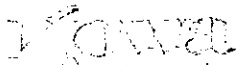


Iowa State Implementation Plan Revisions To Control Air Pollution

NONATTAINMENT DESIGNATIONS



department of water, air and waste management

Henry A. Wallace Building
Des Moines, Iowa 50319

Designation of Iowa Nonattainment Areas

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Appendix A Rule Containing Criteria for Revising Nonattainment Area Designations

Introduction

Section 107 of the Clean Air Act requires that the United States Environmental Protection Agency (EPA), after consultation with the states, designate areas on the basis of whether those areas are exceeding the national air quality standards, are attaining the national standards or are unclassifiable because of insufficient data.

Consistent with the Clean Air Act, the Iowa Department of Environmental Quality has recommended to EPA areas of the state to be designated as either attainment, nonattainment, or unclassifiable for each of the criteria pollutants: suspended particulate, sulfur dioxide, carbon monoxide, ozone, and nitrogen dioxide.

The EPA designations for each of the criteria pollutants are listed in Tables 1.1 through 1.5 and summarized on the map of Iowa in Figure 1.6. The designations represent EPA designations through March 6, 1980.

Sections Two, Three, and Four contain maps and descriptions of the areas exceeding the primary and secondary national standards for total suspended particulates (TSP), carbon monoxide, and ozone, respectively.

A copy of the State Implementation Plan (SIP) for each of the nonattainment areas is available from the Records Section, (515) 281-8895, upon request.

1. Classification of Air Quality Control Regions

This section contains a listing of the counties and cities located in Iowa's air quality control regions and their classification as either attainment, nonattainment, or unclassified with respect to the National Ambient Air Quality Standards.

Figure 1.6 summarizes the nonattainment classifications for the State of Iowa. The symbols represent the approximate location only, the size and shape of the nonattainment areas are described elsewhere in the text.

Table 1.1

Classification of Regions Pursuant to Section 107
of the 1977 Clean Air Act Amendments
Suspended Particulates

<u>Designated Area</u>	<u>Primary Std. Exceeded Section (d)(1)(B)</u>	<u>Secondary Std. Exceeded Section (d)(1)(C)</u>	<u>Unclassifiable or Attainment Section (d)(1)(D)</u>
Adair County			X
Adams County			X
Allamakee County			X
Appanoose County			X
Audubon County			X
Benton County			X
Black Hawk County			
City of Waterloo (partial)		X	
All remaining areas			X
Boone County			X
Bremer County			X
Buchanan County			X
Buena Vista County			X
Butler County			X
Calhoun County			X
Carroll County			X
Cass County			X
Cedar County			X
Cerro Gordo County			
City of Mason City (partial)	X		
City of Mason City (partial)		X	
All remaining areas			X
Cherokee County			X
Chickasaw County			X
Clarke County			X
Clay County			X
Clayton county			X
Clinton County			
City of Clinton (partial)		X	
All remaining areas			X
Crawford County			X
Dallas County			X
Davis county			X
Decatur County			X
Delaware County			X
Des Moines County			X
Dickinson County			X
Dubuque County			X
Emmet County			X
Fayette County			X
Floyd County			X
Franklin County			X
Fremont County			X
Greene County			X
Grundy County			X

Table 1.1
(Continued)

Designated Area	Primary Std. Exceeded Section (d)(1)(B)	Secondary Std. Exceeded Section (d)(1)(C)	Unclassifiable or Attainment Section (d)(1)(D)
Guthrie County			x
Hamilton County			x
Hancock County			x
Hardin County			x
Harrison County			x
Henry County			x
Howard County			x
Humboldt County			x
Ida County			x
Iowa County			x
Jackson County			x
Jasper County			x
Jefferson County			x
Johnson County			x
Jones County			x
Keokuk County			x
Kossuth County			x
Lee County			
City of Keokuk (partial)		x	
All other areas			x
Linn County			
City of Cedar Rapids (partial)	x		
City of Cedar Rapids (partial)		x	
All other areas			x
Louisa County			x
Lucas County			x
Lyon County			x
Madison County			x
Mahaska County			x
Marion County			x
Marshall County			
City of Marshalltown (partial)		x	
All other areas			x
Mills County			x
Mitchell County			x
Monona County			x
Monroe County			x
Montgomery County			x
Muscatine County			
City of Muscatine (partial)		x	
All other areas			x
O'Brien County			x
Osceola County			x
Page County			x
Palo Alto County			x
Plymouth County			x
Pocahontas County			x
Polk County			

