2,245.50	Good	Active
155366	BGI	Flow Reference	Space Coast	166082	11/27/2018	5 Months	\$2,725.50	Good	Active
155367	BGI	Flow Reference	MRAS Shop D101	166083	11/27/2018	5 Months	\$2,725.50	Good	Active
155368	BGI	Flow Reference	MRAS Shop D101	166084	11/27/2018	5 Months	\$2,725.50	Good	Active
155369	BGI	Flow Reference	MRAS Shop D101	166229	11/27/2018	5 Months	\$2,725.50	Good	Active

155370	BGI	Flow Reference	MRAS Shop D101	166230	11/27/2018	5 Months	\$2,725.50	Good	Active
155371	BGI	Flow Reference	MRAS Shop D101	166231	11/27/2018	5 Months	\$2,725.50	Good	Active
155372	BGI	Flow Reference	MRAS Shop D101	166232	11/27/2018	5 Months	\$2,725.50	Good	Active
155373	BGI	Flow Reference	Forgotten Coast	166233	11/27/2018	5 Months	\$2,725.50	Good	Active
155374	BGI	Flow Reference	MRAS Shop D101	166234	11/27/2018	5 Months	\$2,725.50	Good	Active
155375	BGI	Flow Reference	MRAS Shop D101	166235	11/27/2018	5 Months	\$2,725.50	Good	Active
155460	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	865	2/21/2019	3 Months	\$8,550.00	Good	Active
155461	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	866	2/21/2019	3 Months	\$8,550.00	Good	Active
155462	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	867	2/21/2019	3 Months	\$8,550.00	Good	Active
155463	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	868	2/21/2019	3 Months	\$8,550.00	Good	Active
155469	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	874	2/21/2019	3 Months	\$8,550.00	Good	Active
155465	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	870	2/21/2019	3 Months	\$8,550.00	Good	Active
155466	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	871	2/21/2019	3 Months	\$8,550.00	Good	Active
155467	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	872	2/21/2019	3 Months	\$8,550.00	Good	Active
155464	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	869	2/21/2019	3 Months	\$8,550.00	Good	Active
155468	Agilaire 8872	AGILAIRE DATA ACQUISITION SYSTEM	MRAS Shop D101B	873	2/21/2019	3 Months	\$8,550.00	Good	Active
155517	Thermo	146IQ Dynamic Gas Calibrator	MRAS Shop D101B	1182980003	2/28/2019	2 Months	\$21,107.73	Good	Active
BL605005	Wells Cargo	AIR MONITORING SHELTER 4833	Osceola County Fire Station	1WC200J19Y3043548	10/4/2000	18	\$9,094.40	Good	Active
BL605007	Wells Cargo	AIR MONITORING SHELTER 4828	Laurel Oak Elementary	1WC200J17Y3043550	10/4/2000	18	\$9,094.40	Good	Active
BL605008	Wells Cargo	AIR MONITORING SHELTER 4829	Lake City	1WC200J10Y3043552	10/4/2000	18	\$9,094.40	Good	Active
BL605009	Wells Cargo	AIR MONITORING SHELTER 4830	Clermont	1WC200J13Y3043445	10/4/2000	18	\$9,094.40	Good	Active

BL605010	Wells Cargo	AIR MONITORING SHELTER 4831	Fort Walton Beach	1WC200J19Y3043551	10/4/2000	18	\$9,094.40	Good	Active
BL605011	Wells Cargo	AIR MONITORING SHELTER 4832	St. Andrews State Park	1WC200J14Y3043554	10/4/2000	18	\$9,094.40	Good	Active
BL605012	Wells Cargo	AIR MONITORING SHELTER 4834	San Antonio	1WC200J10Y3043549	10/4/2000	18	\$9,094.40	Good	Active
BL605014	Wells Cargo	AIR MONITORING SHELTER 4845	Archbold Biological Station	N/A	10/4/2000	18	\$9,094.40	Good	Active
BL605016	Wells Cargo	AIR MONITORING SHELTER	Marion County Sheriff	N/A	10/4/2000	18	\$9,094.40	Good	Active
BL605019	Wells Cargo	AIR MONITORING SHELTER 4955	Palatka Barge Port	1P9BW1227BM652286	10/4/2000	18	\$9,094.40	Good	Active
ER017411	Teledyne	LINEAR MASS FLOWMETER/TRANSDCR	Standards Lab Room B105	0-13344	5/31/1983	36	\$1,281.35	Good	Active
ER022570	N/A	HETOCAL TEMPERATURE CALIBRAT. BATH	Standards Lab Room B105	MODEL KB22-2	11/15/1985	33	\$5,860.00	Good	Active
ER026441	Aluma Tower	MET TOWER	Daytona - Blind Services	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER029230	Teledyne	HASTINGS POWER SUPPLY MDL. 400	Standards Lab Room B105	168	3/8/1991	28	\$3,187.66	Good	Active
ER030277	Wells Cargo	91 WELLS CRGO 8'X20' TRL	Port Orange	1WC200J19M3022127	10/2/1991	27	9/10/1924	Good	Active
ER030279	Wells Cargo	'91 WELLS CRGO 8'X20' TRL TAG#24125	Winkler Pump Station	1WC200J12M3022129	10/2/1991	27	9/10/1924	Good	Active
ER030280	Wells Cargo	'91 WELLS CRGO 8'X20' TRL TAG#24127	Holiday	1WC200J19M3022130	10/2/1991	27	\$9,020.00	Good	Active
ER030281	Wells Cargo	'91 WELLS CRGO 8'X20' TRL TAG#24126	Baptist Children's Home	1WC200J1CM3022131	10/2/1991	27	\$9,020.00	Good	Active
ER031033	Aluma Tower	MET TOWER	Osceola County Fire Station	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER031034	Aluma Tower	MET TOWER	Port Orange	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER031035	Aluma Tower	MET TOWER	Laurel Oak Elementary	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER031036	Aluma Tower	10M ALUMINUM CRANK-UP TOWER W/TBASE	Baptist Children's Home	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER031037	Aluma Tower	10M ALUMINUM CRANK-UP TOWER W/TBASE	Holiday	N/A	11/21/1991	27	\$1,148.00	Good	Active
ER031217	Wells Cargo	'92 WELLS CARGO TRAILER TAG#24129	Sikes Elementary School	1WC200J12N3022729	1/31/1992	27	\$8,991.03	Good	Active
ER031305	Wells Cargo	'92 WELLS CARGO TRAILER TAG#23938	Ocala - YMCA	1WC200J1XN3022977	3/26/1992	27	\$8,791.02	Good	Active
ER032844	N/A	MASS FLOW METER	Standards Lab Room B105	13142/18003	1/25/1993	26	\$1,723.45	Good	Active

EPA Supplied	Aluma Tower	Aluma Tower T-13512	St. Marks Wildlife Refuge	214005.Z.2-3	7/3/2014	4	\$0.00	Good	Active
EPA Supplied	Teledyne	Teledyne API T700U	St. Marks Wildlife Refuge	203	7/3/2014	4	\$0.00	Good	Active
EPA Supplied	CAS 9003	CAS 9003 Series Shelter standalone ambient air monitoring enclosure.	St. Marks Wildlife Refuge	4072	7/3/2014	4	\$0.00	Good	Active
EPA Supplied	ESC 8872	AGILAIRE DATA ACQUISITION SYSTEM	White Springs	236	7/3/2014	4	\$0.00	Good	Active
EPA Supplied	Thermo	R&P 2025 Sampler (EPA purchased, no DEP #)	Baptist Children's Home	2025A203949806	6/1/1998	20	\$0.00	Good	Active

