

APCD 2015 Year in Review

Air Pollution Control District
February 17, 2016



APCD Goals

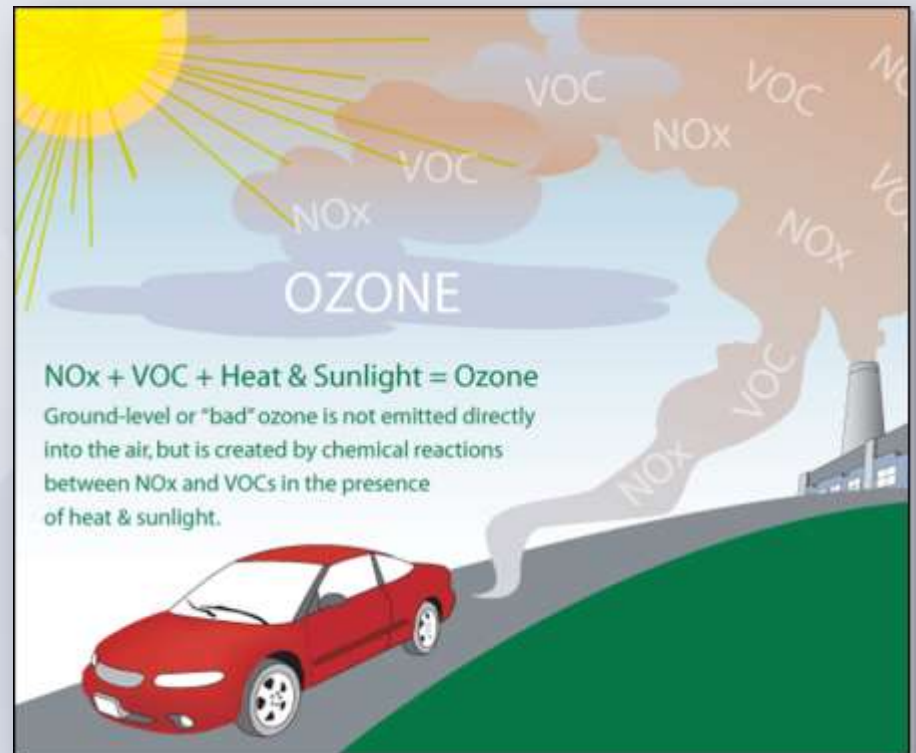
Ensure healthy air for
breathing

Help local businesses meet
air quality standards

NAAQS Update

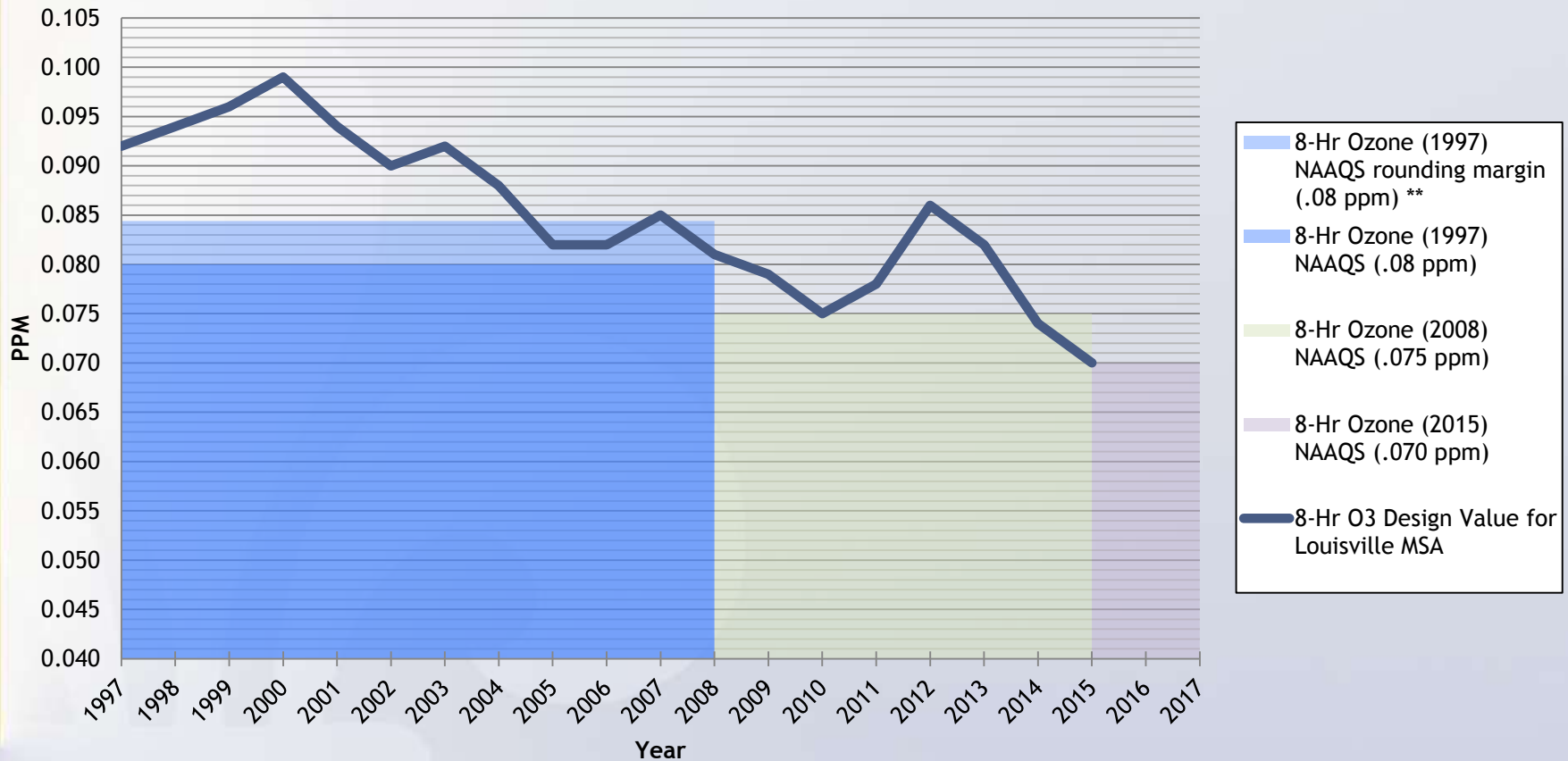
■ The New Federal Ozone Standard

- Standard finalized at 70 ppb
- State attainment designation recommendations are due by October 2016.
- Final designations will be issued in October 2017.
- Summer 2016 weather could be a key factor in our designation.



Louisville's Ozone History

Ozone - Louisville, KY MSA
NAAQS and Annual Air Monitoring Design Values



NAAQS Attainment Current Status

Pollutant	Standard	Averaging Time	Attainment Status
Carbon Monoxide	9 ppm	8-hour	Attainment
	35 ppm	1-hour	Attainment
Lead	0.15 $\mu\text{g}/\text{m}^3$	Rolling 3-Mo Average	Attainment
Nitrogen Dioxide	0.053 ppm	Annual Average	Attainment
	0.10 ppm	1-hour	Attainment
Particulate Matter (PM10)	150 $\mu\text{g}/\text{m}^3$	24-hour	Attainment
Particulate Matter (PM2.5)	15.0 $\mu\text{g}/\text{m}^3$	Annual Average	Nonattainment*
	12.0 $\mu\text{g}/\text{m}^3$	Annual Average	Unclassifiable
	35 $\mu\text{g}/\text{m}^3$	24-hour	Attainment
Ozone	0.075 ppm	8-hour	Attainment
	0.070 ppm	8-hour	TBD
Sulfur Dioxide	0.75 ppm	1-hour	Partial Nonattainment
	0.5 ppm	3-hour	Attainment

APCD Update

- **2015 Highlights**

- Adjusted to new agency structure
- Over 3,000 hours of staff training
- 4 new hires in 2015 and 1 promotion



**AIR POLLUTION
CONTROL DISTRICT**

- **2016 Goals**

- Smooth transition to our new building
- Upgrade office technology as budget allows
- Continue to maximize training resources and opportunities

APCD Move

- **Spring 2016 – Date to be announced soon!**
 - Edison Center