Table 1.1
(Continued)

Designated Area	Primary Std. Exceeded Section (d)(1)(B)	Secondary Std. Exceeded Section (d)(1)(C)	Unclassifiable or Attainment Section (d)(1)(D)
City of Ankeny (partial)	x		
City of Des Moines (partial)	x		
City of Des Moines (partial)		x	
City of Urbandale (partial)		x	
City of West Des Moines (partial)	x		
City of West Des Moines (partial)		x	
City of Windsor Heights		x	
All remaining areas			x
Pottawattamie County			
City of Carter Lake		x	
City of Council Bluffs (partial)		x	
All remaining areas			x
Poweshiek County			x
Ringgold County			x
Sac County			x
Scott County			
Bluegrass township (partial)		x	
Buffalo township (partial)		x	
City of Davenport (partial)	x		
City of Davenport (partial)		x	
City of Bettendorf		x	
City of Riverdale		x	
Pleasant Valley township (partial)		x	
All remaining areas			x
Shelby County			x
Sioux County			x
Story County			
Tama County			x
Taylor County			x
Union County			x
Van Buren County			x
Wapello County			x
Warren County			x
Washington County			x
Wayne County			x
Webster County			
City of Fort Dodge (partial)		x	
Pleasant Valley township (partial)		x	
Cooper township (partial)		x	
All remaining areas			x
Winnebago County			x
Winneshiek County			x
Woodbury County			
City of Sioux City		x	
All other areas			x
Worth County			x
Wright County			x

Table 1.2

Classification of Regions Pursuant to Section 107
of the 1977 Clean Air Act Amendments
Sulfur Dioxide

<u>Designated Area</u>	<u>Primary Std. Exceeded Section (d)(1)(B)</u>	<u>Secondary Std. Exceeded Section (d)(1)(C)</u>	<u>Unclassifiable or Attainment Section (d)(1)(E)</u>
Dubuque County			
Julien township	x		
All other areas			x
All remaining counties			x

Table 1.3

Classification of Regions Pursuant to Section 107
of the 1977 Clean Air Act Amendments
Carbon Monoxide

<u>Designated Area</u>	<u>Primary Std. Exceeded Section (d)(1)(B)</u>	<u>Unclassifiable Section (d)(1)(E)</u>	<u>Attainment Section (d)(1)(E)</u>
Linn County			
Rapids township		x	
All remaining townships			
Polk County			
Des Moines township	x		
Lee township	x		
All remaining townships			x
Scott County			
Davenport City township		x	
All remaining townships			x
All remaining counties			x

Table 1.4

Classification of Regions Pursuant to Section 107
of the 1977 Clean Air Act Amendments
Ozone

<u>Designated Area</u>	<u>Primary Std. Exceeded Section (d)(1)(B)</u>	<u>Unclassifiable Section (d)(1)(E)</u>	<u>Attainment Section (d)(1)(E)</u>
Buchanan County		X	
Delaware County		X	
Jones County		X	
Linn County	X		
Scott County		X	
All remaining counties			X