**Hillsborough County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
163503	Thermo43i	Sulfur Dioxide Analyzer	Apollo Beach	1151660006	10/31/2015	3	\$11,905.40	Good	Active
172237	Thermo1405	TEOM PM Analyzer	Apollo Beach	1405A240991803	4/9/2018	0	\$20,565.75	Good	Active
N/A	ADS	Zero Air System	Apollo Beach	N/A	1/1/1999	20	N/A	Good	Active
162036	Thermo146i	Dynamic Gas Calibrator	Apollo Beach	1150560040	3/11/2015	3	\$11,000.00	Good	Active
105560	Agilaire8832	Data Logger	Apollo Beach	A4032K	10/15/1997	21	\$2,250.00	Good	Active
N/A	TischTE-1000	High Volume Sampler	CSX Railyard	VFC P7639	8/12/2010	8	N/A	Good	Active
N/A	TischTE-1000	High Volume Sampler	CSX Railyard	VFC P7669	8/12/2010	8	N/A	Good	Active
131962	ESC8816	Data Logger	CSX Railyard	5025	11/13/2003	15	\$6,255.00	Good	Active
159672	Thermo49i	Ozone Analyzer	Davis Island	1417062039	6/19/2014	4	N/A	Good	Active
159674	Thermo43i	Sulfur Dioxide Analyzer	Davis Island	JC1411401168	5/20/2014	4	\$11,905.40	Good	Active
164239	Thermo1405	TEOM PM Analyzer	Davis Island	1405A233691512	4/30/2016	2	\$19,162.26	Good	Active
157344	Teledyne-API701	Zero Air System	Davis Island	4536	6/12/2013	5	\$3,645.00	Good	Active
139231	Thermo49i PS	Ozone Calibrator	Davis Island	0619417393	6/29/2006	12	\$9,567.50	Good	Active
162037	Thermo146i	Dynamic Gas Calibrator	Davis Island	1150560039	3/12/2015	3	\$13,000.00	Good	Active
105558	Agilaire8832	Data Logger	Davis Island	A3193K	10/15/1997	21	\$2,250.00	Good	Active
162635	Thermo43i	Sulfur Dioxide Analyzer	East Bay	1151630005	6/30/2015	3	\$11,905.40	Good	Active
162086	Teledyne-API701H	Zero Air System	East Bay	115	5/11/2015	3	\$7,110.00	Good	Active
105566	Agilaire8832	Data Logger	East Bay	A4031K	10/15/1997	21	\$2,250.00	Good	Active
172238	Thermo1405	TEOM PM Analyzer	Gandy	1405A241001803	4/9/2018	0	\$20,565.75	Good	Active
169938	Thermo49iQ	Ozone Analyzer	Gandy	1181870059	6/15/2017	1	\$11,640.00	Good	Active
142736	Thermo49i PS	Ozone Calibrator	Gandy	0717722871	7/20/2007	11	\$9,583.68	Good	Active
173298	Teledyne-API701	Zero Air System	Gandy	1250	8/1/2018	0	\$4,385.00	Good	Active
105564	Agilaire8832	Data Logger	Gandy	A3123K	10/15/1997	21	\$2,250.00	Good	Active
161072	Thermo1405	TEOM PM Analyzer	Gardinier Park	1405A229161408	10/20/2014	4	\$17,290.00	Good	Active
118149	Agilaire8832	Data Logger	Gardinier Park	A4030K	9/6/2001	17	\$6,080.00	Good	Active
N/A	TischTE-1000	High Volume Sampler	Johnson Control	VFC P7808	1/1/2010	9	N/A	Good	Active
N/A	TischTE-1000	High Volume Sampler	Kenly	VFC P7539	6/3/2010	8	N/A	Good	Active

157304	Teledyne-API633	Aethalometer	Munro Street	AE33-S01-00093	5/22/2013	5	\$20,292.80	Good	Active
157307	Teledyne-APIT300U	CO Analyzer	Munro Street	124	5/22/2013	5	\$12,578.10	Good	Active
157308	Teledyne-APIT200UP	NO2 Analyzer	Munro Street	75	5/22/2013	5	\$24,934.80	Good	Active
158964	Thermo5014i	PM2.5 Analyzer	Munro Street	13381008	2/24/2014	5	\$19,183.60	Good	Active
157303	Teledyne-API651	Ultrafine Particle Counter	Munro Street	M651130402	5/22/2013	5	\$24,399.50	Good	Active
155474	Teledyne-APIT700U	Dynamic Gas Calibrator	Munro Street	268/295	5/9/2012	6	\$12,775.61	Good	Active
157305	Teledyne-API701H	Zero Air System	Munro Street	678	5/22/2013	5	\$6,815.10	Good	Active
157299	Agilaire8832	Data Logger	Munro Street	A4646K	5/31/2013	5	\$9,690.00	Good	Active
N/A	TischTE-1000	High Volume Sampler	Patent	VFC P7807	6/3/2010	8	N/A	Good	Active
162633	Thermo49i	Ozone Analyzer	Simmons Park	1151660004	7/1/2015	3	\$9,139.00	Good	Active
N/A	Teledyne-API701	Zero Air System	Simmons Park	481	1/1/2016	3	\$4,385.00	Good	Active
162634	Thermo49i PS	Ozone Calibrator	Simmons Park	1151660005	7/1/2015	3	\$12,587.00	Good	Active
131960	Agilaire8832	Data Logger	Simmons Park	A3124K	11/13/2003	15	\$5,000.00	Good	Active
161613	URG3000N	Carbon Sampling System	Sydney	B1164	3/3/2015	3	\$13,026.77	Good	Active
N/A	ERG Carbonyl Sampler	Carbonyl Sampling System	Sydney	C-6	Rotating		N/A	Good	Active
158214	Thermo5014i	PM2.5 Analyzer	Sydney	CM13181009	7/11/2013	5	\$17,860.50	Good	Active
159671	Thermo42i-Y	NOy Analyzer	Sydney	1417162075	6/24/2014	4	\$25,756.36	Good	Active
N/A	Thermo49i	Ozone Analyzer	Sydney	1171160008	5/11/2017	1	N/A	Good	Active
55972	General MetalsPM10	Particulate Size Selective Inlet	Sydney	593	10/5/1988	30	\$1,980.00	Good	Active
87043	General MetalsPM10	Particulate Size Selective Inlet	Sydney	597	10/5/1988	30	\$1,980.00	Good	Active
0169326	Thermo2025i	PM2.5 Sampler	Sydney	2025IW2 1164 1703	3/23/2017	1	\$18,430.75	Good	Active
0169293	Thermo2025i	PM2.5 Sampler	Sydney	2025IW2 1163 1703	3/23/2017	1	\$20,148.56	Good	Active
0169325	Thermo2025i	PM2.5 Sampler	Sydney	2025IW2 1151 1702	3/23/2017	1	\$20,148.56	Good	Active
N/A	TischTE-1000	PUF Air Sampler	Sydney	11038	N/A	N/A	N/A	Good	Active
N/A	GrasebyTE-1000	PUF Air Sampler	Sydney	N/A	N/A	N/A	N/A	Good	Active
150562	Thermo43iTLE	SO2 Analyzer Trace	Sydney	910735777	4/21/2009	9	\$11,448.30	Good	Active
N/A	Met One SASS	Speciation Aerosol Sampling System	Sydney	A4037	1/13/2005	14	N/A	Good	Active



164406	Thermo48i TLE	Carbon Monoxide Trace level	Sydney	1160990209	7/25/2016	2	\$17,149.70	Good	Active
N/A	Dwyer475-2 Mark III	Digital Manometer	Sydney	N32JA	N/A	N/A	N/A	Good	Active
N/A	Thermo49i PS	Ozone Calibrator	Sydney	1171160007	5/9/2017	1	N/A	Good	Active
157306	Teledyne-APIT700U	Multi-gas Dilution Calibrator	Sydney	612/301	5/22/2013	5	\$16,178.80	Good	Active
159102	BGITriCal	TetraCal Flow Standard	Sydney	964	N/A	N/A	N/A	Good	Active
162087	Teledyne-API701H	Zero Air System	Sydney	114	5/11/2015	3	\$7,110.00	Good	Active
157300	Agilaire8832	Data Logger	Sydney	A4645K	5/31/2013	5	\$9,690.00	Good	Active
139230	Thermo49i	Ozone Analyzer	AMD Lab	0619417392	6/29/2006	12	\$7,077.00	Good	Inactive
142735	Thermo49i	Ozone Analyzer	AMD Lab	0717722870	7/20/2007	11	\$7,092.77	Good	Inactive
113125	Thermo43C	SO2 Analyzer	AMD Lab	43C-64052-342	9/30/1999	19	\$8,460.00	Good	Inactive
153251	Met OneBAM1020	Beta Gauge System	AMD Lab	K18874	11/29/2010	8	\$16,612.50	Good	Inactive
153252	Met OneBAM1020	Beta Gauge System	AMD Lab	K18875	11/29/2010	8	\$16,612.50	Good	Inactive
130567	Thermo146C	Dynamic Gas Calibrator	AMD Lab	0401304578	1/29/2004	15	\$8,805.00	Good	Inactive
107287	Thermo146C	Dynamic Gas Calibrator	AQML	146C-60763-328	7/20/1998	20	\$10,230.00	Good	Inactive
130566	Thermo146C	Dynamic Gas Calibrator	AMD Lab	0401304577	1/29/2004	15	\$8,805.00	Good	Inactive
118924	Thermo146C	Dynamic Gas Calibrator	AMD Lab	146C-71430-368	10/26/2001	17	\$7,925.00	Good	Inactive
123699	Thermo146C	Dynamic Gas Calibrator	AMD Lab	146C-74126-375	5/28/2002	16	\$7,924.50	Good	Inactive
107295	Thermo146C	Dynamic Gas Calibrator	AMD Lab	146C-60569-327	7/20/1998	20	\$7,128.66	Good	Inactive
132072	BGITriCal	TetraCal Flow Standard	EPC Office	134	5/27/2004	14	\$2,027.50	Good	Inactive
132073	BGITriCal	TetraCal Flow Standard	EPC Office	135	5/27/2004	14	\$2,027.50	Good	Inactive
162688	Agilaire8872	Data Logger	AMD Lab	478	9/3/2015	3	\$9,000.00	Good	Inactive
N/A	TischTE-5170-DV TSPVFC	High Volume Sampler	EPC Boat House	P7404	N/A	N/A	N/A	Good	Inactive
N/A	TischTE-5170-DV TSPVFC	High Volume Sampler	EPC Boat House	P7405	N/A	N/A	N/A	Good	Inactive
N/A	TischTE-5170-DV TSPVFC	High Volume Sampler	EPC Boat House	P7406	N/A	N/A	N/A	Good	Inactive
N/A	TischTE-5170-DV TSPVFC	High Volume Sampler	EPC Boat House	P7407	N/A	N/A	N/A	Good	Inactive
N/A	TischTE-5170-DV TSPVFC	High Volume Sampler	EPC Boat House	P7408	N/A	N/A	N/A	Good	Inactive
102851	Thermo49C	Ozone Analyzer	AMD Lab	N/A	10/17/1996	22	\$3,250.00	Good	Inactive
N/A	Thermo146i	Dynamic Gas Calibrator	AMD Lab	1171160009	5/4/2017	1	N/A	Good	Inactive
N/A	Thermo49iPS	Ozone Calibrator	AMD Lab	N/A	N/A	N/A	N/A	Good	Inactive