 - 1250 S. Seventh St. (Third Floor), Louisville, KY 40203



Air Monitoring

■ 2015 Highlights

- Improved staff knowledge through training
 - Environmental Engineering & Measurements trained QA staff in auditing techniques
 - Staff trained by several instrument manufacturers
 - Quality Assurance training conducted by EPA
 - Networking with other agencies to learn and share best practices
- Developed automated quality control checks and updated network with new technologies
 - Diligently worked through technical challenges related to new equipment and a new data acquisition system.
- Developed a system of automated alerts (email) to catch issues within the network within the hour
- Collected > 95% valid data for PM_{2.5}, despite staffing transition

Air Monitoring

- **2016 Goals**
 - Continue knowledge base growth through technical training, support and networking
 - Begin preparation for PAMS Ozone precursor monitoring
 - Institute a new monitoring site to replace Bates
 - Streamline processes utilizing lean principles



Emissions Analysis

■ 2015 Highlights

- Continued to meet our requirements to model for transportation conformity analysis
- Updated stakeholders on emissions inventory form updates
- Continued to build capacity for point source dispersion modeling for policy development and regulatory needs
- Upgraded the hardware to continue to meet requirements for transportation conformity analysis and dispersion modeling

■ 2016 Goals

- Complete enhancements to APCD's point-source emission inventory data system

Industrial Permitting

- **2015 Highlights**
 - Issued 118 permits:

	Minor Sources	FEDOOP sources	Title V sources	Total
Construction	21	16	11	27
Operating		17	02	40
Operating revision		38	13	51
Total	118			

