



2015 Ozone Standard and Designation Process

Clean Air Act Advisory Group Meeting
Hutchinson, KS
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Presentation overview

- Review new ozone standard, discuss current conditions
- Describe the designation process
- Discussion of 2016 ozone season so far

2015 Ozone Standard

- October 2015, **70 ppb** became the new health-based standard for ground-level ozone
- 2013-2015 Metropolitan Area design values*:
 - Wichita – 67 ppb
 - Kansas City – 64 ppb (KS) 68 ppb (MO)
 - Topeka – 64 ppb
- KDHE will submit designation recommendations for the state to EPA by October 1, 2016
 - Based on quality assured data sets collected between April 1 and October 31 of each year**
 - All areas of Kansas currently meet the new ozone standard

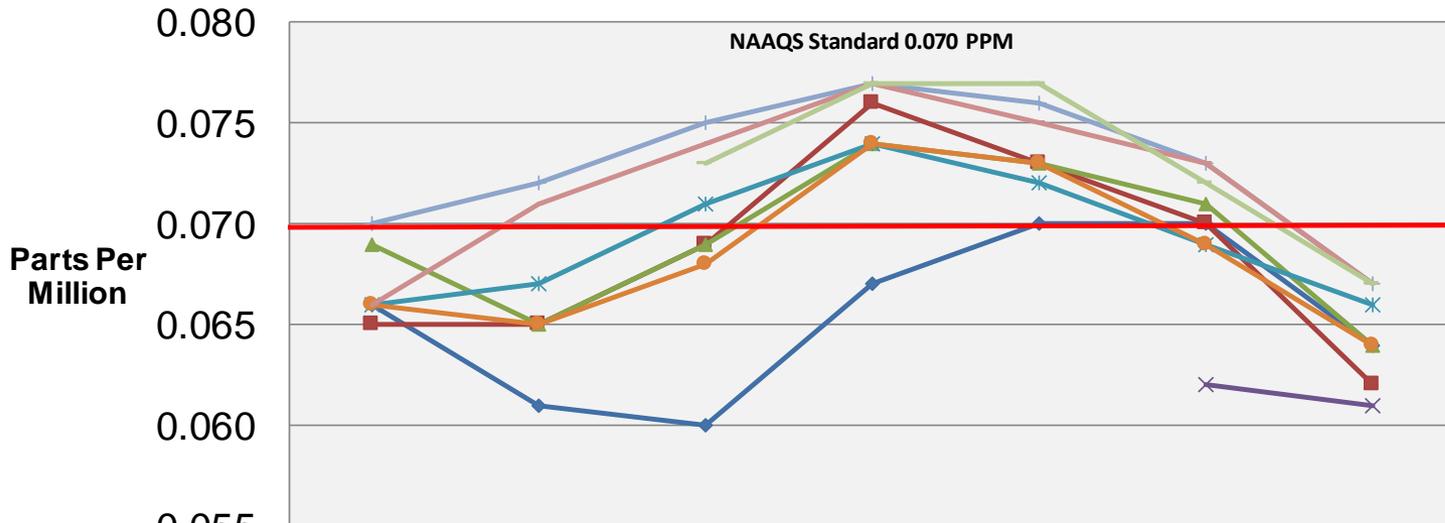
*3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at a given monitoring station.

