

Iowa Ozone Monitoring Locations and Design Values for Ozone 2013-2015

A design value is a tool that can be used to understand pollution levels at a specific location. A design value may be set for any pollutant. The U.S. EPA's official definition is explained this way: "a design value is the mathematically determined pollutant concentration at a particular site that must be reduced to, or maintained at or below the National Ambient Air Quality Standard to assume attainment." The design value number tells us how a particular site or area compares with the National Ambient Air Quality Standards (NAAQS).

Iowa ozone monitor location and information is detailed on the following pages. The EPA design value for 8-hour ozone is equal to the average of the 4th highest annual daily maximum 8-hour value for the most recent three years. EPA promulgated new lower ozone standards on October 1, 2015. A monitoring site must have a design value less than 71 parts per billion to be considered "in attainment" with the ozone NAAQS. All monitoring sites in Iowa are in attainment with the 8-hour ozone NAAQS. Additional information on the revised ozone standard is available here:

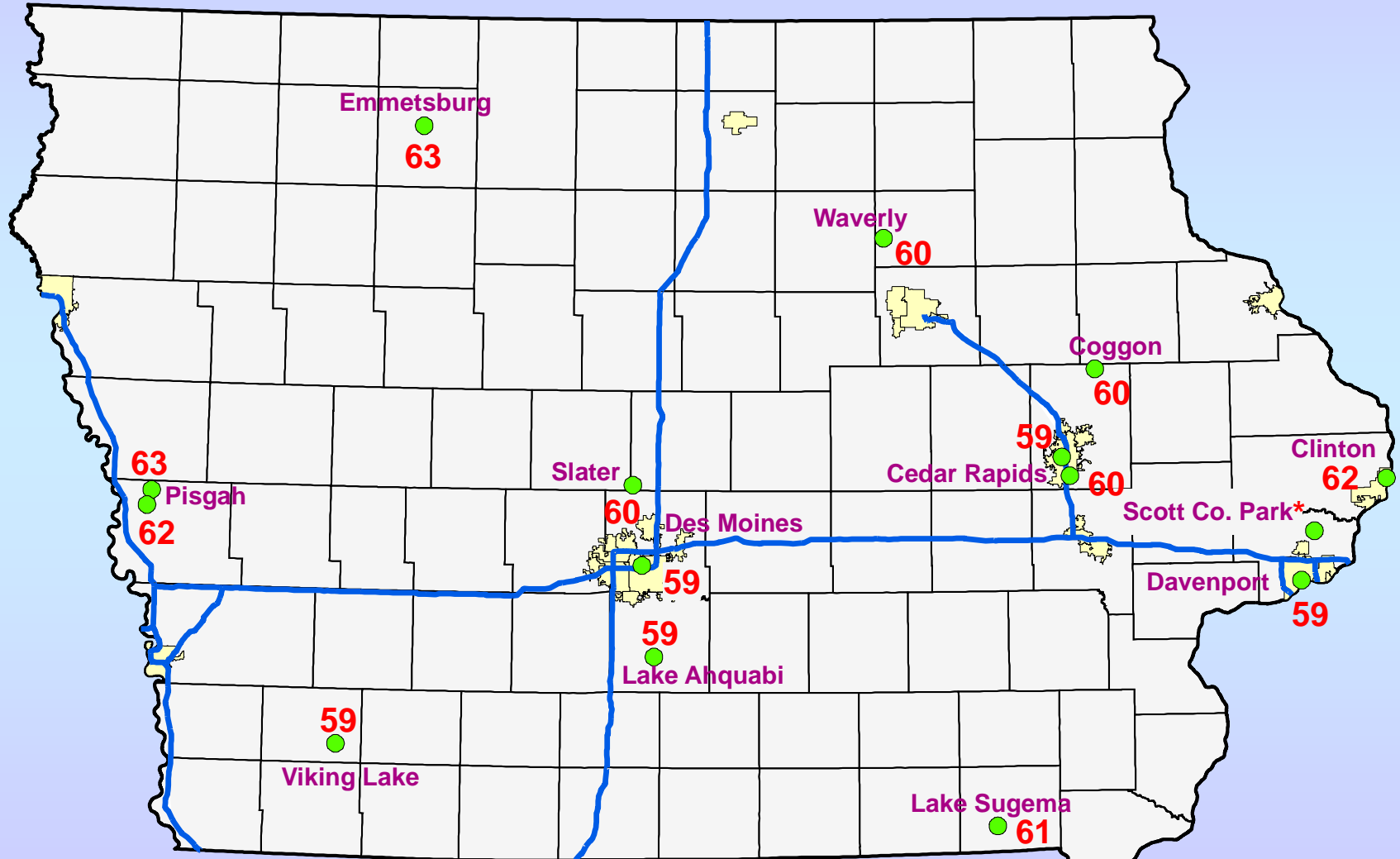
<http://www.epa.gov/oar/ozonepollution/actions.html>