N/A	Thermo49i	Ozone Analyzer	AMD Lab	CM08320014	N/A	N/A	N/A	Good	Inactive
55972	General MetalsPM10	Particulate Size Selective Inlet	EPC Boat House	595	10/6/1988	30	\$3,513.31	Good	Inactive
118921	Thermo49C	Ozone Analyzer	EPC Office	49C-71572-369	9/30/2001	17	\$6,354.00	Good	Inactive
N/A	URG3000N	Carbon Sampling System	AMD Lab	3N-B0356	1/1/2009	10	N/A	Good	Inactive
146302	TischPUF	PUF Air Sampler	EPC Boat House	2958	7/17/2008	10	\$2,645.00	Good	Inactive
135869	Thermo43CTLE	SO2 Analyzer Trace	AMD Lab	0509111179	6/30/2005	13	\$11,980.00	Good	Inactive
115247	R&P1400ab	TEOM PM Analyzer	AMD Lab	140AB231200006	8/31/2000	18	\$17,590.00	Good	Inactive
N/A	Thermo2025i	PM2.5 Sampler	AMD Lab	2025i20611201	3/12/2012	6	N/A	Good	Inactive

Manatee County									
Property /Identification No.	Manufacturer and Model No.	Description	Location	Serial No.	Acquisition Date	Age	Initial Cost	Condition	Status
N/A	Thermo 49i PS	PS	Port	1311657726	2011	8	\$10,417.00	Good	Active
N/A	Thermo 49i PS	PS	39th	1116648522	2011	8	\$10,417.00	Good	Active
N/A	Thermo 49i PS	PS	Gt Bray	1023843898	2013	6	\$10,417.00	Good	Active
N/A	2b Technologies 202	O3 Monitor	Gt Bray	903	2010	9	\$5,000.00	Good	Active
N/A	2b Technologies 202	O3 Monitor	Office	1221	2012	7	\$5,000.00	Good	Active
N/A	2b Technologies 202	O3 Monitor	39th	1092	2011	8	\$5,000.00	Good	Active
N/A	2b Technologies 202	O3 Monitor	Office	1094	2011	8	\$5,000.00	Good	Back-Up
N/A	2b Technologies 205	O3 Monitor	Port	1462DB	2017	N/A	\$5,000.00	Good	Active
N/A	2b Technologies 306	O3 Generator	Office	180	2017	N/A	\$3,000.00	Good	Active
N/A	ESC Datalogger 8872	Data Logger	39th	8872_385	2014	5	\$7,640.00	Good	Active
N/A	ESC Datalogger 8872	Data Logger	Gt Bray	8872_0796	2017	2	\$7,640.00	Good	Active
N/A	ESC Datalogger 8872	Data Logger	Port	8872_0854	2018	1	\$7,640.00	Good	Active
N/A	ESC Datalogger 8832	Data Logger	Office	A4002K	2012	7	\$7,640.00	Good	Back-Up
N/A	ESC Datalogger 8832	Data Logger	Office	A1583K	2006	13	\$7,640.00	Good	Back-Up
N/A	ESC Datalogger 8832	Data Logger	Office	A3763k	2011	8	\$7,640.00	Good	Back-Up
N/A	RM Young 85000	Anemometer	Port	N/A	2011	8	\$1,390.00	Good	Active
N/A	RM Young 85000	Anemometer	Gt Bray	N/A	2011	8	\$1,390.00	Good	Active
N/A	RM Young 85000	Anemometer	39th	N/A	2013	6	\$1,390.00	Good	Active
N/A	Fluke 51 II	Thermometer	Office	14390153	2010	9	\$270.00	Good	Active
N/A	Bios 220 Definer	Flow Sensor	Office	135621	2014	5	\$2,125.00	Good	Active
N/A	Fluke 715	Voltage Generator	Office	2799124	2014	5	\$1,200.00	Good	Active
N/A	Fluke 175	Volt Meter	Office	41440651	2018	1	\$300.00	Good	Active
N/A	Fluke 175	Volt Meter	Office	15880829	2011	8	\$300.00	Good	Active
N/A	Fluke 1623-2	Ground tester	Office	St144506177B2	2012	7	\$2,700.00	Good	Active
N/A	Air Monitoring Trailer	Shelter	Gt Bray	N/A	2016	3	\$18,335.00	Good	Active
N/A	Air Monitoring Trailer	Shelter	Port	N/A	2012	7	\$18,335.00	Good	Active
N/A	Air Monitoring Trailer	Shelter	39th	N/A	1998	21	\$18,335.00	Fair	Active
N/A	Gast 1HAB-11T-M100x	Zero Air	Gt Bray	N/A	2018	1	\$1,082.05	Good	Active
N/A	Gast 1HAB-11T-M100x	Zero Air	Port	N/A	2018	1	\$1,082.05	Good	Active
N/A	Gast 1HAB-11T-M100x	Zero Air	39th	N/A	2018	1	\$1,082.05	Good	Active

N/A	Gast 1HAB-11T-M100x	Zero Air	Gt Bray	N/A	N/A	N/A	\$1,082.05	Fair	Back-Up
N/A	Gast 1HAB-11T-M100x	Zero Air	Port	N/A	N/A	N/A	\$1,082.05	Fair	Back-Up
N/A	Gast 1HAB-11T-M100x	Zero Air	39th	N/A	N/A	N/A	\$1,082.05	Fair	Back-Up
N/A	Gast 1HAB-11T-M100x	Zero Air	Office	N/A	N/A	N/A	\$1,082.05	Fair	Back-Up
N/A	Omega 303AV	Shelter Temp	Port	60637	2018	1	\$330.00	Good	Active
N/A	Omega 303AV	Shelter Temp	39th	60640	2018	1	\$330.00	Good	Active
N/A	Omega 303AV	Shelter Temp	Gt Bray	60937	2018	1	\$330.00	Good	Active
N/A	Lab Comp ATX	Shelter Temp	Gt Bray	182	N/A	N/A	\$255.00	Fair	Back-Up
N/A	Lab Comp ATX	Shelter Temp	Port	183	N/A	N/A	\$255.00	Fair	Back-Up
N/A	Lab Comp ATX	Shelter Temp	39th	189	N/A	N/A	\$255.00	Fair	Back-Up
N/A	Extech AN400	Anemometer	Office	N/A	N/A	N/A	\$189.00	Fair	Active
N/A	Glen Martin MF1331	Met Tower	Port	N/A	2016	3	\$5,260.00	Good	Active
N/A	Glen Martin MF1331	Met Tower	Gt Bray	N/A	1998	21	\$5,260.00	Fair	Active
N/A	Glen Martin MF1331	Met Tower	39th	N/A	1998	21	\$5,260.00	Fair	Active
N/A	Omega HX93bv1-D	Temp Sensor	Office	N/A	2015	4	\$255.00	Good	Back-Up
N/A	Omega HX93bv1-D	Temp Sensor	Office	N/A	2013	6	\$255.00	Good	Back-Up
N/A	Airlink GX400	Communications	Gt Bray	N/A	2012	7	\$750.00	Good	Active
N/A	Airlink GX400	Communications	Port	N/A	2012	7	\$750.00	Good	Active
N/A	Airlink GX400	Communications	39th	N/A	2012	7	\$750.00	Good	Active
N/A	Various	Dehumidifier	39th	N/A	N/A	N/A	\$230.00	Fair	Active
N/A	Various	Dehumidifier	Port	N/A	N/A	N/A	\$230.00	Fair	Active
N/A	Various	Dehumidifier	Gt Bray	N/A	N/A	N/A	\$230.00	Fair	Active

