

Florida Department of Environmental Protection



Office of Air Monitoring

Florida: A Single PQAQO and Air Monitoring Goals

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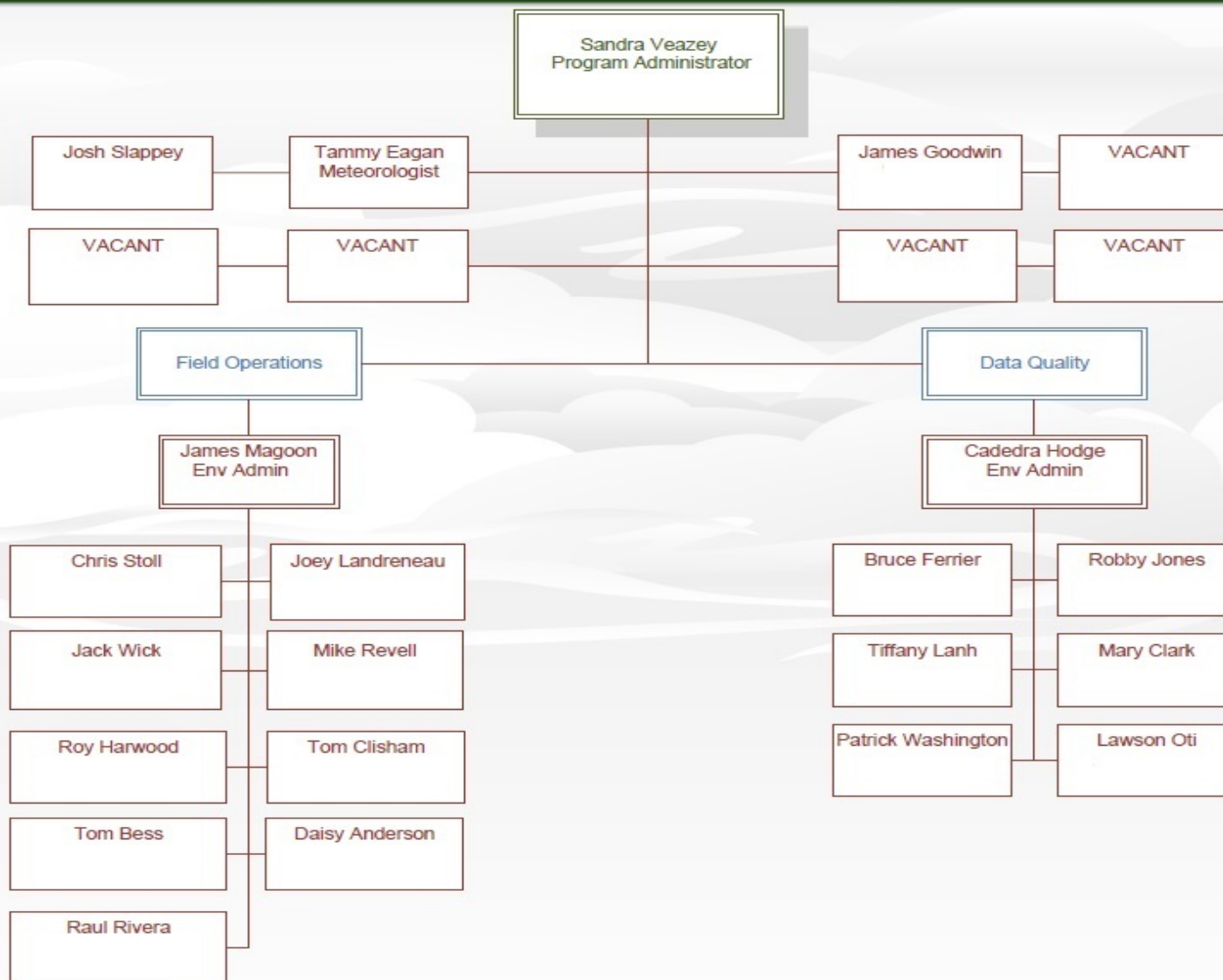


Objectives

- Florida's Air Monitoring Organizational Structure & Air Monitoring Network
- PQAO
 - Definition
 - Requirements
 - Benefits
- Florida's Air Monitoring Goals



Office of Air Monitoring Structure





What do we do?

- Manage the Statewide Air Monitoring Network to ensure Federal requirements are met
- Operate and maintain FDEP air monitoring equipment
- Collect and validate ambient air quality data
- Develop Statewide air monitoring plans, reports, and procedures for EPA review and/or approval
- Perform and maintain Statewide air monitoring calibrations and certifications
- Provide training to Statewide air monitoring staff
- Conduct Statewide Performance and Systems Audits
- Report Statewide air monitoring data to EPA's air quality repository
- Provide Guidance to Local Programs on Air Monitoring Activities



