Air Quality Advisory Program Launch

Southwest Ohio Air Quality Agency
Cincinnati, Ohio

SOUTHWEST OHIO
AIR QUALITY AGENCY

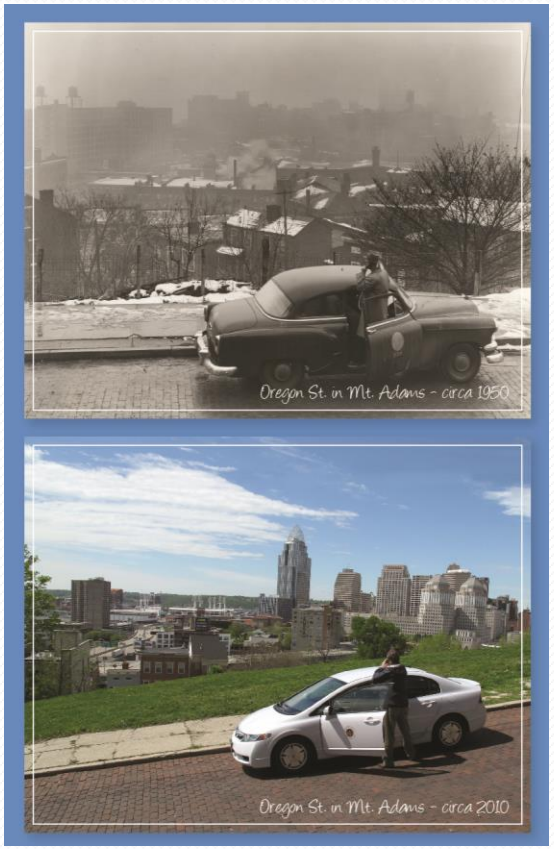
Southwest Ohio Air Quality Agency

a division of Hamilton County Department of Environmental Services

- Serves Butler, Clermont, Hamilton and Warren counties
- Monitors air quality and regulates industrial air emissions
- Established in late 1880s
- Under contract by Ohio EPA

Why is Air Quality Important?

- Public Health
- Environment
- Economic Development



National Ambient Air Quality Standards

- Created by the Clean Air Act
- Protective of public health and the environment
- Compliance status is important for industry