**Miami-Dade County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
ID Requested	Thermo 1405	PM Analyzer	Office	1405A242751901	2/15/2019	0	\$20,680.00	Good	Active
655487	Thermo 1400A	PM Analyzer	Kendall	140AB246900307	7/18/2003	16	\$20,544.00	Good	Active
655488	Thermo 1400A	PM Analyzer	Homestead Fire Station	140AB246910307	7/18/2003	16	\$20,544.00	Good	Active
ID Requested	Thermo 2025i	PM2.5 Sampler	Miami Fire Station	2025i W20908 1509	9/17/2015	4	\$18,200.00	Good	Active
808752	Teledyne 300E	CO Analyzer	Lab Annex	2231	9/29/2008	11	\$6,600.00	Good	Active
828399	Thermo 43I	SO2 Analyzer	Pennsuco	1305956985	2012	7	\$12,120.00	Good	Active
847867	Thermo 49I	Ozone Analyzer	Perdue	1429063113	10/2/2014	5	\$8,260.00	Good	Active
847984	Thermo 49I	Ozone Analyzer	Perdue	1429063114	10/9/2014	5	\$8,260.00	Good	Active
821943	Thermo 49I-PS	Ozone Calibrator	Perdue	1106747387	2012	7	\$11,500.00	Good	Active
828400	Thermo 49I-PS	Ozone Calibrator	Rosenstiel	1303256525	2012	7	\$11,500.00	Good	Active
650571	Enviro-nics 6100	Calibrator	Lab Annex	2988	9/9/2002	17	\$9,800.00	Good	Active
847518	Enviro-nics 6100	Calibrator	Pennsuco	6149	6/12/2014	5	\$9,800.00	Good	Active
850706	Enviro-nics 6100	Calibrator	Rosenstiel	6255	3/23/2015	4	\$9,800.00	Good	Active
852468	ESC 8872	Data Logger	Perimeter Road	0480	2017	2	\$9,125.00	Good	Active
854375	ESC 8872	Data Logger	Perdue	0582	2017	2	\$9,125.00	Good	Active
857329	ESC 8872	Data Logger	Rosenstiel	0693	2017	2	\$9,125.00	Good	Active
857331	ESC 8872	Data Logger	Lab Annex	0692	2017	2	\$9,125.00	Good	Active
819570	Teledyne M701	Zero Air Generator	Lab Annex	3299	2012	7	N/A	Good	Active
819574	Teledyne M701	Zero Air Generator	Pennsuco	3295	2012	7	N/A	Good	Active
819575	Teledyne M701	Zero Air Generator	Rosenstiel	3298	2012	7	N/A	Good	Active
856743	Teledyne T200	NO2 Analyzer	Lab Annex	3574	2017	2	\$11,500.00	Good	Active
847698	Teledyne T200	NO2 Analyzer	Rosenstiel	1550	9/3/2014	5	\$11,500.00	Good	Active
841289	Teledyne T200UP	NO2 TL Monitor	Perimeter Road	117	2018	1	\$24,700.00	Good	Active
ID Requested	Teledyne API T640X	PM2.5 & PM10 Analyzer	Office	213	2017	2	\$35,395.00	Good	Active
841290	Teledyne API T640X	PM2.5 & PM10 Analyzer	Miami Fire Station	287	2017	2	\$35,395.00	Good	Active
854236	Teledyne T700U	Calibrator	Perimeter Road	257	7/31/2015	4	\$21,970.00	Good	Active

853352	Teledyne T701H	Zero Air Generator	Perimeter Road	145	7/31/2015	4	\$7,850.00	Good	Active
609076	737	Zero Air Generator	Office	2645	1/21/1999	20	N/A	Good	Inactive
609076	737	Zero Air Generator	Office	2645	1/21/1999	20	N/A	Good	Inactive
ID Requested	Thermo 1405	PM Analyzer	Office	1405A242551812	12/30/2018	1	\$20,680.00	Good	Inactive
ID Requested	Thermo 1405	PM Analyzer	Office	1405A242751901	12/30/2018	1	\$20,680.00	Good	Inactive
659433	Thermo 2025	PM2.5 Sampler	Office	2025B216240304	7/18/2003	16	N/A	Poor	Inactive
655485	ESC 8816	Data Logger	Office	4948	7/14/2003	16	N/A	Good	Inactive
640071	ESC 8816	Data Logger	Office	1585	3/1/2002	17	N/A	Good	Inactive
640070	ESC 8816	Data Logger	Office	4442	3/1/2002	17	N/A	Good	Inactive
640068	ESC 8816	Data Logger	Office	4440	3/1/2002	17	N/A	Good	Inactive
640069	ESC 8816	Data Logger	Office	4441	3/1/2002	17	N/A	Good	Inactive
640072	ESC 8816	Data Logger	Office	4444	3/1/2002	17	N/A	Good	Inactive
640073	ESC 8816	Data Logger	Office	4445	3/1/2002	17	N/A	Good	Inactive
640067	ESC 8816	Data Logger	Office	4439	3/1/2002	17	N/A	Good	Inactive
655484	ESC 8816	Data Logger	Office	48C-60244-327	7/14/2003	16	N/A	Poor	Inactive
640074	ESC 8816	Data Logger	Office	4437	3/1/2002	17	N/A	Poor	Inactive
650647	ESC 8816	Data Logger	Office	0331002823	9/13/2002	17	N/A	Poor	Inactive
650648	ESC 8816	Data Logger	Office	48C-62461-335/5	9/13/2002	17	N/A	Poor	Inactive
828028	ESC 8832	Data Logger	Office	A4448K	2010	9	\$6,600.00	Good	Inactive
828029	ESC 8832	Data Logger	Office	A4446K	2010	9	\$6,600.00	Good	Inactive
828030	ESC 8832	Data Logger	Office	A4449K	2010	9	\$6,600.00	Good	Inactive
527508	1200	PM10 Head	Office	2117	7/27/1993	26	N/A	Good	Inactive
496260	1200	PM10 Head	Office	2747	5/10/1988	31	N/A	Good	Inactive
496261	1200	PM10 Head	Office	2748	5/10/1988	31	N/A	Good	Inactive
655489	Thermo 1400A	PM Analyzer	Office	140AB246890307	9/4/2009	10	\$20,544.00	Poor	Inactive
661185	Thermo 2025i	PM2.5 Sampler	Office	2025B217240408	9/14/2004	15	N/A	Good	Inactive
659434	Thermo 2025i	PM2.5 Sampler	Office	2025B216110301	7/18/2003	16	N/A	Poor	Inactive
659435	Thermo 2025i	PM2.5 Sampler	Office	2025B216260304	7/18/2003	16	N/A	Poor	Inactive
661184	Thermo 2025i	PM2.5 Sampler	Office	2025B217190408	7/18/2003	16	N/A	Poor	Inactive
ID Requested	Thermo 2025i	PM2.5 Sampler	Office	2025iW210901606	7/8/2016	3	\$18,200.00	Good	Inactive
854398	Thermo 2025i	PM2.5 Sampler	Office	2025iW210421605	9/17/2015	4	\$18,200.00	Good	Inactive

848716	Thermo 2025i	PM2.5 Sampler	Office	2025i206811408	9/4/2014	5	\$18,200.00	Good	Inactive
ID Requested	Thermo 2025i	PM2.5 Sampler	Office	2025iW209101509	9/17/2015	4	\$18,200.00	Poor	Inactive
808753	Teledyne 300E	CO Analyzer	Office	2233	9/29/2008	11	\$6,600.00	Good	Inactive
808754	Teledyne 300E	CO Analyzer	Office	2234	9/29/2008	11	\$6,600.00	Good	Inactive
658304	Thermo 42C	NO2 Analyzer	Office	0331002822	9/25/2003	16	N/A	Good	Inactive
819196	Thermo 42I	NO2 Analyzer	Office	1007741317	2010	9	N/A	Good	Inactive
818999	Thermo 42I	NO2 Analyzer	Office	CM10360071	2009	10	N/A	Good	Inactive
811764	Thermo 42I	NO2 Analyzer	Office	CM08190013	9/29/2008	11	N/A	Good	Inactive
661214	Thermo 43C	SO2 Analyzer	Office	0431709340	9/30/2004	15	N/A	Good	Inactive
658302	Thermo 43C	SO2 Analyzer	Office	0333503279	9/25/2003	16	N/A	Good	Inactive
850213	Thermo 43I	SO2 Analyzer	Pennsuco	JB1423701318	11/13/2014	5	\$12,120.00	Good	Inactive
661212	Thermo 48C	CO Analyzer	Office	0431709338	9/30/2004	15	N/A	Good	Inactive
661213	Thermo 48C	CO Analyzer	Office	0431709339	9/30/2004	15	N/A	Good	Inactive
659392	Thermo 49C	Ozone Analyzer	Office	03265000001331	9/25/2003	16	N/A	Good	Inactive
650568	Thermo 49C	Ozone Analyzer	Office	49C-76048-381	10/1/2002	17	N/A	Good	Inactive
650569	Thermo 49C	Ozone Analyzer	Office	0331002821	10/1/2002	17	N/A	Good	Inactive
651906	Thermo 49C	Ozone Analyzer	Office	02155698-3	10/1/2002	17	N/A	Poor	Inactive
604808	Thermo 49C PS	Ozone Calibrator	Office	2025B216240304	2/11/1998	21	N/A	Good	Inactive
604809	Thermo 49C PS	Ozone Calibrator	Office	49CPS-60713-328	2/11/1998	21	N/A	Good	Inactive
604810	Thermo 49C PS	Ozone Calibrator	Office	49CPS-60715-328	2/11/1998	21	N/A	Good	Inactive
604807	Thermo 49C PS	Ozone Calibrator	Office	49PC60619327	2/11/1998	21	N/A	Poor	Inactive
850212	Thermo 49I-PS	Ozone Calibrator	Office	1430063227	11/13/2014	5	\$11,500.00	Poor	Inactive
853237	Thermo 49I-PS	Ozone Calibrator	Office	1152610015	9/17/2015	4	\$11,500.00	Good	Inactive
853238	Thermo 49I-PS	Ozone Calibrator	Office	1152610016	9/17/2015	4	\$11,500.00	Good	Inactive
847517	Enviroics 6100	Calibrator	Office	6150	6/12/2014	5	\$9,800.00	Good	Inactive
847519	Enviroics 6100	Calibrator	Office	6148	6/12/2014	5	\$9,800.00	Good	Inactive
658868	Enviroics 6100	Calibrator	Office	3177	9/23/2003	16	\$9,800.00	Good	Inactive
658869	Enviroics 6100	Calibrator	Office	2987	9/9/2002	17	\$9,800.00	Good	Inactive
650570	Enviroics 6100	Calibrator	Office	48C-62460-335/5	9/9/2002	17	\$9,800.00	Poor	Inactive
533459	737	Zero Air Generator	Office	48C-60245-327	1/21/1999	20	N/A	Good	Inactive
650640	737	Zero Air Generator	Office	2780	1/21/1999	20	N/A	Good	Inactive