Iowa Ozone Monitors (2015)

AQS Site ID	Site Name	Location	County
19-017-0011	Waverly, Airport	Waverly	Bremer
19-045-0021	Clinton, Rainbow Park	Clinton	Clinton
19-085-0007	Pisgah, Forestry Office	Pisgah	Harrison
19-085-1101	Pisgah, Highway Shed	Pisgah	Harrison
19-113-0028	Cedar Rapids, Kirkwood CC	Cedar Rapids	Linn
19-113-0033	Coggon Elementary School	Coggon	Linn
19-113-0040	Cedar Rapids, Public Health	Cedar Rapids	Linn
19-137-0002	Viking Lake State Park	Red Oak	Montgomery
19-147-1002	Emmetsburg, Iowa Lakes CC	Emmetsburg	Palo Alto
19-153-0030	Des Moines, Health Dept.	Des Moines	Polk
19-163-0014	Scott County Park	Davenport	Scott
19-163-0015	Davenport, Jefferson School	Davenport	Scott
19-169-0011	Slater, City Hall	Slater	Story
19-177-0006	Lake Sugema	Lake Sugema	Van Buren
19-181-0022	Lake Ahquabi	Indianola	Warren

Iowa Ozone Design Values: 2013-2015

Values in ppb, values greater than 70 exceed the standard



* Denotes insufficient data to calculate a valid design value.

