



Jim Pillen
Governor

STATE OF NEBRASKA

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January 22, 2025

Mr. Eward Chu
Deputy Regional Administrator
U.S. EPA, Region VII
11201 Renner Boulevard
Lenexa, KS 66219

Dear Mr. Chu:

In accordance with Section 107(d)(1) of the Clean Air Act, I am submitting designation recommendations and supporting documentation for the revised PM_{2.5} Primary Annual National Ambient Air Quality Standard (NAAQS), promulgated on March 6, 2024, which became effective on May 6, 2024. I hereby recommend that all areas (counties) in the State of Nebraska be designated "**attainment/unclassifiable**", with the exception of Gage county, which I recommend be designated "**unclassifiable**".

Nebraska monitors PM_{2.5} at eight locations in the state. The attached documentation describes these locations and compares annual air quality data for the most recent consecutive three-year period (2021-2023) to the revised 2024 PM_{2.5} Primary Annual NAAQS of 9.0 µg/m³ and the previous annual standard of 12.0 µg/m³.

- The certified monitoring data for this period demonstrate that the annual mean averaged over three years, known as the Design Value (DV), for each of Nebraska's monitoring sites (except the Homestead NHP site) is in attainment with the revised primary annual PM_{2.5} standard, as shown in the attached Nebraska PM_{2.5} Annual Design Values.
- Preliminary design values included in Nebraska's 2024 Ambient Air Monitoring Network Plan indicated that all monitoring sites demonstrate attainment with the previous annual standard.

Thus far, preliminary monitoring data for 2024 indicate continued compliance with this standard, and further support my recommended designations.

The Homestead NHP monitoring site (Gage county) lacks a valid DV for 2021-2023 because data did not meet the completeness requirements outlined in 40 CFR Part 50, Appendix N. For this reason, I recommend the designation of "**unclassifiable**" for the Homestead NHP site; when a valid DV is assigned to this site, I intend to submit a revised designation recommendation.

If there are any questions regarding my recommendations, please feel free to contact Steve Goans (402-471-2580, steve.goans@nebraska.gov) or Tracy Wharton (402-471-6410, tracy.wharton@nebraska.gov).

Sincerely,



Jim Pillen
Governor

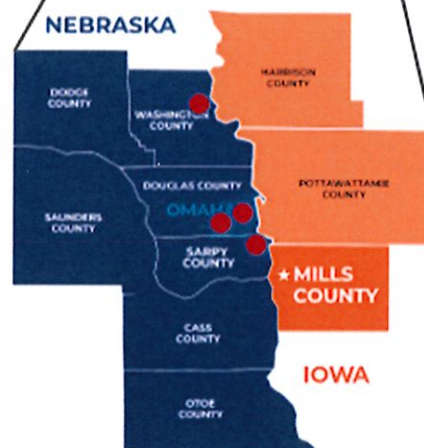
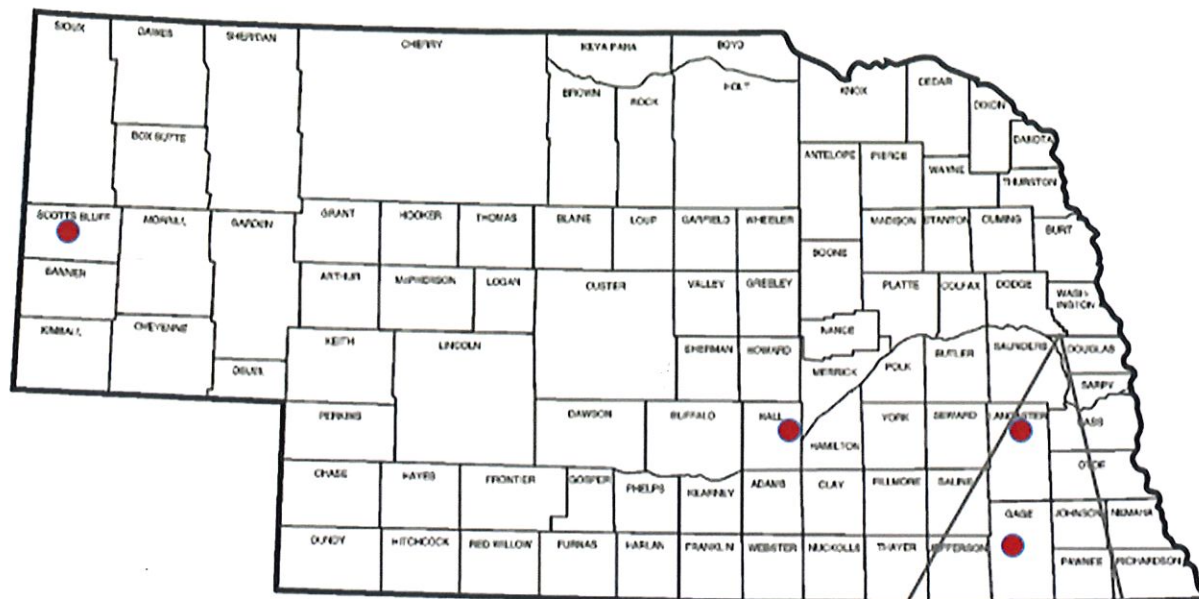
cc:

Dana Skelley, Air and Radiation Division, U.S. EPA, Region VII
Kara Valentine, Interim Director, Nebraska Department of Environment and Energy
Brian Brim, Legal Division, NDEE

ATTACHMENTS

Fine Particulate Matter (PM_{2.5}) Monitoring Sites in Nebraska
Nebraska PM_{2.5} Annual Design Values
Nebraska Preliminary Design Values

Fine Particulate Matter (PM2.5) Monitoring Sites in Nebraska



Omaha-Council Bluffs Metropolitan Statistical Area (Nebraska portion)