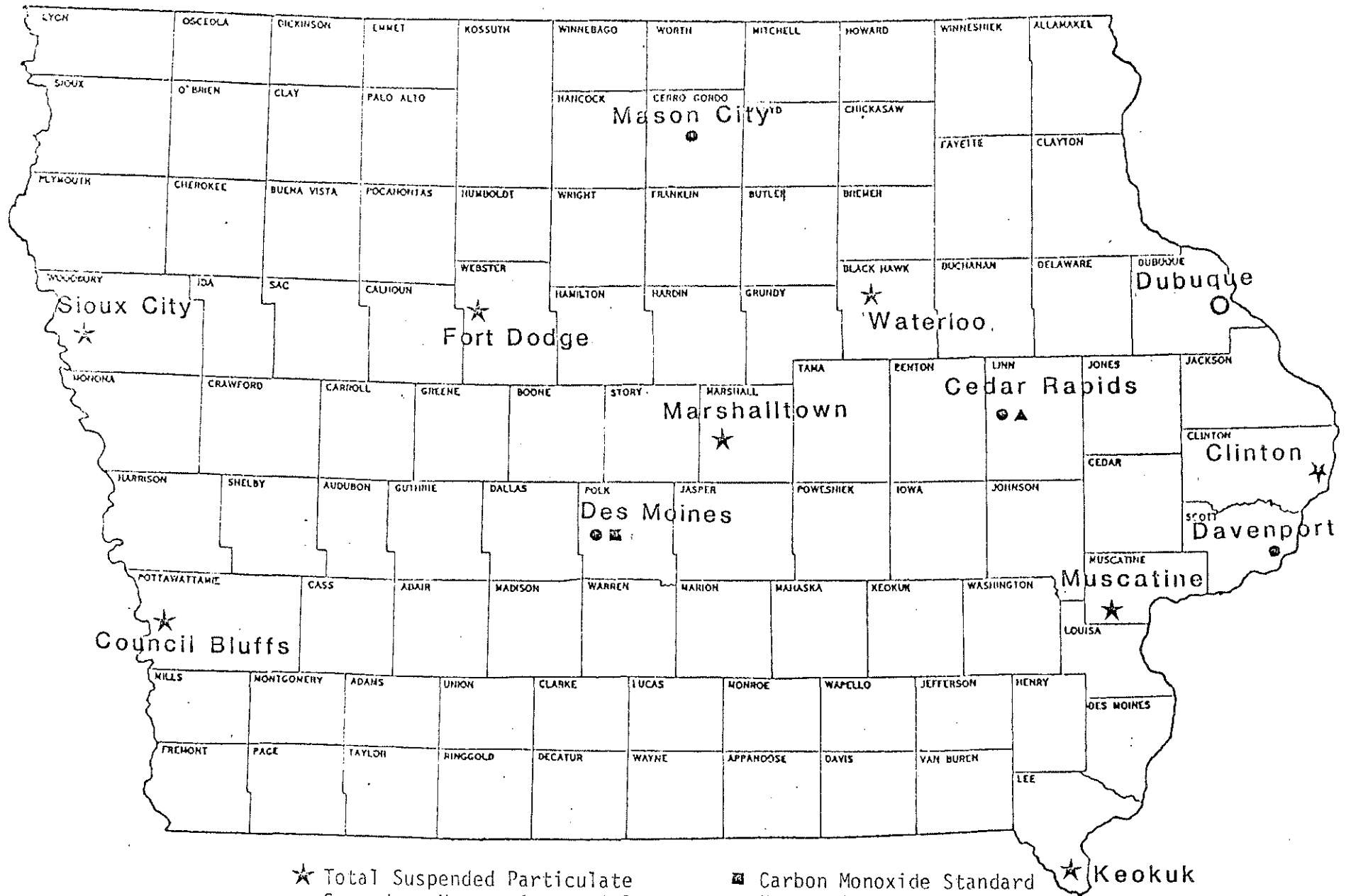
Table 1.5

Classification of Regions Pursuant to Section 107
of the 1977 Clean Air Act Amendments
Nitrogen Dioxide

<u>Designated Area</u>	<u>Primary Std. Exceeded Section (d)(1)(B)</u>	<u>Unclassifiable Section (d)(1)(E)</u>	<u>Attainment Section (d)(1)(E)</u>
Clinton County			
Clinton township		x.	
All remaining townships			x
Lee County			
Jefferson township		x	
Madison township		x	
All remaining townships			x
Woodbury County			
Liberty township		x	
All remaining townships			x
All remaining areas			x