**Starting with the 2017 data and beyond, ozone data collection (Ozone Season) will be March 1 to October 31.

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8 Hour Ozone Design Values

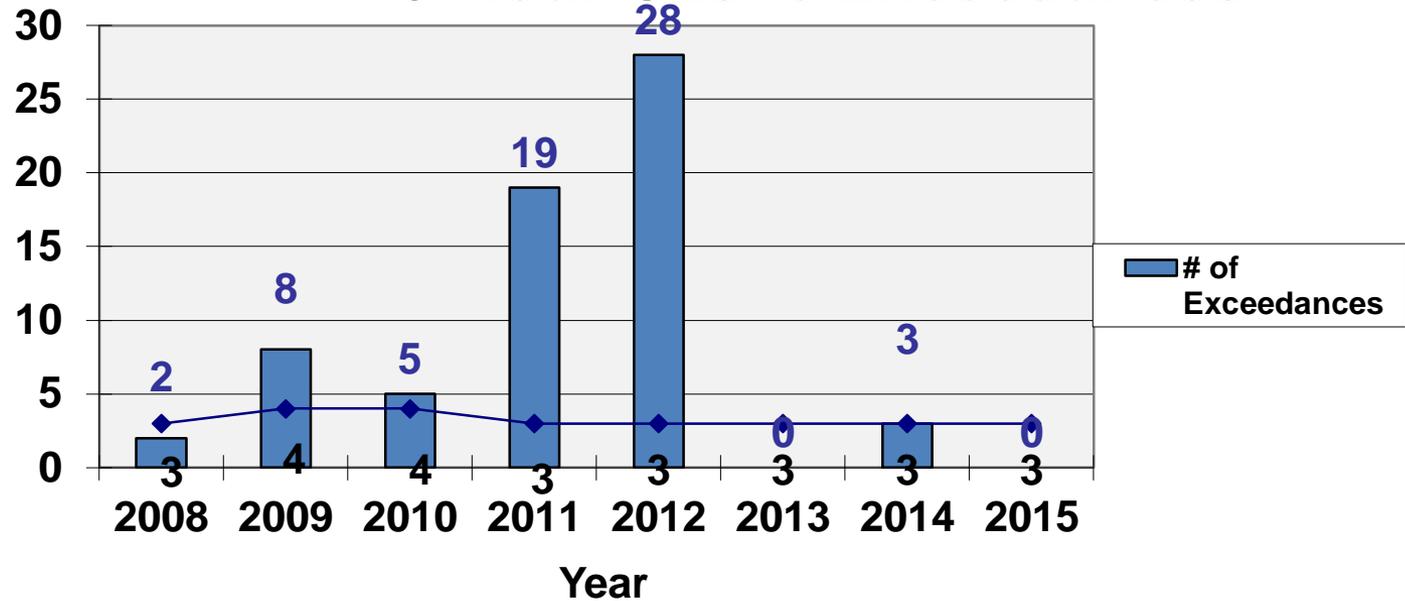


	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013	2012-2014	2013-2015
JFK	0.066	0.061	0.060	0.067	0.070	0.070	0.064
Heritage Park	0.065	0.065	0.069	0.076	0.073	0.070	0.062
Leavenworth	0.069	0.065	0.069	0.074	0.073	0.071	0.064
Chanute						0.062	0.061
Cedar Bluff	0.066	0.067	0.071	0.074	0.072	0.069	0.066
KNI/Topeka	0.066	0.065	0.068	0.074	0.073	0.069	0.064
Peck	0.070	0.072	0.075	0.077	0.076	0.073	0.067
Wichita HD	0.066	0.071	0.074	0.077	0.075	0.073	0.067
Sedgwick			0.073	0.077	0.077	0.072	0.067

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Wichita 8-Hour Ozone Exceedances