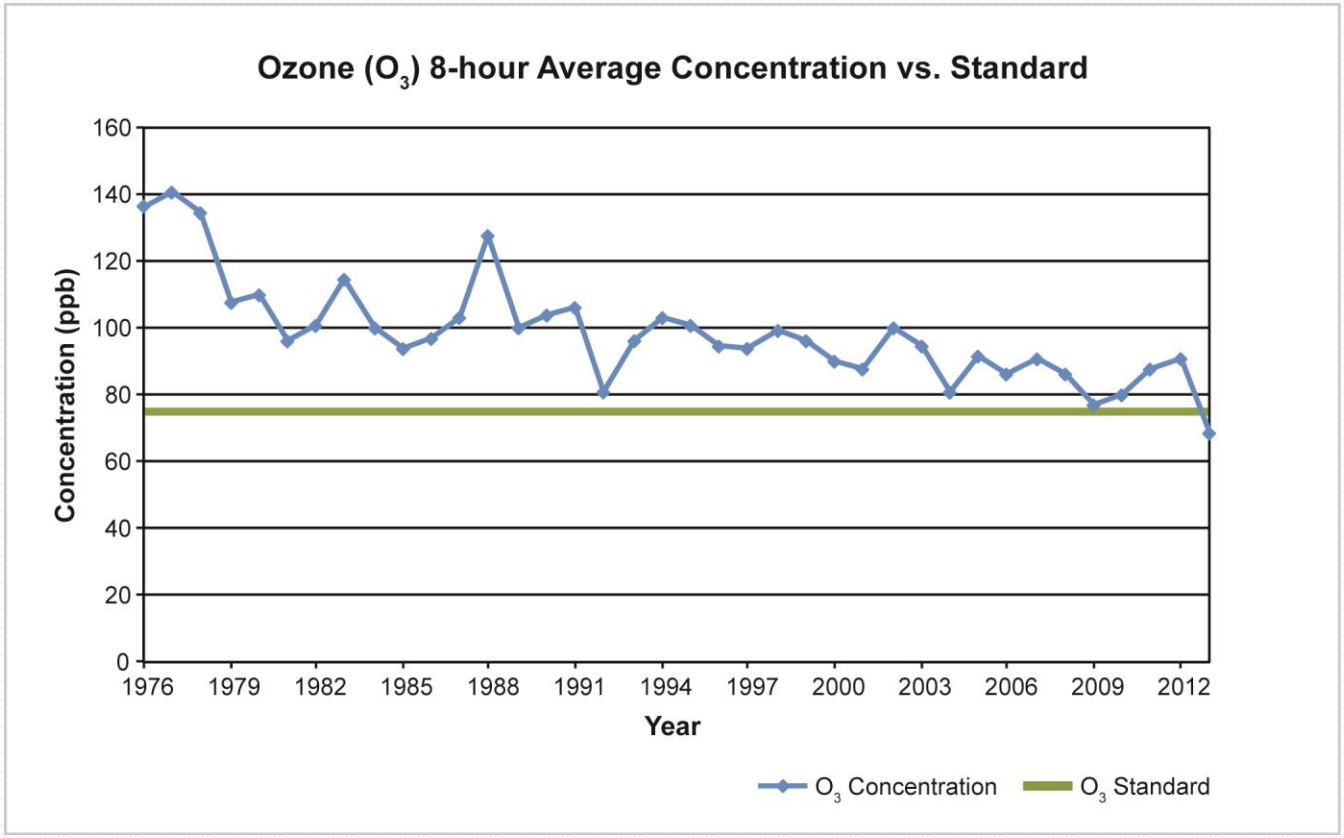
Compliance with Air Quality Standards

Pollutant	Standard	In Compliance?
Carbon Monoxide	1 hr. – 35 ppm	Yes
	8 hr. – 9 ppm	Yes
Lead	.15 μg/m^3	Yes
Nitrogen Dioxide	1 hr. – 100 ppb	Unclassifiable
	Annual – 53 ppb	Unclassifiable
Sulfur Dioxide	75 ppb	Partial non-attainment
Ozone	.075 ppm	No
Particulate Matter, PM10	150 μg/m^3	Yes
Particulate Matter, PM2.5	24 hr. – 35 μg/m^3	Yes
	Annual – 12 μg/m^3	Yes

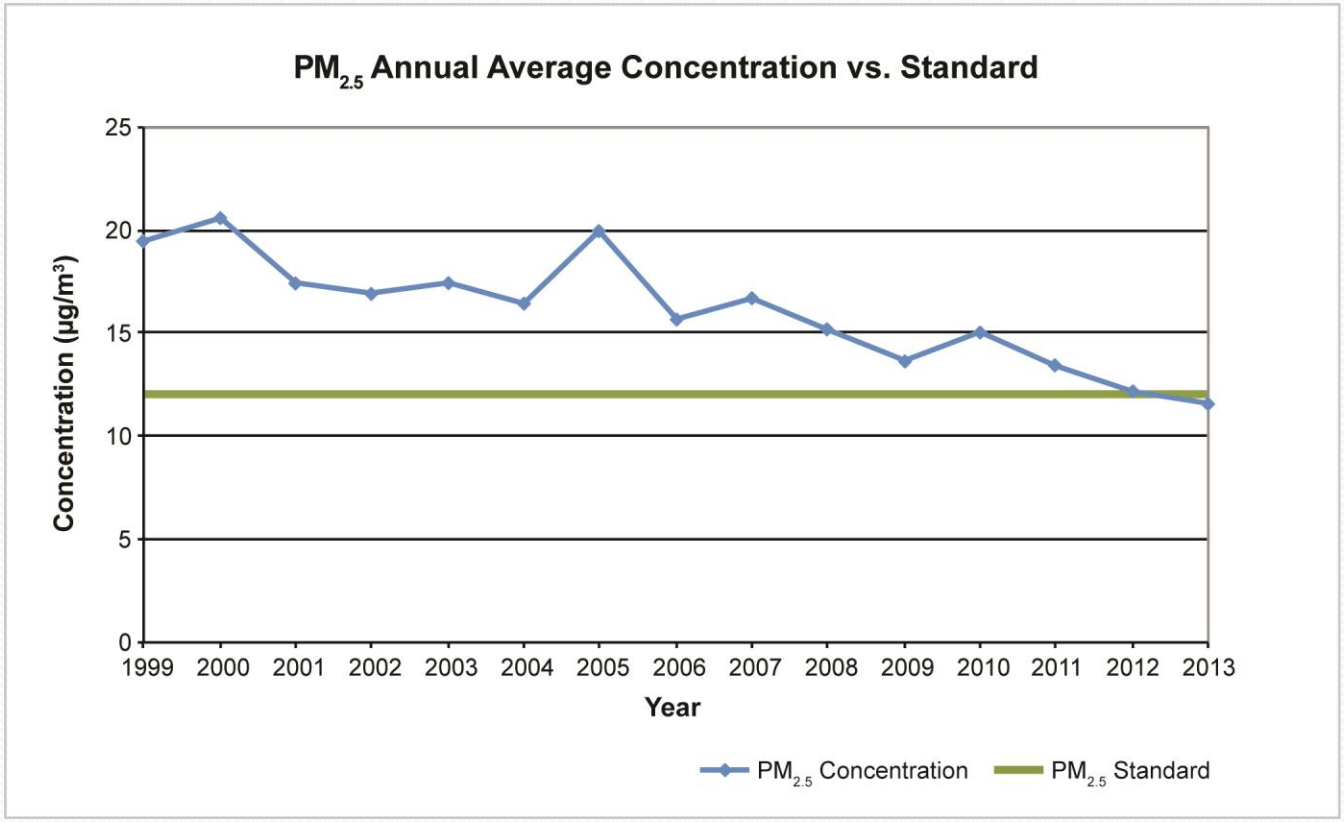
Smog Alerts

- When Issued
- History
  - Poor air quality
  - Outreach
  - Business community

Statistics


Ozone (O_3) 8-hour Average Concentration vs. Standard
Concentration (ppb)
160
140
120
100
80
60
40
20
0
1976
1979
1982
1985
1988
1991
1994
1997
2000
2003
2006
2009
2012
Year
O_3 Concentration
O_3 Standard