Figure 1.6

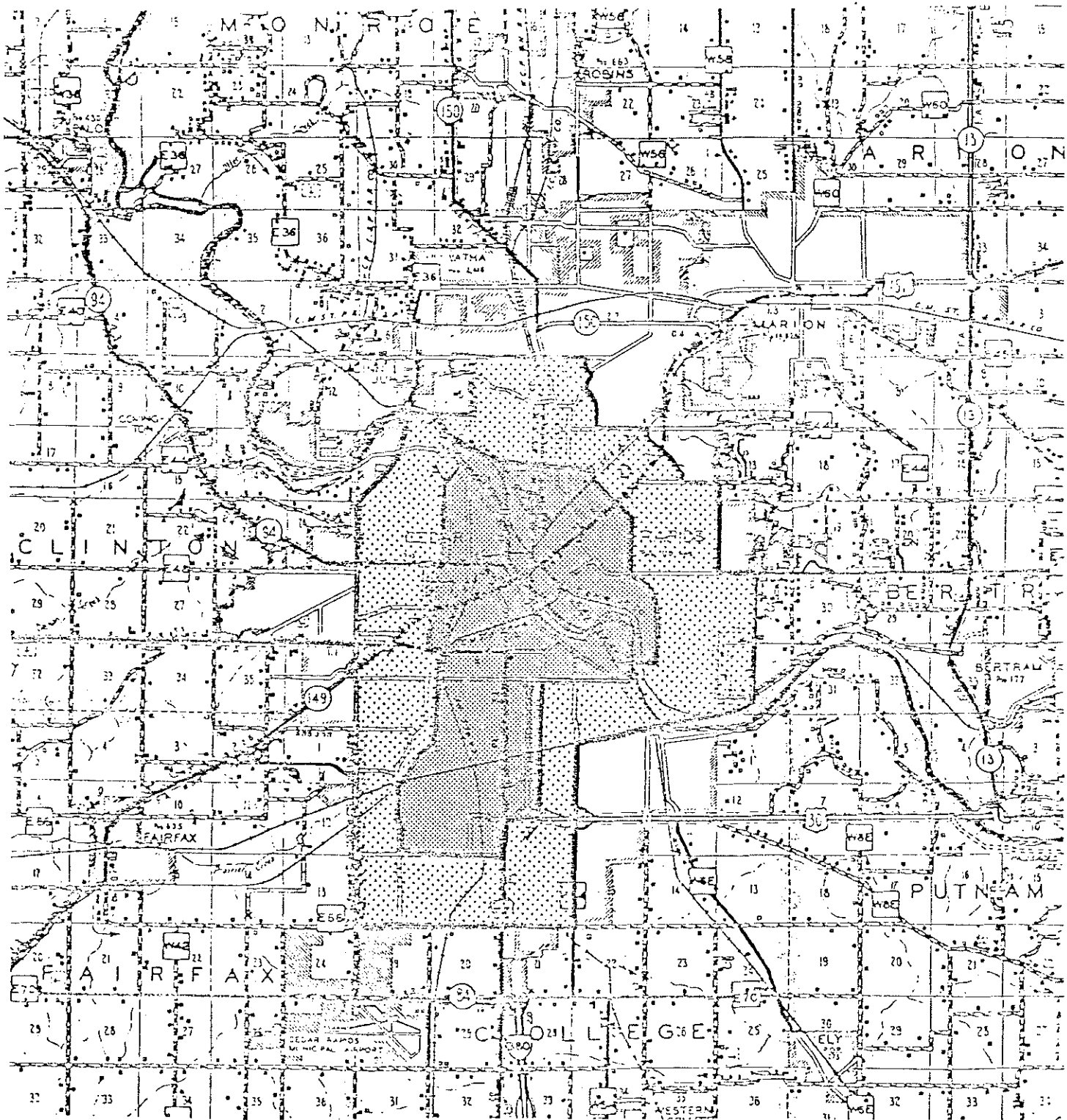
IOWA NON-ATTAINMENT DESIGNATIONS



2. Iowa's Nonattainment Areas - Particulates

This section contains the classifications, maps, and descriptions of the designated nonattainment areas for total suspended particulates.