650641	737	Zero Air Generator	Office	2779	1/21/1999	20	N/A	Good	Inactive
655486	ESC 8816	Data Logger	Office	4956	7/14/2003	16	N/A	Good	Inactive
640075	ESC 8816	Data Logger	Office	898	3/1/2002	17	N/A	Good	Inactive
854373	ESC 8872	Data Logger	Office	0580	2017	2	\$9,125.00	Good	Inactive
854374	ESC 8872	Data Logger	Office	0581	2017	2	\$9,125.00	Good	Inactive
852699	ESC 8872	Data Logger	Office	0507	9/30/2015	4	\$9,125.00	Good	Inactive
852700	ESC 8872	Data Logger	Office	0508	9/30/2015	4	\$9,125.00	Good	Inactive
852701	ESC 8872	Data Logger	Office	0509	9/30/2015	4	\$9,125.00	Good	Inactive
847982	ESC 8872	Data Logger	Office	0318	10/9/2014	5	\$9,125.00	Good	Inactive
847983	ESC 8872	Data Logger	Office	0319	10/9/2014	5	\$9,125.00	Good	Inactive
857330	ESC 8872	Data Logger	Office	0691	2017	2	\$9,125.00	Good	Inactive
808751	Teledyne M300E	CO Analyzer	Office	9C4442	9/4/2009	10	N/A	Good	Inactive
808752	Teledyne M300E	CO Analyzer	Office	9C4443	9/4/2009	10	N/A	Good	Inactive
819571	Teledyne M701	Zero Air Generator	Office	3300	2012	7	N/A	Good	Inactive
819572	Teledyne M701	Zero Air Generator	Office	3297	2012	7	N/A	Good	Inactive
819573	Teledyne M701	Zero Air Generator	Office	3284	2012	7	N/A	Good	Inactive
ID Requested	Teledyne T200	NO2 Analyzer	Office	3785	2017	2	\$11,500.00	Good	Inactive
847699	Teledyne T200	NO2 Analyzer	Office	1551	9/3/2014	5	\$11,500.00	Poor	Inactive
853351	Teledyne T200UP	NO2 Trace Analyzer	Office	96	7/31/2015	4	\$24,700.00	Good	Inactive
822887	Teledyne T400	Ozone Analyzer	Office	101	2015	4	\$4,250.00	Poor	Inactive
ID Requested	Teledyne API T640	PM2.5 Analyzer	Office	539	9/25/2018	1	\$26,570.00	Good	Inactive
ID Requested	Teledyne API T640	PM2.5 Analyzer	Office	287	1/15/2019	0	\$21,500.00	Good	Inactive
ID Requested	Teledyne API T640X	PM2.5 & PM10 Analyzer	Office	287	2018	1	\$35,395.00	Good	Inactive



**Orange County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
749643	Thermo 49iPS	Ozone Calibrator	Winter Park	1336460151	2/05/2014	5	N/A	Good	Back-Up
756626	Thermo 49iPS	Ozone Calibrator	Winegard Elementary	1151380003	7/07/2015	4	N/A	Good	Active
764208	Thermo 49iPS	Ozone Calibrator	Winter Park	1170050012	2/3/2017	2	N/A	Good	Active
764207	Thermo 49i	Ozone Analyzer	Winter Park	1170050011	2/1/2017	2	N/A	Good	Active
764206	Thermo 49i	Ozone Analyzer	Winegard Elementary	1170050010	2/3/2017	2	N/A	Good	Active
750204	Thermo 49i	Ozone Analyzer	Winter Park	1326659026	9/30/2013	6	N/A	Good	Back-Up
749642	Thermo 49i	Ozone Analyzer	Winegard Elementary	1336460150	02/05/2014	5	N/A	Good	Back-Up
N/A	Thermo 49iQ	Ozone Analyzer	Winter Park	1183400300	7/9/2018	1	N/A	Good	Inactive
755736	Thermo 48i	CO Analyzer	Winter Park	1500163900	2/24/2015	4	N/A	Good	Back-Up
755737	Thermo 48i	CO Analyzer	Winter Park	1500163901	2/24/2015	4	N/A	Good	Back-Up
764204	Thermo 48i	CO Analyzer	Winter Park	1170050008	1/31/2017	2	N/A	Good	Back-Up
764205	Thermo 48i	CO Analyzer	Winter Park	1170050009	2/1/2017	2	N/A	Good	Active
741524	Thermo 42i	NO2 Analyzer	Winter Park	1106147374	2/24/2011	8	N/A	Good	Back-Up
755738	Thermo 42i	NO2 Analyzer	Winter Park	1500163902	2/24/2015	4	N/A	Good	Back-Up
751896	Thermo 42i	NO2 Analyzer	Winter Park	1336460152	1/28/2014	5	N/A	Good	Back-Up
766204	Thermo 42i	NO2 Analyzer	Winter Park	1172550002	9/26/2017	2	N/A	Good	Active
N/A	Thermo 42iQ	NO2 Analyzer	Winter Park	1181340031	7/9/2018	1	N/A	Good	Inactive
747312	Thermo 111	Zero Air Generator	Winter Park	1227254852	10/16/2012	7	N/A	Good	Back-Up
755740	Thermo 111	Zero Air Generator	Winter Park	1500163903	2/24/2015	4	N/A	Good	Active
750203	Thermo 111	Zero Air Generator	Winter Park	1326659028	9/30/2013	5	N/A	Good	Back-Up
755739	Thermo 146i	Gas Blender	Winter Park	1500163897	2/24/2015	4	N/A	Good	Active
747329	Thermo 146i	Gas Blender	Winter Park	1227254853	10/16/2012	7	N/A	Good	Back-Up
N/A	Thermo 146iQ	Gas Blender	Winter Park	1172270023	7/9/2018	1	N/A	Good	Inactive
0550	Agilaire 8872	Data Logger	Winter Park	0550	3/15/2016	3	N/A	Good	Active
0551	Agilaire 8872	Data Logger	Winter Park	0551	3/15/2016	3	N/A	Good	Back-Up
0548	Agilaire 8872	Data Logger	Winegard Elementary	0548	3/15/2016	3	N/A	Good	Active
0549	Agilaire 8872	Data Logger	Air Lab	0549	3/15/2016	3	N/A	Good	Back-Up