Statistics


PM2.5 Annual Average Concentration vs. Standard
Concentration (µg/m³)
25
20
15
10
5
0
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
Year
PM2.5 Concentration
PM2.5 Standard

Change Needed

- Complacency
- Wintertime air issues
- Ozone standard change

	Current Ozone Standard	Proposed Range	
	>75 ppb	>70 ppb	>65 ppb
2013	2	11	43
2014	4	20	66

Air Quality Advisory

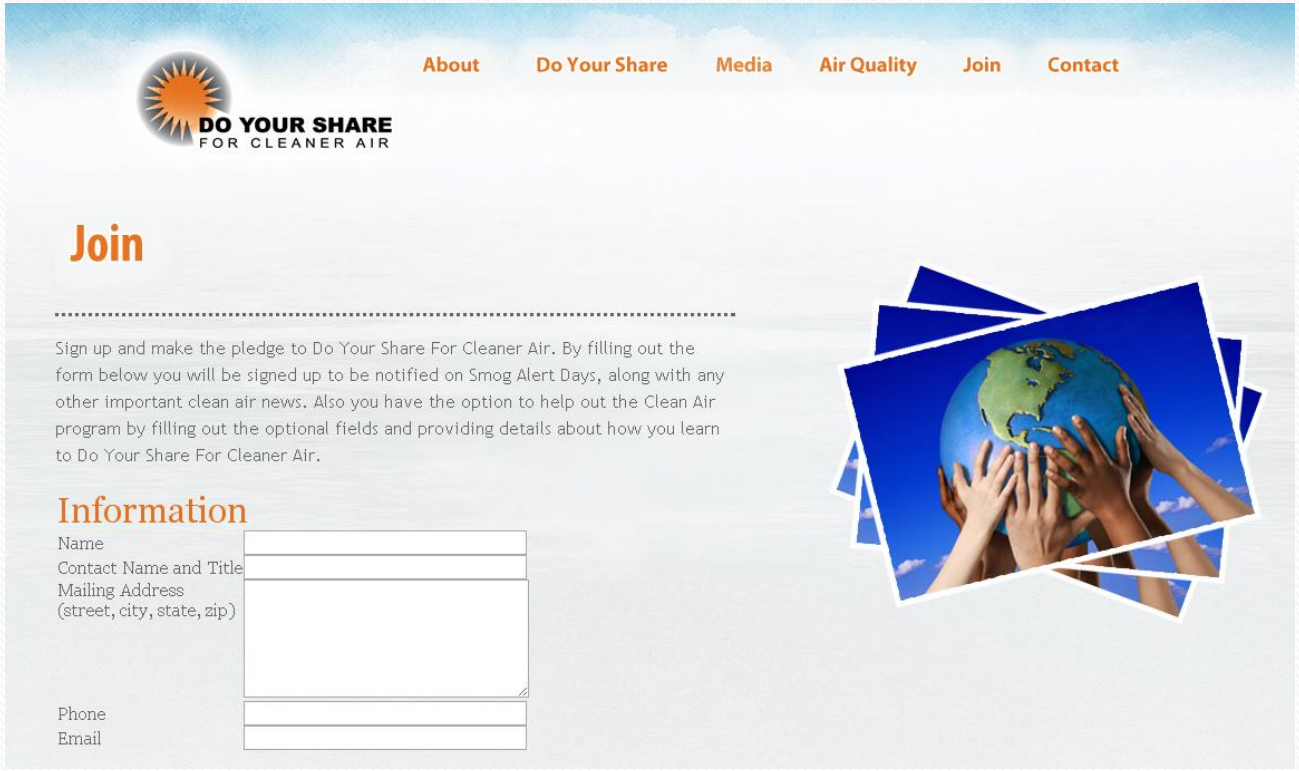
- Cohesiveness throughout Ohio
- Create more awareness
- More technically accurate

Why Now?

- April 1 – ozone monitoring season begins
- Attention already given on stricter ozone standard
  - Proposal expected from U.S. EPA October 1

Regional Program

- Partnership between Southwest Ohio Air Quality Agency and OKI Regional Council of Governments
- Sign up at DoYourShare.Org



We need your help

- Support us
- Share info with employees
- Put an air quality business plan in place

Educate Employees

- Toolkit
  - Employee newsletter or intranet
  - Graphics and signage
  - Social media posts

Air Quality Business Plan

- Sample plan
  - Suspend mowing
  - Promote alternate modes of transportation
  - Consider motion sensor lights
  - Become idle-free
- We will provide publicity

Conclusion

- Sign up to receive Air Quality Advisories
- Use the toolkit
- Consider a business plan
- Learn more:

facebook

twitter

EnviroFlash
Your Environmental News Flash

Thank you!

Contact info:

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