2.1 TSP Nonattainment Designations for the Cedar Rapids Area



Primary Standard Nonattainment Area



Secondary Standard Nonattainment Area

Cedar Rapids Primary Nonattainment

The Cedar Rapids primary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Linn County, Iowa: Sections 4, 5, 6, 7, 8 and 9 of T82N R7W and Sections 15, 16, 17, 18, 19, 20, 21, 22, 26, 27, 28, 29, 32, 33, 34 and 35 of T83N R7W.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of J Avenue and 17th Street* in the city of Cedar Rapids, Iowa; thence south on 17th Street to Blake Blvd.; thence east on Blake Blvd. to 19th Street; thence south on 19th Street to Mt. Vernon Road; thence east on Mt. Vernon Road to 21st Street; thence south on 21st Street to McCarthy Road; thence east on McCarthy Road to Memorial Drive; thence south on Memorial Drive to Otis Road, thence west on Otis Road to Blakely Blvd.; thence south on Blakely Blvd. to 23rd Avenue; thence west on a line connecting 23rd Avenue and Wilson Avenue to Wilson Avenue; thence west on Wilson Avenue to J Street; thence south on J Street to U.S. 30; thence west on U.S. 30 to U.S. 218; thence south on U.S. 218 to 60th Avenue S.W.; thence west on 60th Avenue S.W. to 26th Street S.W.; thence north on 26th Street S.W. to the Chicago and Northwestern railroad tracks; thence north on the Chicago and Northwestern railroad tracks to 16th Avenue; thence west on 16th Avenue to 18th Street; thence north on 18th Street to Belmont Pkwy; thence north along a line from 18th Street to O Avenue; thence west on O Avenue to 20th Street; thence north on 20th Street to Zika Avenue; thence east on Zika Avenue to 16th Street; thence north on 16th Street to Ellis Blvd.; thence south on Ellis Blvd. to a line extending from J Avenue across the Cedar River; thence north and east along that line to J Avenue; thence east on J Avenue to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the street or railroad tracks.

Cedar Rapids Secondary Nonattainment

The Cedar Rapids Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Linn County, Iowa: Sections 2, 3, 4, 5, 6, 7, 9, 16, 17 and 18 of T82N R7W and Sections 7, 8, 9, 10, 14, 15, 16, 17, 18, 19, 22, 23, 25, 26, 29, 30, 31, 32, 33, 34, 35 and 36 of T83N R7W.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of 42nd Street* and Council Street in Cedar Rapids, Iowa; thence south on Council Street to Hollywood Blvd.; thence east on Hollywood Blvd. to Oakland Road; thence north on Oakland Road to Houston Street; thence south on Houston Street to 35th Street; thence east on 35th Street to Praire Drive; thence south on Praire Drive to 32nd Street; thence east on 32nd Street to Lindale Avenue; thence south on Lindale Avenue to 27th Street; thence east on 27th Street to Country Club Pky; thence south on Country Club Pky to Cottage Grove Avenue; thence east on Cottage Grove Avenue to 34th Street; thence south on 34th Street to Mt. Vernon Road; thence east on Mt. Vernon Road to 42nd Street; thence south on 42nd Street and a line extending from 42nd Street to the Chicago and Northwestern railroad track; thence west on the Chicago and Northwestern railroad tracks to Bowling Street; thence south on Bowling Street to 76th Avenue S.W.; thence west on 76th Avenue S.W. to the southwest corner of Section 18 of T82N R7W; thence north on the section line to Edgewood Road; thence north on Edgewood Road to the Cedar River; thence east on the Cedar River to the north section line of Section 17 of T83N R7W; thence east on the section line to the Cedar Rapids Corporate Boundary line; thence north along the Cedar Rapids Corporate Boundary line to 42nd Street; thence east on 42nd Street to the point of beginning.

* Road and railroad track boundaries refer to the centerline of the road or railroad tracks.