750381	Thermo 5014i	PM10 Analyzer	Winter Park	CM13351002	10/04/2013	5	N/A	Good	Back-Up
755028	Thermo 5014i	PM10 Analyzer	Winter Park	CM14291008	10/22/2014	4	N/A	Good	Back-Up
755027	Thermo 5014i	PM2.5 Analyzer	Winter Park	CM14291007	10/22/2014	4	N/A	Good	Active
762294	Thermo 5014i	PM10 Analyzer	Winter Park	CM16131005	09/15/2016	2	N/A	Good	Active
N/A	Vaisala HM40	Hygrometer	Winter Park	K4730049	12/1/2014	5	N/A	Good	Active
N/A	Vaisala HM40	Hygrometer	Winter Park	L1720058	12/1/2014	5	N/A	Good	Active
730582	Definer 220-L	Flow Meter	Winter Park	111132	7/25/2007	12	N/A	Good	Active
755247	Definer 220-L	Flow Meter	Winter Park	141461	5/6/2015	4	N/A	Good	Active
756338	Defender 530-H	Flow Meter	Winter Park	137288	5/6/2015	4	N/A	Good	Active
755246	Defender 530-H	Flow Meter	Winter Park	139494	5/6/2015	4	N/A	Good	Active
755697	Streamline Pro M	Flow Meter	Winter Park	C150101	2/26/2015	4	N/A	Good	Active
755698	Streamline Pro S	Flow Meter	Winter Park	C150102	2/26/2015	4	N/A	Good	Active
N/A	Dwyer	Manometer	Winter Park	N5OZ	1/26/2015	4	N/A	Good	Active
N/A	Dwyer	Manometer	Winter Park	N03AA0213007	1/26/2015	4	N/A	Good	Active
756640	BGI	VSCC	Winter Park	180514-25	8/12/2015	4	N/A	Good	Active
756638	BGI	VSCC	Winter Park	070614-166	8/12/2015	4	N/A	Good	Active
756639	BGI	VSCC	Winter Park	270711-31	8/12/2015	4	N/A	Good	Active
N/A	BGI	VSCC	Winter Park	138712	9/1/2016	3	N/A	Good	Active
N/A	BGI	VSCC	Winter Park	221112-180	9/1/2016	3	N/A	Good	Active
N/A	BGI	VSCC	Winter Park	147526	9/1/2016	3	N/A	Good	Active
756329	Novalynx	Barometer	Winter Park	1616000018	5/11/2016	3	N/A	Good	Active
756330	Novalynx	Barometer	Winter Park	1616000019	5/11/2016	3	N/A	Good	Active
756331	Novalynx	Barometer	Winter Park	1616000020	5/11/2016	3	N/A	Good	Active
756328	Novalynx	Barometer	Air Lab	1616000021	5/11/2016	3	N/A	Good	Active
N/A	Control Comp.	Digital Thermometer	Winter Park	L616301	N/A	N/A	N/A	Good	Active
N/A	Control Comp.	Digital Thermometer	Winter Park	130567028	N/A	N/A	N/A	Good	Active
N/A	HB Electronics	Min/Max Thermometer	Winter Park	112713	3/15/2016	3	N/A	Good	Active
N/A	HB Electronics	Min/Max Thermometer	Winegard Elementary	111354	3/15/2016	3	N/A	Good	Active
N/A	HB Electronics	Min/Max Thermometer	N/A	110252	3/15/2016	3	N/A	Good	Back-Up
N/A	HB Electronics	Min/Max Thermometer	N/A	110995	3/15/2016	3	N/A	Good	Back-Up

N/A	HB Electronics	Min/Max Thermometer	N/A	111626	3/15/2016	3	N/A	Good	Back-Up
N/A	HB Electronics	Min/Max Thermometer	N/A	111524	3/15/2016	3	N/A	Good	Back-Up
N/A	Control Comp.	Clock	Winter Park	TC-01	N/A	N/A	N/A	Good	Active
N/A	Control Comp.	Clock	Winegard Elementary	TC-02	N/A	N/A	N/A	Good	Active
N/A	Control Comp.	Clock	N/A	TC-03	N/A	N/A	N/A	Good	Back-Up
N/A	Control Comp.	Clock	N/A	TC-04	N/A	N/A	N/A	Good	Back-Up
N/A	Fisher Scientific	Sonicator	Winter Park	1202404	N/A	N/A	N/A	Good	Active
766454	Fisher Scientific	Drying Oven	Air Lab	42202295	2/12/2018	1	N/A	Good	Active
755734	EX2200	Juniper Ethernet Switch	Winter Park	CW0214282125	11/22/2014	4	N/A	Good	Active
756546	EX2200	Juniper Ethernet Switch	Air Lab	CW0214191482	6/30/2015	3	N/A	Good	Active
756547	EX2200	Juniper Ethernet Switch	Winter Park	CW0214191788	6/30/2015	3	N/A	Good	Active
N/A	5505	Cisco ASA 5505	Winter Park	NA	NA	NA	N/A	Good	Active
N/A	5505	Cisco ASA 5505	Winegard Elementary	NA	NA	NA	N/A	Good	Active
N/A	5505	Cisco ASA 5505 (NR)	Winter Park	NA	NA	NA	N/A	Good	Active
N/A	5505	Cisco ASA 5505 WP backup	Winter Park	NA	NA	NA	N/A	Good	Active
N/A	5505	Cisco ASA 5505 WG backup	Winegard Elementary	NA	NA	NA	N/A	Good	Active
757682	GXT4	Emerson Network Power backup (Liebert GXT4 UPS 120V)	Winegard Elementary	1510100421AFBB3	7/1/2015	3	N/A	Good	Active
762327	GXT4	Emerson Network Power backup (Liebert GXT4 UPS 120V)	Winter Park	1626200343AFBA3	4/1/2017	3	N/A	Good	Active

762326	GXT4	Emerson Network Power backup (Liebert GXT4 UPS 120V)	Winter Park	1626200335AFBA3	4/1/2017	3	N/A	Good	Active
757230	GXT4	Emerson Network Power backup (Liebert GXT4 UPS 120V)	Winter Park	1512900408AFBA3	8/26/2015	3	N/A	Good	Active
756664	E550i-B2	Vizio Flat Screen monitor	Winter Park	LWZ2PPAQ380223 2	6/24/2015	3	N/A	Good	Active
755364	9020	Dell OptiPlex	Winter Park	GMEP7Y88	3/2/2015	4	N/A	Good	Active
755905	9020	Dell OptiPlex	Winegard Elementary	GMEP7Y99	4/21/2015	3	N/A	Good	Active
756467	9020	Dell OptiPlex	Air Lab	GMEP7Y110	9/17/2015	3	N/A	Good	Back-Up
755363	9020	Dell OptiPlex	Air Lab	GME97Y87	3/2/2015	4	N/A	Good	Back-Up
755907	9020	Dell OptiPlex	Air Lab	GMEP7Y100	4/21/2015	4	N/A	Good	Back-Up
756469	9020	Dell OptiPlex	Air Lab	GMEP7Y108	9/17/2015	3	N/A	Good	Back-Up
756470	9020	Dell OptiPlex	Air Lab	GMEP7Y111	9/17/2015	3	N/A	Good	Back-Up
756468	9020	Dell OptiPlex	Air Lab	GMEP7Y109	9/17/2015	3	N/A	Good	Back-Up
755256	9020	Dell OptiPlex	Air Lab	GMEP7Y107	9/17/2015	3	N/A	Good	Back-Up
755906	9020	Dell OptiPlex	Air Lab	GMEP77101	4/21/2015	4	N/A	Good	Back-Up
746356	CF19	Panasonic Laptop (Toughbook)	Winter Park	GMEPWL19	8/20/2012	5	N/A	Good	Active
757095	Latitude E7450	Dell Laptop	Winter Park	GME97ZL01	09/04/2015	3	N/A	Good	Active

**Palm Beach County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
101612210000000	Agilaire 8832	Data Logger	DOH Palm Beach Office	A0633	06/27/05	14	\$5,280.00	Good	Back-Up
101612220000000	Agilaire 8832	Data Logger	Delray Beach	A1030	06/27/05	14	\$5,280.00	Good	Back-Up
101612230000000	Agilaire 8832	Data Logger	DOH Palm Beach Office	A1028	06/27/05	14	\$5,280.00	Good	Back-Up
101612240000000	Agilaire 8832	Data Logger	DOH Palm Beach Office	A1031	06/27/05	14	\$5,280.00	Good	Back-Up
101641040000000	Agilaire 8832	Data Logger	Belle Glade	A1201	11/28/05	13	\$6,020.00	Good	Active
101747580000000	Agilaire 8832	Data Logger	Lantana Preserve	A2821K	09/29/08	10	\$6,865.00	Good	Active
10206210	Agilaire 8872	Data Logger	Lantana Preserve	664	02/17/17	2	\$7,325.00	Good	Active
10209837	Agilaire 8872	Data Logger	Royal Palm Beach	814	09/04/18	0	\$7,350.00	Good	Active
10204151	Alicat MB-500SCCM	Flow meter	DOH Palm Beach Office	MB-500SCCM-D/5M	5/24/2017	2	\$1,264.00	New	Active
101350090000000	BGI Inc	PM sampler	DOH Palm Beach Office	1662	10/16/00	18	\$8,539.03	Good	Inactive
101723950000000	Bios International Corporation	Flow meter	DOH Palm Beach Office	112349	09/30/07	11	\$2,000.00	Fair	Back-Up
101641050000000	Bios International Corporation	Flow Calibrator	DOH Palm Beach Office	105982	11/30/05	13	\$4,000.00	Good	Active
101641060000000	Bios International Corporation	Flow Calibrator	DOH Palm Beach Office	106379	11/30/05	13	\$4,000.00	Good	Inactive
101971800000000	Dell	Computer	DOH Palm Beach Office	24SHT52	07/23/15	4	\$1,692.92	Good	Active
101641080000000	Environics	Flow Calibrator	DOH Palm Beach Office	3702	12/06/05	13	\$8,415.00	Fair	Inactive
101641690000000	Environics	Flow Calibrator	DOH Palm Beach Office	3830	09/12/06	12	\$8,415.00	Fair	Inactive
101679960000000	Environics	Flow Calibrator	Lantana Preserve	3885	12/04/06	12	\$8,415.00	Fair	Inactive
101985940000000	Mesa Laboratory	Tetra Cal	DOH Palm Beach Office	149651	8/1/2016	3	\$2,300.00	Good	Active
101723940000000	Met One Instrument	BAM 1020 Particulate Sampler	Belle Glade	G6214	10/01/07	11	\$21,970.00	Fair	Active
101759260000000	Met One Instrument	BAM 1020 Particulate Sampler	DOH Palm Beach Office	H8630	02/23/09	10	\$14,300.00	Good	Back-Up

