

# Iowa Ozone Monitoring Locations and Design Values for Ozone 2004-2006

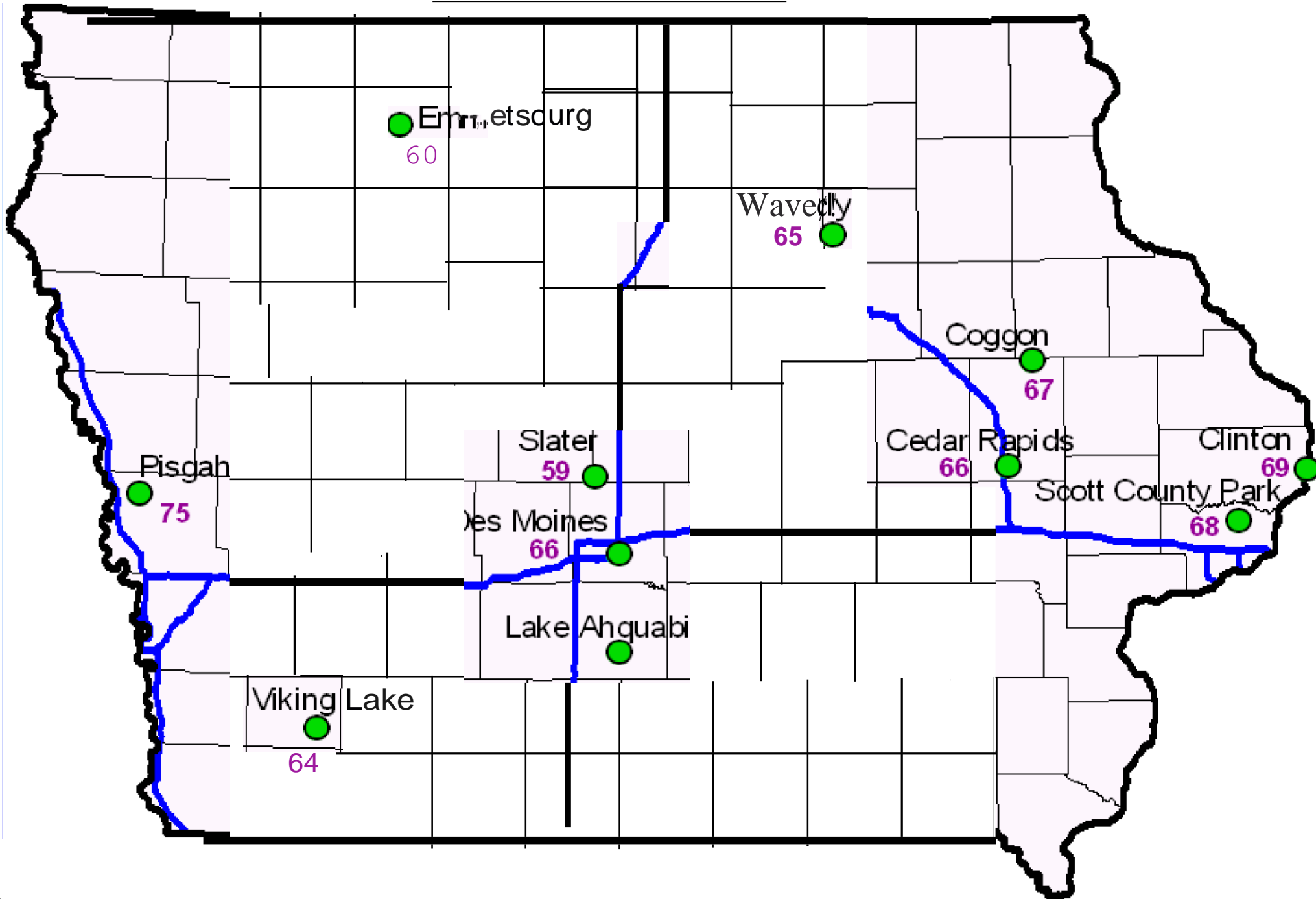
A design value is a tool that can be used to understand pollution levels at a specific location. A design value may be set for any pollutant. The U.S. EPA's official definition is explained this way: "a design value is the mathematically determined pollutant concentration at a particular site that must 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. A monitoring site must have a design value less than 85 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.

## Iowa Ozone Monitors (2006)

AQS Site ID	Site Name	Location	County	
19-017-0011	Waverly Airport	Waverly	Bremer	
19-045-0021	Rainbow Park	Clinton	Clinton	
19-085-1101	Pisgah	Pisgah	Harrison	
19-113-0028	Kirkwood Community College	Cedar Rapids	Linn	
19-113-0033	Coggon	Coggon	Linn	
19-137-0002	Viking Lake State Park	Red Oak	Montgomery	
19-147-1002	Iowa Lakes Community College	Emmetsburg	Palo Alto	
19-153-0058	Phillips School	Des Moines	Polk	
19-163-0014	Scott County Park	Davenport	Scott	
19-163-0015	10th and Vine	Davenport	Scott	
19-169-0011	Slater Elementary	Slater	Story	
19-177-0006	Lake Sugema	Keosauqua	Van Buren	
19-181-0022	Lake Ahquabi	Indianola	Warren	

# Iowa Ozone Design Values: 2004-2006



## Iowa Ozone Design Values 2006\*\*

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	2004	63	65	04-06
			2005	70		
			2006	64		
Clinton	Clinton	19-045-0021	2004	66	69	04-06
			2005	78		
			2006	65		
Harrison	Pisgah	19-085-1101	2004	71	75	04-06
			2005	80		
			2006	74		
Linn	Cedar Rapids	19-113-0028	2004	61	66	04-06
			2005	72		
			2006	66		
Linn	Coggon	19-113-0033	2004	64	67	04-06
			2005	73		
			2006	64		
Montgomery	Red Oak (Viking Lake)	19-137-0002	2004	58	64	04-06
			2005	67		
			2006	68		
Palo Alto	Emmetsburg	19-147-1002	2004	58	60	04-06
			2005	64		
			2006	60		
Polk	Des Moines	19-153-0058	2004	59	66	04-06
			2005	72		
			2006	69		
Scott	Davenport	19-163-0014	2004	69	68	04-06
			2005	77		
			2006	59		
Story	Slater	19-169-0011	2004	53	59	04-06
			2005	65		
			2006	61		
Warren	Indianola	19-181-0022	2004	51	62	04-06
			2005	72		
			2006	64		

**(Three Year Averages Greater Than 85 ppb Indicate Non-Attainment with the NAAQS)**

**\*\* Values considered preliminary until data is certified in July 2007**

EPA Determined that this site did not meet data completeness. Design value not valid (updated 4-2010)

# Web Resources

## **Iowa Real-time Data Reporting :**

*In Polk County:*

<http://www.airquality.co.polk.ia.us/Default.aspx>

*In Linn County:*

<http://www.air.linn.ia.us/>

*Outside Polk and Linn Counties:*

<http://www.uhl.uiowa.edu/services/environment/airquality/ambient/index.html>

*Design Values for All Pollutants Nationwide:*

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

*Ozone Maps:*

<http://www.epa.gov/airnow/index.html>

**Historical Air Pollution Data for Iowa and Other States:**

<http://www.epa.gov/air/data/>