4102 Woolworth Avenue, Omaha (NCORE)
9225 Berry Street, Omaha

2912 Coffey Avenue, Bellevue
2242 Wright Street, Blair

Other Nebraska Counties

3140 N Street, Lincoln (Lincoln-Lancaster County Health Department)
24405 SW 75 Road, Beatrice (Homestead National Historical Park)
3305 W Old Potash Highway, Grand Island (Grand Island DOT)
Highway 26 & 5th Avenue, Scottsbluff (Scottsbluff Senior High School)

Nebraska PM_{2.5} Annual Design Values

Source: EPA's Design Value Interactive Tool, <https://www.epa.gov/air-trends/design-value-interactive-tool>

PM2.5 Annual Design Values

Site Details				Site Trends		NAA Trends		Violating Not In NAA	
State Name	County Name	AQS Site ID	Local Site Name	Street Address	CBSA	2023 Design Value	Div Valid	Exceeds Standard	
Nebraska	Cass	31-025-0002	4102 Woolworth Ave. on Healthcenter Warehouse	CITY SANITATION BLDG (WEeping WATER)	Omaha-Council Bluffs, NE-IA	7.1	N	I	
Nebraska	Douglas	31-055-0019	Healthcenter Warehouse	DOUGLAS COUNTY HOSP 42ND & WOOLWORTH	Omaha-Council Bluffs, NE-IA	7.1	Y	N	
Nebraska	Douglas	31-055-0052	ON TOP OF ELEMENTARY SCHOOL	922 S BERRY	Omaha-Council Bluffs, NE-IA	8.1	Y	N	
Nebraska	Hall	31-079-0004	Grand Island Senior High	2124 NORTH LAFAYETTE	Grand Island, NE	6.8	Y	I	
Nebraska	Hall	31-079-0005	Grand Island NDOT	3305 W Old Potash Hwy	Grand Island, NE	6.8	Y	N	
Nebraska	Lancaster	31-109-0022	ON ROOF OF HEALTH DEPARTMENT	3140 N ST LINCOLN	Lincoln, NE	7.2	Y	N	
Nebraska	Sarpy	31-153-0007	ON GOLDEN HILLS ELEMENTARY ROOF	2912 COFFEY AVE BELLEVUE	Omaha-Council Bluffs, NE-IA	7.8	Y	N	
Nebraska	Scotts Bluff	31-157-0003	ON ROOF OF PUBLIC LIBRARY	1809 3RD AVE SCOTTSBLUFF	Scottsbluff, NE		N	I	
Nebraska	Scotts Bluff	31-157-0004	Scottsbluff Senior High School	Highway 26 & 5th Avenue	Scottsbluff, NE	4.6	Y	N	
Nebraska	Washington	31-177-0002	ON ROOF OF GOOD SHEPARD LUTHERAN HOME	2242 WRIGHT STREET	Omaha-Council Bluffs, NE-IA	6.6	Y	N	

Nebraska Preliminary Design Values

Source: Nebraska Draft 2024 Ambient Air Quality Monitoring Network Plan, June 4, 2024
<http://dee.ne.gov/Publica.nsf/PubsForm.xsp?documentId=6B9D62318FBF5E1486258B1D00425B36&action=openDocument>

Table B-6b: PM_{2.5} - Annual Average Data ⁽¹⁾

Site	2021	2022	2023	Design Value ⁽¹⁾	% NAAQS
Omaha MSA & Montgomery Co., IA ⁽⁴⁾					
Omaha NCore ⁽²⁾	7.5	5.9	7.8	7.1	59%
9225 Berry St.; Omaha	8.5	6.6	9.1	8.1	67%
2912 Coffey Ave., Bellevue	8.8	6.7	8.0	7.8	65%
2242 Wright St., Blair	7.9	4.4	7.6	6.6	55%
3130 C Ave., Council Bluffs, IA ⁽³⁾	8.9	7.5	9.7	8.7	73%
Montgomery Co., IA (outside Omaha MSA) ⁽³⁾⁽⁴⁾	7.4	6.1	8.1	7.2	60%
Lincoln MSA					
3140 N Street, Lincoln	7.1	6.0	8.5	7.2	60%
Sioux City MSA					
901 Floyd Blvd, Sioux City, IA ⁽³⁾	9.1	7.0	9.7	8.6	72%
1005 N Crawford Rd., Clay Co., SD ⁽⁵⁾		6.0	8.7		
Other Nebraska Sites					
Beatrice ⁽⁶⁾	11.0	5.3	7.2	7.8	65%
Grand Island	7.4	5.7	7.5	6.9	57%
Scottsbluff	5.0	3.2	5.4	4.5	38%
Notes and Explanations: (1) EPA AQS data retrieval 3/31/23. The Design Values are the 3-year average of the annual average values. To determine attainment status, the Design Values are compared to the 12 µg/m ³ NAAQS. Concentrations are in units of µg/m ³ . Annual values and Design Values that do not meet completeness requirements are shown in red; ND = No data. (2) Omaha NCore is a multi-pollutant monitoring site located at 4102 Woolworth Street. (3) The Council Bluffs, Montgomery Co., and Sioux City IA sites are operated by the IA DNR (4) The Montgomery County, IA site is located outside the Omaha MSA at Viking Lake State Park, ~18 miles east of the Mills-Montgomery County line and ~45 miles SE of the I-29/I-80 intersection. (5) A Union Co., SD site was operated in the Sioux City MSA by the South Dakota Department of Agriculture & Natural Resources and closed in October 2021. In 2022 the site was relocated to Clay County, 10 miles from the Union Co. site and just outside the Sioux City MSA. (6) The Beatrice site is located at Homestead National Historical Park, 3 miles west of town. Monitoring at the site began in 2021.					