- Registered 91 companies
- Exempted 10 companies

Industrial Permitting

- **2016 Goals**
 - Bill non-Title V fees within the first quarter
 - Complete FEDOOP issuance and renewals
 - Continue to evaluate FEDOOPs for STAR applicability
 - Complete Title V renewals (3 currently outside regulatory timeframes)
 - Maintain Title V renewals within regulatory timeframes



Industrial Compliance

- **2015 Highlights**
 - Met Compliance Monitoring Strategy (CMS) commitment to EPA
 - Maintained up-to-date reporting to ICIS-Air system
 - Met EPA requirement for audit-level inspections at 3% of Risk Management Plan (RMP) facilities



Industrial Compliance

- **2016 Goals**
 - Conduct targeted reviews based on compliance history, pollutants of concern, and staff concerns
 - Transition to a dedicated small business compliance assistance program with newly hired coordinator
 - Improve notification when compliance issues are found



Community Compliance

■ 2015 Highlights

- Issued 572 Asbestos Abatement Permits and 82 Gas Vapor Recovery Permits
- Investigated 491 citizen complaints

■ 2016 Goals

- Cross-train staff to provide greater flexibility
- Collaborate with Department of Information Technology (DoIT) to develop online permitting portal
- Improve notification when compliance issues are found



Enforcement

■ 2015 Highlights

- Collected over \$324,000 dollars in penalties
- Corrected compliance issues at 42 sites:

Category	NOVs	% of NOV's	Incidents	% of Incidents
Title V	14	33%	18	34%
FEDOOP	13	31%	17	33%
Minor	3	7%	3	6%
Unpermitted source	8	19%	10	19%
Citizen	4	10%	4	8%
Total	42	100%	52	100%

■ 2016 Goals

- Improve incident-to-NOV issuance process timeframe
- Resolve odor NOV's with Swift through mediation or an administrative hearing

Program Planning and Administration

■ 2015 Highlights

- Served on the Partnership for a Green City (PGC) Steering Committee & Chaired Committee that hosted the PGC Green Roof and Wall Symposium
- Chaired Regional Mobility Committee & partnered with TARC to plan annual Transportation Summit
- Partnered with Office of Sustainability to develop and review the forthcoming UHI Assessment and Mitigation Plan



■ 2016 Goals

- Continue to advance air quality goals through collaboration with other Metro & community-based projects, including the PGC UHI Symposium and the LMG UHI Working Group

Program Planning and Administration

- **2015 Highlights** – Information & Records Management
 - Processed 179 open records requests
 - Worked with DoIT to put six APCD datasets on the open data portal & provide links to five US EPA open data sources.
 - Worked to implement tracking of enforcement cases in Infor Public Sector (Hansen), expected to go into use in April 2016
 - Upgraded Hansen 8.2 to Infor Public Sector 8.3, while adding enhancements at the same time
 - Worked with DoIT to develop an online air quality map, expected to go live March 2016



Program Planning and Administration

- **2016 Goals – Information & Records Management**
 - Move and re-establish APCD file room; maintain continuity of administrative functions & IT resources during relocation
 - Review and, if needed, revise APCD's portion of the KDLA records retention schedule
 - Release RFP for mass document scanning project
 - Add Air Monitoring data to Metro's Open Data Portal
 - Evaluate available document management systems & implement improved solution to support efficient agency workflow

Program Planning and Administration

- **2015 Highlights – LCCA & GMMML**
 - Issued 338 rebates, worth \$17,355, keeping 48,771 pounds of criteria pollutants out of the air
 - GMMML Facebook page hit 1,900 “Likes”
- **2016 Goals – LCCA & GMMML**
 - Strategic LCCA advertising in order to increase number of rebates in new areas and those where they have fallen
 - Develop new GMMML partnerships
 - Increase LCCA and GMMML presence at public outreach events
 - Continue social media focus



Outreach & Education

KAIRE worked with the Nulu Business Association to have six Idle Free Louisville street signs installed in the business district near downtown.



Outreach & Education

KAIRE participated in dozens of community events in Kentuckiana, including Healthy Hoops Kentucky.



Outreach & Education

Idle Free Louisville posters are prominently displayed in businesses, schools & other establishments all over Kentuckiana, including this one at Assumption High School.



Outreach & Education

Continued to increase KAIRE's social media connections on Twitter and Facebook, and started a new Twitter feed for APCD news (@louapcd).



Outreach & Education

Secured a \$480,000 Congestion Mitigation and Air Quality grant from the Federal Highway Administration via the Kentucky Transportation Cabinet. This will allow KAIRE to continue its vital mission.



Goals for 2016

- Helping to launch and promote Louisville Air Watch, a revamped website for local air quality information
- Assist the APCD in educating and informing the public about the new national air quality standard for ozone
- Continue to recruit new businesses, schools, and organizations into the Idle Free Louisville program
- Serving as a panelist at the National Association of Clean Air Agencies Communicating Air Quality Conference in March in Chicago

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