2.2 TSP Nonattainment Designation for the Clinton Area



Secondary Standard Nonattainment Area

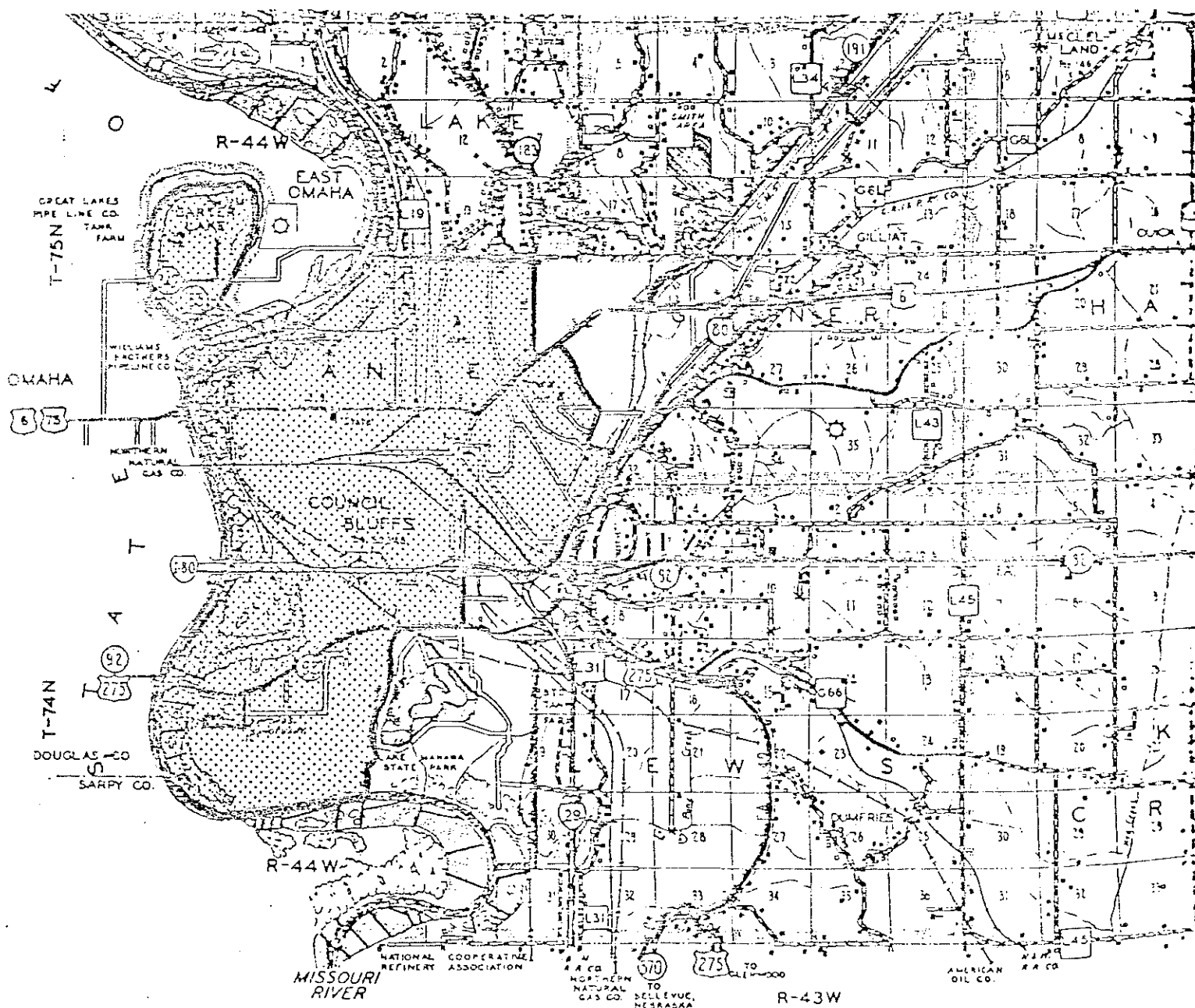
Clinton Secondary Nonattainment

The Clinton, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Clinton County, Iowa: Sections 7 and 18 of T81N R7E and Sections 1, 11, 12, 13, 14, 23 and 24 of T81N R6E.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of U.S. 30* and the Mississippi River in the city of Clinton, Iowa; thence west on U.S. 30 to South 4th Street; thence north on South 4th Street to 2nd Avenue South; thence west on 2nd Avenue South to South 6th Street; thence north on South 6th Street to North Bluff Blvd.; thence south and west on North Bluff Blvd. to Ike's Peak Road; thence north and west on Ike's Peak Road to 4th Avenue North; thence west on 4th Avenue to North 11th Street; thence south on North 11th Street to Second Avenue Road; thence west on Second Avenue Road to South 14th Street; thence south on South 14th Street to South Bluff Blvd.; thence south and west on South Bluff Blvd. to South 19th Street; thence south on South 19th Street to the Chicago Northwestern railroad track; thence south and west on the Chicago and Northwestern railroad track to the west city of Clinton corporate boundary; thence south on the corporate boundary to Beaver Slough; thence north and east on Beaver Slough to the confluence of Beaver Slough and the Mississippi River; thence north on the Mississippi River to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the street or railroad track.