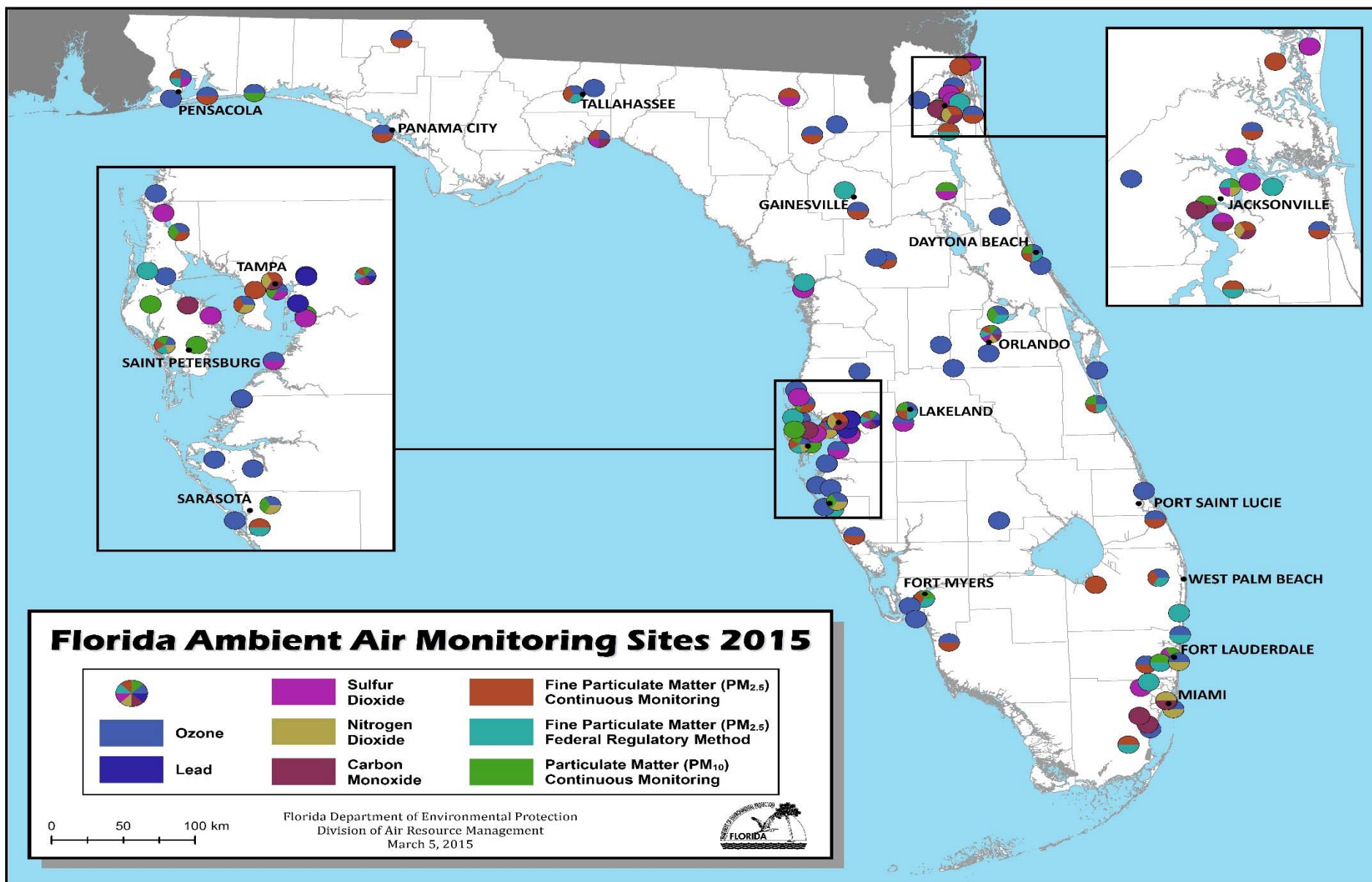
Florida's Air Monitoring Agencies

- Florida DEP's Office of Air Monitoring
- 9 Local Programs
 - Broward County
 - City of Jacksonville
 - Hillsborough County
 - Manatee County
 - Miami-Dade County
 - Orange County
 - Palm Beach County
 - Pinellas County
 - Sarasota County





Florida's Air Monitoring Network





What is a PQAO?

“A primary quality assurance organization is defined as a monitoring organization or a coordinated aggregation of such organizations that is responsible for a set of stations that monitors the same pollutant and for which data quality assessments can logically be pooled.”

– 40 CFR Part 58, Appendix A



Five Common Factors of a PQAO





How do we intend to meet the requirements?

- Increase training opportunities
- Increase and maintain communication
- Organize SOP workgroups
- Create a statewide data handling SOP
- Implement consistent statewide data validation procedures
- Implement consistent field operation practices and procedures
- Evaluate PM₁₀ laboratory resources



Field Operations & Procedures

- A single, statewide SOP for an instrument
- Training opportunities
- Consistent field operation practices and procedures





Quality Assurance Documents & SOPs

- QAPPs
- QMP
- SOPs





Calibration Facilities & Standards

Standards Laboratory

- Filter weigh comparisons
- Voltmeters
- Thermometers
- Barometers
- Photometers
- Manometer
- Other flow devices





Quality Assurance Organization

- Statewide data handling SOP
- Consistent statewide data validation procedures
- Effective communication across agencies
- Independent personnel from the field staff conducting independent data reviews
- Independent audits





Management, Laboratory & Headquarters

- Florida = multi-agency PQAO
 - Florida DEP Office of Air Monitoring
 - 9 local program agencies
- Each agency
 - Management
 - QA Staff
 - Field Staff
- Laboratories
 - 1 PM_{2.5} lab
 - 1 Lead lab – Hillsborough county
 - 3 PM₁₀ labs – Broward, Pinellas, and Miami-Dade counties



Benefits

- Data consistency
- Comparability
- Time and Resource Saving
- Improved Data Quality
- Opportunities to share expertise
- Standardizes formal documentation
 - Greater consistency
 - Reduced workload in creation and review of QA documents





Florida's Air Monitoring Goals

- Continue to improve data quality & legal defensibility of these data
- Reduce overall air monitoring costs
- Solidify our one PQAO-ness
 - Standardized SOPs and quality assurance documents
 - Standardized procedures
 - Field operations
 - Data validation
 - Laboratory
- Improve efficiencies by removing redundancies
- Maintain effectual working relationships across agencies
 - Regular communication and interaction
 - Training opportunities



Questions

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