101826130000000	Met One Instrument	BAM 1020 Particulate Sampler	Delray Beach	K18547	12/09/10	8	\$12,452.60	Good	Active
101350160000000	Sartorius	Balance	DOH Palm Beach Office	12008133	09/28/00	18	\$4,459.00	Good	Inactive
J03566000000000	Thermo Environmental	Zero Air System	DOH Palm Beach Office	111-34508-248	09/13/91	27	\$2,783.50	Fair	Back-Up
101358770000000	Thermo Environmental	Zero Air System	Lantana Preserve	11161759-333	11/02/98	20	\$3,990.00	Fair	Active
101612260000000	Thermo Environmental	Zero Air System	DOH Palm Beach Office	0517912030	06/27/05	14	\$2,970.00	Fair	Back-Up
101612270000000	Thermo Environmental	Zero Air System	DOH Palm Beach Office	N/A	06/27/05	14	\$1,188.00	Fair	Back-Up
101612840000000	Thermo Environmental	42i NO2 analyzer	DOH Palm Beach Office	0601213919	11/16/05	13	\$9,733.50	Fair	Inactive
101723960000000	Thermo Environmental	TEI 43i SO2 analyzer	DOH Palm Beach Office	CM07350001	10/08/07	11	\$9,775.50	Fair	Inactive
101747450000000	Thermo Environmental	42i NO2 analyzer	DOH Palm Beach Office	0816130476	05/01/08	11	\$10,706.50	Fair	Inactive
101612440000000	Thermo Environmental	Partisol PM2.5	Delray Beach	21927	01/02/07	12	\$12,840.00	Fair	Back-Up
101612830000000	Thermo Environmental	Ozone 49i	DOH Palm Beach Office	0601213850	11/16/05	13	\$6,673.50	Good	Back-Up
101679750000000	Thermo Environmental	Ozone analyzer	Lantana Preserve	0711721591	04/11/07	12	\$6,777.00	Good	Active
101679900000000	Thermo Environmental	TEI CO analyzer	DOH Palm Beach Office	0703320497	01/26/07	12	\$9,085.50	Good	Inactive
101747430000000	Thermo Environmental	2025 PM Sampler	DOH Palm Beach Office	2025B2221502805	06/16/08	11	\$12,464.95	Fair	Back-Up
101759250000000	Thermo Environmental	Ozone Primary	DOH Palm Beach Office	0906335234	02/23/09	10	\$10,165.00	Good	Active
101759340000000	Thermo Environmental	TEI 49i Analyzer	Lantana Preserve	0908635705	04/06/09	10	\$7,533.50	Good	Active
101920710000000	Thermo Environmental	2025i PM Sampler	Delray Beach	2025i-2036671303	04/29/13	6	\$13,200.50	Good	Active
101985920000000	Thermo Environmental/5014i	PM 2.5 Sampler	Royal Palm Beach	CM16321023	8/1/2016	3	\$20,665.00	Good	Active
101985930000000	Thermo Environmental/5014i	PM 2.5 Sampler	Royal Palm Beach	CM16321022	8/1/2016	3	\$20,665.00	Good	Active

101971550000000	Thermo Environmental	Ozone Analyzer	DOH Palm Beach Office	1504864522	9/30/2016	2	\$18,245.00	Good	Back-Up
101553730000000	Thermo Environmental	TEI CO analyzer	DOH Palm Beach Office	335203744	01/08/04	15	\$8,559.00	Poor	Inactive
101679970000000	Teledyne/API	API 703 Ozone Primary	Royal Palm Beach	0058	10/31/06	12	\$8,550.00	Fair	Active
101871770000000	Teledyne/API	NOX analyzer	DOH Palm Beach Office	205	12/02/11	7	\$10,695.00	Good	Inactive
101971560000000	Teledyne/API	Teledyne/API	DOH Palm Beach Office	1818	02/27/15	4	\$12,215.80	Good	Inactive
G01788000000000	Tisch Environmental, Inc	Tisch Env. OUFF sampler	DOH Palm Beach Office	13905	01/22/91	28	\$1,925.00	Fair	Inactive
101747340000000	Wells Cargo	Wells Cargo	Belle Glade	1WC200G238305845	06/03/08	11	\$5,625.00	Good	Active
101986090000000	Thermo Environmental	Zero Air System	Royal Palm Beach	1162220064	9/1/2016	2	\$4,240.00	Good	Active
PBCHD 0265	DELL	Site Computer	Lantana Preserve	DY4HM02			N/A	Good	Active
101986080000000	Thermo Environmental/146i	Flow calibrator	DOH Palm Beach Office	1162220065	9/1/2016	2	\$18,164.45	Good	Inactive
102086706	Dell	Mobile Precision 7520 XCTO BASE	DOH Palm Beach Office	1GXL1N2	4/1/2018	1	\$1,621.84	Good	Active
N/A	MBR1200B	Cradle Point MBR1200B Router	Lantana Preserve	N/A	4/1/2018	1	\$205.00	Good	Active
N/A	Digi Transport WR21 - Router	Router/Wireless Data Point	Royal Palm Beach	N/A	12/1/2018	0	\$394.68	Good	Active
N/A	Consolidated Analytical System	Air monitoring Shelter	Royal Palm Beach	N/A	9/1/2018	0	\$60,285.75	Good	Active
N/A	Vaisala/WXT530	Meteorological Instrument	Royal Palm Beach	P5040699	12/21/2018	0	\$3,244.00	Good	Active
N/A	Extech	Hygrometer	DOH Palm Beach Office	Z369890	1/22/2019	0	\$181.00	Good	Active

**Pinellas County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
N/A	Agilaire 8872	Data Logger	Skyview	0411	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Derby Lane	0309	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Azalea	0307	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Gateway	0311	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Clearwater	0308	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	East Lake	0310	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Oakwood	0312	N/A	5	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Sawgrass	0412	N/A	4	\$6,800	Good	Active
N/A	Agilaire 8872	Data Logger	Office	N/A	N/A	2	\$6,800	Good	Back-Up
N/A	ESC 8816	Data Logger	Office	N/A	N/A	16	\$6,800	Fair	Back-Up
N/A	ESC 8816	Data Logger	Office	N/A	N/A	16	\$6,800	Fair	Back-Up
N/A	ESC 8816	Data Logger	Office	N/A	N/A	15	\$6,800	Fair	Back-Up
N/A	ESC 8816	Data Logger	Office	N/A	N/A	15	\$6,800	Fair	Back-Up
N/A	Thermo 42i	NO2 Analyzer	Azalea	11636300019	N/A	2	\$15,000	Good	Active
N/A	Thermo 42i	NO2 Analyzer	Office	CM08260023	N/A	9	N/A	Fair	Back-Up
N/A	Teledyne API 500U	NO2 Analyzer	Sawgrass	108	N/A	3	\$27,500	Good	Active
N/A	Teledyne API 300	CO Analyzer	Gateway	2425	N/A	2	\$9,100	Good	Active
N/A	Teledyne API 300U	CO Trace Analyzer	Sawgrass	242	N/A	3	\$13,600	Good	Active
N/A	Teledyne API 400E	Ozone Analyzer	East Lake	2560	N/A	7	\$8,100	Good	Active
N/A	Teledyne API 400E	Ozone Analyzer	Azalea	3071	N/A	2	\$8,100	Good	Active
N/A	Teledyne API 400E	Ozone Analyzer	Clearwater	2545	N/A	7	\$8,100	Good	Active
N/A	Teledyne API 400	Ozone Analyzer	Office	N/A	N/A	8	\$8,100	Good	Back-Up
N/A	Teledyne API 703E	Calibrator	East Lake	61	N/A	9	\$11,000	Good	Active
N/A	Teledyne API 703E	Calibrator	Azalea	332	N/A	5	\$11,000	Good	Active
N/A	Teledyne API 703E	Calibrator	Clearwater	331	N/A	5	\$11,000	Good	Active
N/A	Teledyne API 703E	Calibrator	Office	N/A	N/A	6	\$11,000	Good	Back-Up
N/A	Teledyne API 700U	Calibrator	Sawgrass	251	N/A	3	\$26,000	Good	Active
N/A	Thermo 43i	SO2 Analyzer	Oakwood	1170120019	N/A	2	\$12,500	Good	Active