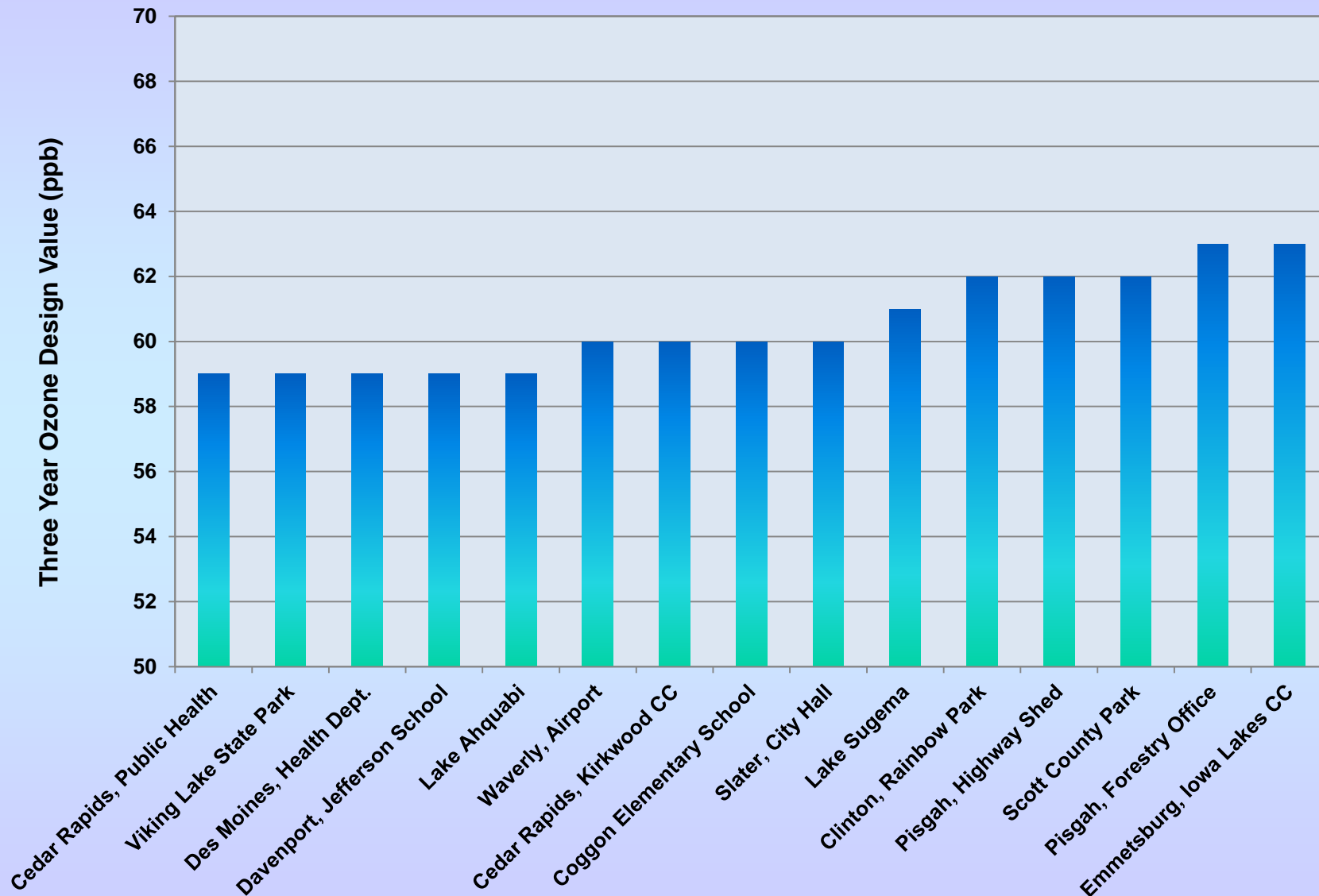
Iowa Ozone Design Values 2015**

County	City	EPA Site Id	Year	4th Highest Daily Maximum 8hr Ozone Concentration (ppb)	3-year Average (ppb) of 4th Highest	Years Averaged
Bremer	Waverly	19-017-0011	2013	60	60	2013-2015
			2014	61		
			2015	59		
Clinton	Clinton	19-045-0021	2013	62	62	2013-2015
			2014	65		
			2015	61		
Harrison	Pisgah	19-085-0007	2013	65	63	2013-2015
			2014	63		
			2015	61		
Harrison	Pisgah	19-085-1101	2013	65	62	2013-2015
			2014	62		
			2015	61		
Linn	Cedar Rapids	19-113-0028	2013	60	60	2013-2015
			2014	59		
			2015	63		
Linn	Coggon	19-113-0033	2013	60	60	2013-2015
			2014	61		
			2015	60		
Linn	Cedar Rapids	19-113-0040	2013	59	59	2013-2015
			2014	59		
			2015	60		
Montgomery	Red Oak (Viking Lake)	19-137-0002	2013	60	59	2013-2015
			2014	59		
			2015	60		