2.3 TSP Nonattainment Designation for the Council Bluffs Area



Secondary Standard Nonattainment Area

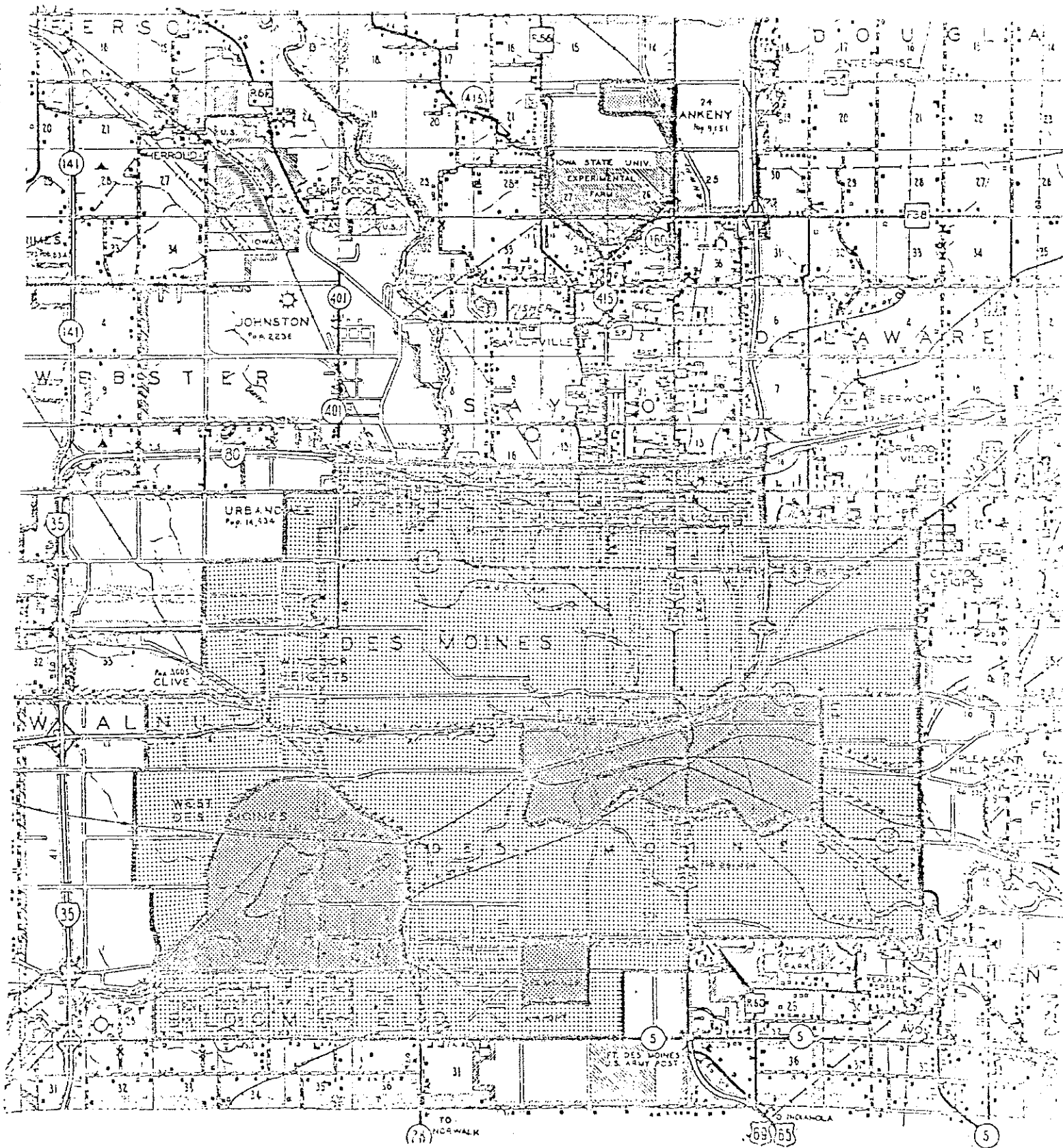
Council Bluffs Secondary

The Council Bluffs, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Pottawattamie County, Iowa: Sections 19, 29, 30, 31 and 32 of T75N R43W; Sections 5, 6 and 7 of T74N R43W; Sections 1, 2, 3, 4, 9, 10, 11, 12, 14, 15, 16, 21, 22, 23, 27 and 28 of T74N R44W; Sections 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35 and 36 of T75N R44W; Sections 11, 12, 13 and 14 of T14N R13E; Sections 1, 2 and 3 of T15N R13E; and Section 18 of T14N R14E.