N/A	Thermo 43i	SO2 Analyzer	Derby Lane	1163630020	N/A	2	\$12,500	Good	Active
N/A	Thermo 43C	SO2 Analyzer	Office	43C-66211-351	N/A	17	N/A	Fair	Back-Up
N/A	Thermo 48C	CO Analyzer	Office	48C-79045-391	N/A	15	N/A	Fair	Back-Up
N/A	EnviroNics 6100	Calibrator	Sawgrass	65512	N/A	3	\$11,000	Good	Active
N/A	EnviroNics 6100	Calibrator	Azalea	3942	N/A	6	\$11,000	Good	Active
N/A	EnviroNics 6100	Calibrator	Derby Lane	6551	N/A	3	\$11,000	Good	Active
N/A	EnviroNics 6103	Calibrator	Gateway	2818	N/A	8	\$11,000	Good	Back-Up
N/A	EnviroNics 6100	Calibrator	Oakwood	6186	N/A	3	\$11,000	Good	Active
N/A	R M Young 5305	Wind System	Sawgrass	5	N/A	3	\$1,100	Good	Active
N/A	R M Young 5305	Wind System	Azalea	2	N/A	8	\$1,100	Good	Active
N/A	R M Young 5305	Wind System	East Lake	1	N/A	2	\$1,100	Good	Active
N/A	R M Young 5305	Wind System	Skyview	1	N/A	3	\$1,100	Good	Active
N/A	Aluma Tower 10m	Wind Tower	Skyview	N/A	N/A	16	\$2,000	Fair	Active
N/A	Aluma Tower 10m	Wind Tower	East Lake	N/A	N/A	11	\$2,000	Fair	Active
N/A	Aluma Tower 10m	Wind Tower	Azalea	N/A	N/A	21	\$2,000	Fair	Active
N/A	Aluma Tower 10m	Wind Tower	Sawgrass	N/A	N/A	3	\$4,100	Good	Active
N/A	Teledyne API 701H	Zero Air Generator	Sawgrass	136	N/A	3	\$7,500	Good	Active
N/A	Teledyne API 701H	Zero Air Generator	Azalea	240	N/A	3	\$7,500	Good	Active
N/A	Thermo/R&P 2025	PM2.5 Sampler	Sandy Lane	2025B223420808	N/A	10	\$12,500	Fair	Active
N/A	Thermo/R&P 2025	PM2.5 Sampler	Office	2025B219340701	N/A	11	\$12,500	Fair	Back-Up
N/A	Thermo/R&P 2025	PM2.5 Sampler	Office	2025B222800806	N/A	10	\$12,500	Fair	Back-Up
N/A	Teledyne API 640X	PM2.5 & PM10 Sampler	Azalea	218	N/A	1	\$37,000	Good	Active
N/A	General metals 1200	PM10 Sampler	Motorpool	103	N/A	N/A	\$7,500	Fair	Back-Up
N/A	General metals 1200	PM10 Sampler	Skyview	503	N/A	24	\$7,500	Fair	Active
N/A	General metals 1200	PM10 Sampler	Office	N/A	N/A	N/A	\$7,500	Fair	Back-Up
N/A	Thermo 1405	PM2.5 Analyzer	East Lake	1405A235701603	N/A	3	\$23,000	Good	Active
N/A	Magee 633	Black Carbon Sampler	Skyview	AE33-S01-00107	N/A	5	\$26,800	Good	Active

N/A	Magee 633	Black Carbon Sampler	Sawgrass	AE33-SO3-00336	N/A	3	\$30,000	Good	Active
N/A	Shelter	Coastal	Derby Lane	N/A	N/A	16	N/A	Fair	Active
N/A	Shelter	N/A	Clearwater	N/A	N/A	1	N/A	Fair	Active
N/A	Shelter	Adv. Modular	Gateway	N/A	N/A	16	N/A	Fair	Active
N/A	Shelter	GE Capitol	East Lake Site	N/A	N/A	11	N/A	Fair	Active
N/A	Shelter	Robin Builders	Skyview	N/A	N/A	20	N/A	Fair	Active
N/A	Shelter	Robin Builders	Azalea Park	N/A	N/A	20	N/A	Fair	Active
N/A	Shelter	N/A	Oakwood site	N/A	N/A	31	N/A	Fair	Active
N/A	Shelter	N/A	Sawgrass Park	N/A	N/A	3	\$27,500	Good	Active
N/A	Met One	PM10 Sampler	Woodlawn	X19178	N/A	0	\$11,000	Good	Active
N/A	Met One	PM10 Sampler	Motor pool	X19175	N/A	0	\$11,000	Good	Active
N/A	Teledyne API 640	PM2.5 Analyzer	Clearwater	N/A	N/A	0	\$23,000	Good	Active

**Sarasota County**

<b>Property /Identification No.</b>	<b>Manufacturer and Model No.</b>	<b>Description</b>	<b>Location</b>	<b>Serial No.</b>	<b>Acquisition Date</b>	<b>Age</b>	<b>Initial Cost</b>	<b>Condition</b>	<b>Status</b>
40038151	ESC 8816	Data Logger	Office	1665	2/17/1998	21	\$2,250.00	Fair	Back-Up
40051234	RM Young 05103VP	Wind Vane	Paw Park	58190	9/30/2003	16	\$1,039.50	Fair	Active
40051233	RM Young 05103VP	Wind Vane	Lido	58043	9/30/2003	16	\$1,040.00	Fair	Back-Up
40051235	RM Young 05103VP	Wind Vane	Jackson	58191	9/30/2003	16	\$1,039.50	Fair	Active
40050210	Thermo 49C-PS	Ozone Analyzer	Office	49CPS77959387	4/25/2003	16	\$9,030.00	Fair	Back-Up
40050209	Thermo 49C	Ozone Calibrator	Office	49C77958387	4/25/2003	16	\$7,060.00	Fair	Back-Up
40051472	Thermo 111	Zero Air Generator	Office	1110326802150	11/14/2003	16	\$4,198.23	Fair	Back-Up
40052744	Thermo 111	Zero Air Generator	Office	427408888	9/30/2004	15	\$2,970.00	Fair	Active
40056961	Thermo TEOM 1400	Particulate Sampler	Bee Ridge Park	140AB267800706	9/30/2007	12	\$19,637.50	Fair	Active
40058795	Thermo TEOM 1405	Particulate Sampler	Jackson	1405A202460809	9/30/2008	11	\$18,911.00	Fair	Active
40059491	Thermo 49i	Ozone Analyzer	Paw Park	CM09190034	6/25/2009	10	\$7,930.00	Fair	Active
40059492	Thermo 49i-PS	Ozone Calibrator	Paw Park	0916736286	6/25/2009	10	\$11,550.00	Fair	Active
40060203	Teledyne 400e	Ozone Analyzer	Office	2529	6/29/2010	9	\$7,035.00	Fair	Back-Up
40060204	Teledyne 703e	Ozone Calibrator	Office	276	6/29/2010	9	\$9,166.00	Fair	Back-Up
40062204	Teledyne T700	MultiGas Calibrator	Paw Park	670	6/5/2013	6	\$15,138.40	Good	Active
40062203	Teledyne T200	NOx Analyzer	Paw Park	776	6/5/2013	6	\$11,372.80	Good	Active
40063474	Agilaire 8872	Data Logger	Jackson	0184	11/21/2013	6	\$6,495.00	Good	Active
40064632	Teledyne T701	Zero Air Generator	Paw Park	64	9/19/2014	5	\$4,375.00	Good	Active
40064691	Agilaire 8872	Data Logger	Paw Park	0335	10/31/2014	5	\$6,990.00	Good	Active
40064692	Agilaire 8872	Data Logger	Lido	0334	10/31/2014	5	\$6,990.00	Good	Active
40064631	Thermo 49i	Ozone Analyzer	Jackson	1426962861	9/11/2014	5	\$9,150.00	Good	Active
40064630	Thermo 49i-PS	Ozone Calibrator	Jackson	1426962860	9/11/2014	5	\$12,490.00	Good	Active
40063935	Thermo 2025i	Particulate Sampler	Bee Ridge Park	2025I205681402	4/3/2014	5	\$15,620.00	Good	Active
40064694	Thermo 2025i	Particulate Sampler	Office	2025I207091410	12/17/2014	5	\$15,620.00	Good	Back-Up
40066771	Thermo 1405	Particulate Sampler	Paw Park	1405A233811512	1/27/2016	3	\$19,395.00	Good	Active
40070908	Thermo 1405	Particulate Sampler	Jackson	1405A243141903	3/4/2019	0	\$21,550.28	Good	Active
40067751	Thermo 49i	Ozone Analyzer	Lido	1162290005	9/30/2016	3	\$9,337.50	Good	Active
40066774	Agilaire 8872	Data Logger	Office	0542	3/16/2016	3	\$6,990.00	Good	Back-Up

40068125	Thermo	49i-PS	Lido	1171300029	6/28/2017	2	\$13,581.00	Good	Active
40068789	Teledyne T640	Particulate Sampler	Bee Ridge Park	212	8/29/2017	2	\$21,000.00	Good	Active
40068790	Teledyne T640	Enclosure	Bee Ridge Park	N/A	9/30/2017	2	\$6,500.00	Good	Back-Up
40070109	Thermo 49iQ	Ozone Analyzer	Paw Park	1182250001	9/26/2018	<1	\$10,079.01	Good	Inactive
40070110	Thermo 49iQ-PS	Ozone Calibrator	Paw Park	1182250002	9/26/2018	<1	\$13,922.65	Good	Inactive
N/A	Davis Instruments	MET Sensor	Lido	180807N01	2018	<1	\$650.00	Good	Active