Iowa Ozone Monitoring Locations and Design Values for Ozone

2003-2005

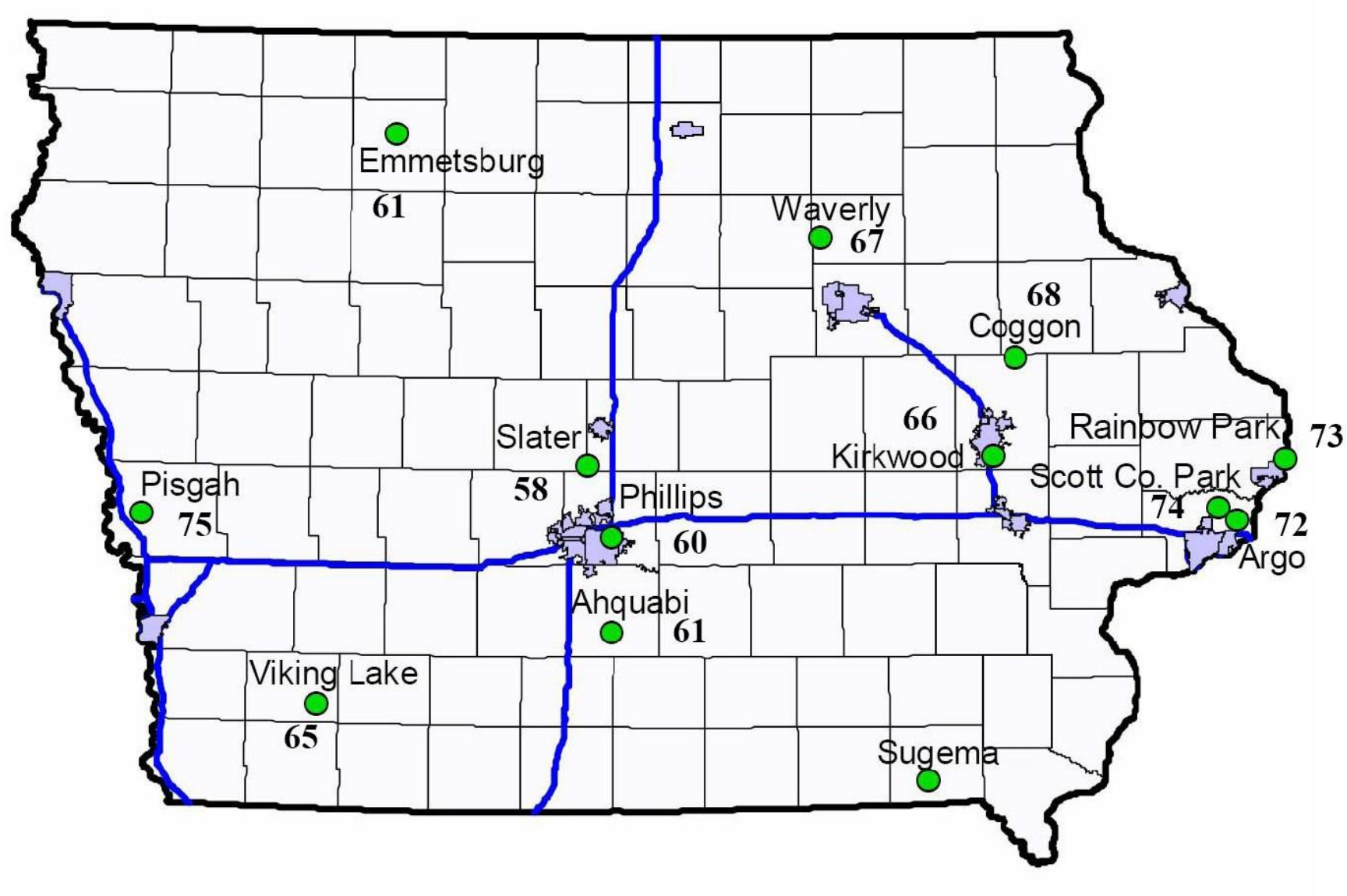
A design value is a tool that can be used to understand pollution levels at a specific location. A design value may be set for any pollutant. The U.S. EPA's official definition is explained this way: "a design value is the mathematically determined pollutant concentration at a particular site that must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

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
19-163-2011	Argo	Argo	Scott
19-169-0011	Slater Elementary	Slater	Story
19-177-0005	Sugema	Lake Sugema	Van Buren
19-181-0022	Ahquabi	Indianola	Warren

Iowa Ozone Design Values 2003-2005



Iowa Ozone Design Values 2005**

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

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	2003	70		
			2004	63		
			2005	70	67	03-05
Clinton	Clinton	19-045-0021	2003	75		
			2004	66		
			2005	78	73	03-05
Harrison	Pisgah	19-085-1101	2003	74		
			2004	71		
			2005	80	75	03-05
Linn	Cedar Rapids	19-113-0028	2003	67		
			2004	61		
			2005	72	66	03-05
Linn	Coggon	19-113-0033	2003	68		
			2004	64		
			2005	73	68	03-05
Montgomery	Red Oak	19-137-0002	2003	70		
	(Viking Lake)		2004	58		
			2005	67	65	03-05
Palo Alto	Emmetsburg	19-147-1002	2003	63		
			2004	58		
			2005	64	61	03-05
Polk	Des Moines	19-153-0058	2003	51		
			2004	59		
			2005	72	60	03-05
Scott	Davenport	19-163-0014	2003	76		
			2004	69		
			2005	77	74	03-05
Scott	Argo	19-163-2011	2003	73		
			2004	67		
			2005	76	72	03-05
Story	Slater	19-169-0011	2003	58		
			2004	53		
			2005	65	58	03-05
Van Buren	Keosauqua	19-177-0005	2003	73		
	(Lake Sugema)		2004	63		
			2005	68	~~68~~	03-05
Warren	Indianola	19-181-0022	2003	61		
			2004	51		
			2005	72	61	03-05

**Values considered preliminary until data is certified in July 2006

Site was moved approximately one mile after 2004 ozone season.
This is not a valid design value. Table fixed 4-2010