

**Orange County Environmental Protection Division
EPA Section 105 Grant
Annual Summary of Performance under the FY 2014 Air Planning Agreement
December 19, 2014**

Protecting and Improving Air Quality

Goal: Taking Action on Climate Change and Improving Air Quality

Objective: Improve Air Quality. Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants.

Sub-Objective: Reduce Criteria Pollutants and Regional Haze

FY 2014 105 Grant Commitments:

NAAQS Cross Cutting

1. Orange County is in compliance with all current NAAQS with no areas of concern for future violations.
2. Orange County Environmental Protection Division (EPD) did not have a special 105 holdback for regional haze planning or for special projects.
3. Not applicable to Orange County. FDEP is responsible for New Source Review/Prevention of Significant Deterioration permits in this state.

Ambient Air Monitoring

4. EPD continues to operate ambient air monitoring network in accordance with regulations, policies, and procedures. All required reports and certifications are submitted through FDEP. EPD maintains electronic strip chart data with one minute time frame. Data is maintained for a minimum of 3 years.
5. EPD worked with FDEP to prepare the statewide ambient monitoring network plan design for Orange County that was submitted to EPA. QAPPs were updated and submitted through FDEP. All ambient monitoring analyzers and auxiliary support equipment were in good condition. New equipment was purchased to replace dated monitors or serve as backup. The following instruments were purchased: a TEI 5014, a TEI 43i, a TEI 146, a TEI 111, and two ESC 8832s.
6. A statewide QMP was submitted through FDEP.
7. QAPPs due for review were revised and submitted though FDEP.

8. No new pollutants were monitored using federal funds.
9. Two new SOPs were submitted to FDEP for review in FY 2014, and are projected to be submitted through FDEP for EPA approval in FY 2015.
10. No exceedances occurred nor reported in FY 2014.
11. No exceptional events occurred nor reported in FY 2014.
12. Orange County produces Air Quality Forecasts and submits the results to the AIRNow website. Orange County citizens can access the AIRNow website via Orange County and FDEP's websites.
13. Three staff members attended the 2014 Region 4 Ambient Air Monitoring Work Shop in Athens, GA. EPD does not submit data directly to AQS.
14. FY 2014 SLAMS data completeness is summarized in the table below. Data completeness greater than 100% for the collocated PM 2.5 monitor is due to a replacement sample from the previous quarter's scheduled run. The three year average of the data capture rate for our two ozone sites exceeded 90%.

Site	Parameter	2013 4 th Quarter	2014 1 st Quarter	2014 2 nd Quarter	2014 3 rd Quarter
0950008	O3	97.28	90.69	91.90	97.15
0952002	CO	97.92	98.56	91.58	98.41
0952002	NO2	95.20	97.08	90.38	96.83
0952002	O3	98.05	98.66	92.03	98.32
0952002	PM10M	100.00	100.00	93.33	100.00
0952002	PM10M_2	100.00	100.00	93.33	100.00
0952002	PM2.5C	98.96	97.64	85.85	87.23
0952002	PM2.5M	97.83	96.67	79.12	90.22
0952002	PM2.5M_2	100.00	100.00	87.50	114.29
0952002	SO2 (1h)	98.05	97.73	91.03	96.51
0952002	SO2 (5m)	98.05	97.69	91.02	96.55

Reduce Air Toxics

Goal: Taking Action on Climate Change and Improving Air Quality

Objective: Improve Air Quality. Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants.

Sub-Objective: Reduce Air Toxics

FY 2014 105 Grant Commitments:

1. Orange County collected air quality data for air toxics through monitoring for carbonyls, metals and volatile organic compounds.
2. The approved QAPP and SOPs for Orange County Air Toxics Program were submitted to EPA for approval through FDEP.
3. Carbonyls and metals are analyzed by Eastern Research Group (ERG) and volatile organic compounds (VOCs) are analyzed by Pinellas County, FL. Both laboratories participate in the National Regional Laboratory Proficiency Testing program.
4. The laboratories provide QA/QC data to FDEP for submittal to AQS.
5. Not applicable to Orange County. FDEP is responsible for the task of establishing programmatic infrastructure to address the risk-based components of Clean Air Act sections 112, 111, and 129

Monitoring and Enforcement

Goal: Enforcing Environmental Laws

Objective: Enforce Environmental Laws. Pursue vigorous civil and criminal enforcement that targets the most serious water, air, and chemical hazards in communities. Assure strong, consistent, and effective enforcement of federal environmental laws nationwide.

Sub-Objective: Support Taking Action on Climate Change and Improving Air Quality

FY 2014 105 Grant Commitments:

1. Compliance and enforcement activities are entered into the FDEP Air Resource Management System (ARMS) database in an accurate and timely manner. ARMS data is subsequently uploaded into AFS.
2. All violations resolved in accordance with FDEP guidelines. In FY 2014, Orange County EPD resolved 20 cases, 3 through consent orders with total penalties of \$4,840.00; 2 cases from FY 2014 remain open.

3. During FY 2014, EPD received 134 notifications and conducted a total of 103 inspections of asbestos renovation/demolition projects that amounts to 77% of the notifications received.
4. Whenever possible, EPD staffs inspect asbestos work practices in active demolition and renovation sites to assess compliance with air quality regulation. Inspections occur outside the asbestos removal “hot zone,” and are principally to assess the potential for air quality impacts beyond the active site. Orange County currently does not allow their employees to conduct “active” entries into the asbestos removal envelope however in the event EPD determines if we see that a contractor is improperly handling asbestos materials or other conditions warrant inspection in the “hot zone” during active demolition or renovation EPA utilizes a term contractor to handle collecting bulk samples for purposes of NESHAP enforcement or determining if asbestos-containing material was involved in a renovation or demolition.
5. EPD utilizes the FDEP asbestos database. Information on asbestos activities is reported through FDEP.
6. EPD utilizes a county-wide health and safety plan. Orange County staff participates in medical monitoring, personal protective equipment, and relevant health and safety training including asbestos inspection training.
7. During FY 2014, no new cases were submitted to FDEP for referral to EPA criminal Enforcement.
8. Summary of compliance assistance:
 - a. EPD provides referrals to FDEP’s Small Business Environmental Assistance Program (SBEAP) to assist facilities with compliance issues. Tools include record keeping calendars for chromium electroplating and anodizing facilities, dry cleaners and printing operations are provided to assist them in maintaining accurate records.
 - b. To prepare small businesses for compliance revisions, Orange County provides EPA’s outreach materials to businesses that are subject to federal rules, but have not yet been adopted by FDEP.
9. EPD encourages self disclosure of violations of non-major sources.
10. EPD utilizes compliance incentive strategies for non-major sources following FDEP guidelines.
11. Compliance incentive strategies follow FDEP guidelines.

Cross Cutting Issues

Goal: Taking Action on Climate Change and Improving Air Quality, and Enforcing Environmental Laws

FY 2014 105 Grant Commitments:

Emission Inventories - Hazardous Air Pollutants

1. Orange County EPD enters emissions inventories into FDEP's Air Resource Management System. FDEP submits the data to EPA.

Emission Inventories - Criteria Air Pollutants

2. Not applicable to Orange County. FDEP is responsible for this task.

Planning

3. Last year's Air Planning Agreement was submitted and negotiated in a timely manner.
4. Participation with EPA in an end of the year evaluation is pending and has been initiated through submission of this annual summary report.

Agency Expectations of EPA

5. Not applicable.