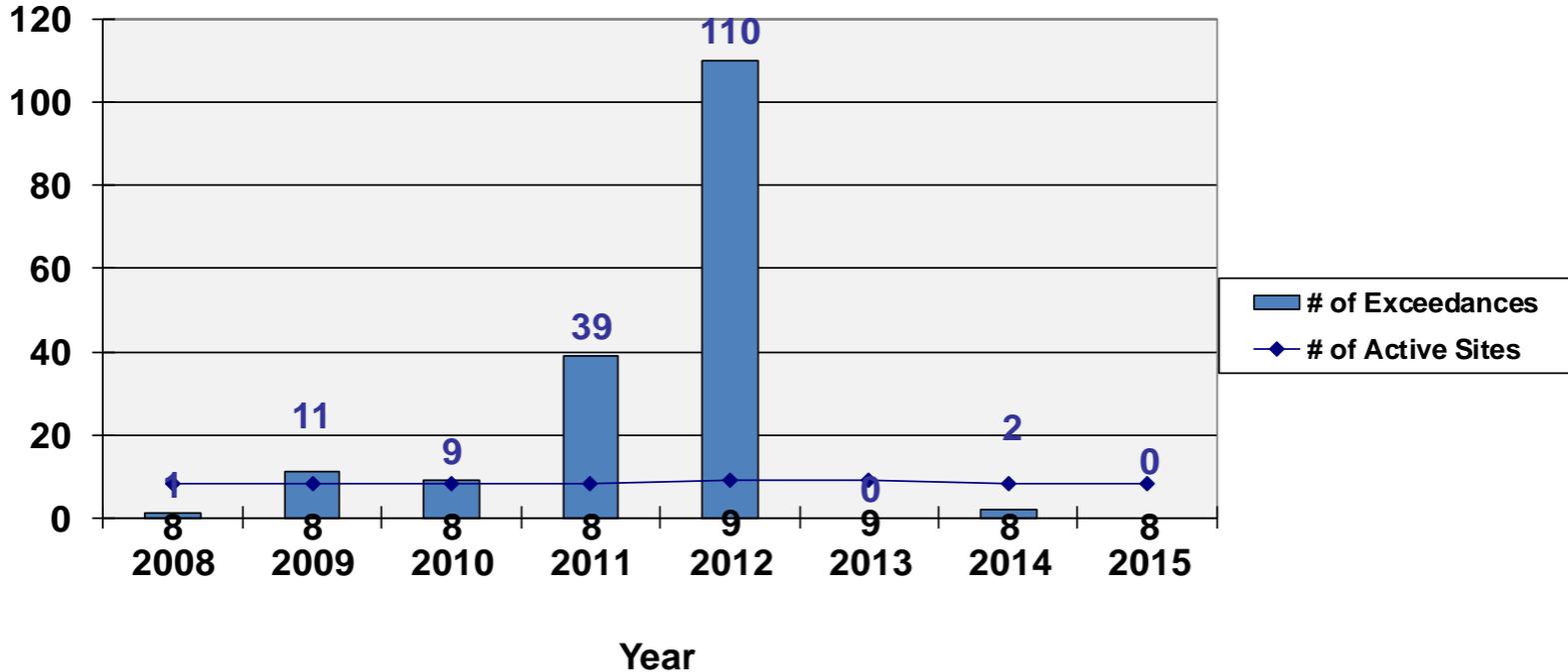


2016 = As of 8/1/2016 there are 2 exceedances from 4/4/2016, data for 2016 is not yet quality assured.

Wichita MSA (as of 8/1/2016)

- April 4, 2016 two area monitors measured elevated levels of ozone that exceeded the 8-hr standard
 - 103 ppb at Wichita HD (Flagged)
 - 78 ppb at Sedgwick (Flagged)
 - Monitor at Peck in Sumner Co did not measure elevated levels that exceeded the standard
- As of 8/1/2016, the current 4th high values are:
 - WHD – 62 ppb
 - Peck – 62 ppb
 - Sedgwick – 64 ppb
- As of 8/1/2016, the current 2014-2016 design values are:
 - WHD – 64 ppb
 - Peck – 64 ppb
 - Sedgwick – 64 ppb

Kansas City 8-Hour Ozone Exceedances



2016 = As of 8/1/2016 there are 5 exceedances from 6/16/2016, 6/27/2016 and 7/27/2016 (data for 2016 is not yet quality assured)

Kansas City MSA (as of 8/1/2016)

- June 16, 2016 three area monitors measured elevated levels of ozone that exceeded the 8-hr standard
 - 73 ppb at Liberty (MO)
 - 76 ppb at Rocky Creek (MO)
 - 79 ppb Trimble (MO)
- June 27, 2016 one area monitor measured elevated levels of ozone that exceeded the 8-hr standard
 - 79 ppb JFK (KS)
- July 27, 2016 one area monitor measured elevated levels of ozone that exceeded the 8-hr standard
 - 75 ppb JFK (KS)
- As of 8/1/2016, the current 2014-2016 design values are:
 - JFK (KS) – 63 ppb
 - Jo. Co. (KS) – 60 ppb
 - Leavenworth (KS) – 63 ppb
 - Liberty (MO) – 64 ppb
 - Richards Gebauer South (MO) – 63 ppb
 - Rocky Creek (MO) – 67 ppb
 - Trimble (MO) – 66 ppb
 - Watkins Mill (MO) – 65 ppb

Questions



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