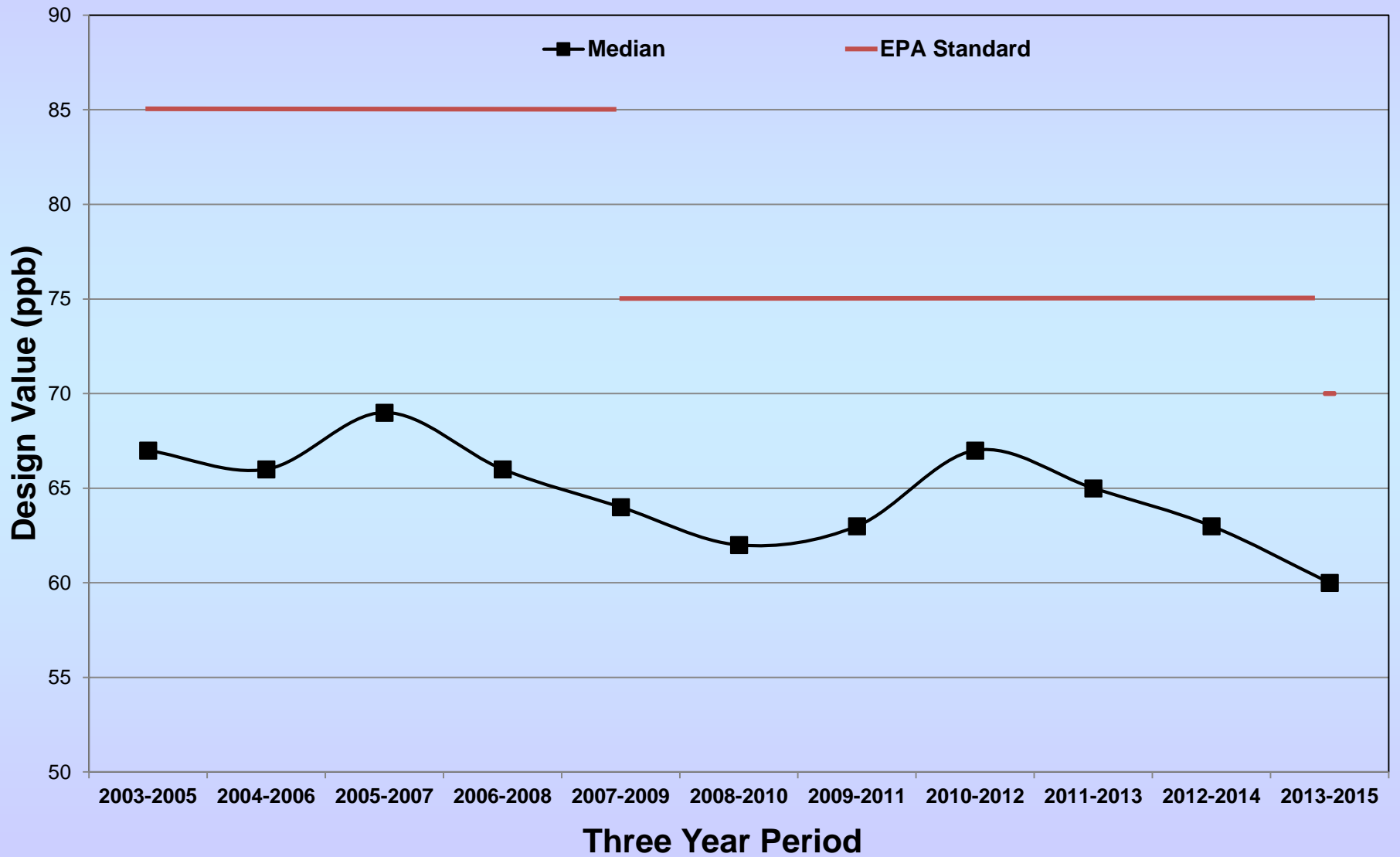
Iowa Ozone Design Values 2015** (continued)

County	City	EPA Site Id	Year	4th Highest Daily Maximum 8hr Ozone Concentration (ppb)	3-year Average (ppb) of 4th Highest	Years Averaged
Palo Alto	Emmetsburg	19-147-1002	2013	64		
			2014	63		
			2015	64	63	2013-2015
Polk	Des Moines	19-153-0030	2013	58		
			2014	61		
			2015	60	59	2013-2015
Scott	Davenport	19-163-0015	2013	60		
			2014	59		
			2015	59	59	2013-2015
Story	Slater	19-169-0011	2013	61		
			2014	62		
			2015	59	60	2013-2015
Van Buren	Keosauqua (Lake Sugema)	19-177-0006	2013	63		
			2014	63		
			2015	57	61	2013-2015
Warren	Indianola	19-181-0022	2013	59		
			2014	60		
			2015	59	59	2013-2015
(Three Year Averages Greater Than 70 ppb Indicate Non-Attainment with the NAAQS)						
** Values considered preliminary until data is certified in May 2016						

Iowa Ozone Design Values Chart: 2013-2015



Median Ozone Design Values in Iowa Ozone Monitoring Network



Web Resources

Iowa Real-time Data Reporting :

In Polk County:

<http://www.polkcountyiowa.gov/airquality/air-quality-monitoring/current-aqi-real-time-data/>

In Linn County:

<http://www.linncleanair.org/Default.aspx>

Outside Polk and Linn Counties:

<http://www.shl.uiowa.edu/env/ambient/index.xml>

Design Values for All Pollutants Nationwide:

<http://www.epa.gov/airtrends/values.html>

Ozone Maps:

<http://airnow.gov/>

Historical Air Pollution Data for Iowa and Other States:

<http://www.epa.gov/airdata/>