The extent of the nonattainment area is contained within the area described as follows: an area commencing at the intersection of N. Broadway Street and U.S. 6* in the City of Council Bluffs, Iowa; thence east on U.S. 6 to McPherson Avenue; thence south on McPherson Avenue to Bennett Avenue; thence south on Bennett Avenue to Franklin Avenue; thence east on Franklin Avenue to I-80; thence south on I-80 to I-29; thence west on I-29 to Iowa 192; thence south on Iowa 192 to U.S. 275; thence west on U.S. 275 to Indian Creek Ditch; thence south along Indian Creek Ditch to the Missouri River (Iowa state line); thence west and north on the Iowa state boundary (encompassing the community of Carter Lake) to the north boundary of the City of Council Bluffs; thence east along the Council Bluffs boundary to N. Broadway (U.S. 30); thence south on N. Broadway Street to the point of beginning.

* Street and highway boundaries refer to the centerline of the street or highway.

2.4 TSP Nonattainment Designations for the Des Moines Area



Primary Standard Nonattainment Area



Secondary Standard Nonattainment Area

Des Moines Primary Nonattainment

The Des Moines, Iowa primary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Polk County, Iowa: Section 23 of T80N R24W and Sections 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 20, 21, 28 and 29 of T78N R24W; and Sections 10, 11, 12, 13, 14, 15, 16, 21, 22, 23 and 24 of T78N R25W.

The extent of the primary standard nonattainment area is contained within four separate areas all within Polk County. The first nonattainment area is contained within the area described as follows: An area commencing at the northeast corner of Section 23 of T80N R24W; thence west on the section line to the northwest corner of Section 23 of T80N R24W; thence south on the section line to Ordinance Road; thence east on Ordinance Road to the Chicago and Northwestern railroad tracks; thence south on the Chicago and Northwestern railroad tracks to the east section line of Section 23 of T80N R24W; thence north on the section line to the point of beginning.

The extent of the second primary standard nonattainment area is contained within an area described as follows: An area commencing at the intersection of East Wabous and S.W. 9th Street* in the city of Des Moines, Iowa; thence west on East Wabous to Fleur Drive; thence south on Fleur Drive to Porter Street; thence east on Porter Street to S.W. 9th Street; thence north on S.W. 9th Street to the point of beginning.

The extent of the third primary standard nonattainment area is contained within an area described as follows: An area commencing at the intersection of East

University Avenue and East 30th Street* in the city of Des Moines, Iowa; thence west on University Avenue to I-235; thence west on I-235 to 19th Street; thence south on 19th Street to Ingersoll Avenue; thence east on Ingersoll Avenue to Fleur Drive; thence south on Fleur Drive to the Raccoon River; thence east along the Raccoon River to the confluence of the Raccoon and Des Moines Rivers; thence east along the Des Moines River to the southeast corner of Section 12 of T78N R24W; thence north on section line to S.E. 30th Street; thence north on S.E. 30th Street to the point of beginning.

The extent of the fourth primary standard nonattainment area is contained within an area described as follows: An area commencing at the intersection of Grand Avenue and the Chicago, Milwaukee, St. Paul and Pacific railroad tracks*; thence south and east on the Chicago, Milwaukee, St. Paul and Pacific railroad tracks to the east section line of Section 13 of T78N R25W; thence south on the section line to the Chicago and Northwestern railroad tracks; thence south on the Chicago and Northwestern railroad tracks to S.W. 48th Avenue; thence west on S.W. 48th Avenue to Cook Road, thence north on Cook Road to the Grand Avenue; thence east and north on Grand Avenue to the point of beginning.

* Street and railroad track boundaries refer to the center line of the street or railroad tracks.

Des Moines Secondary Nonattainment

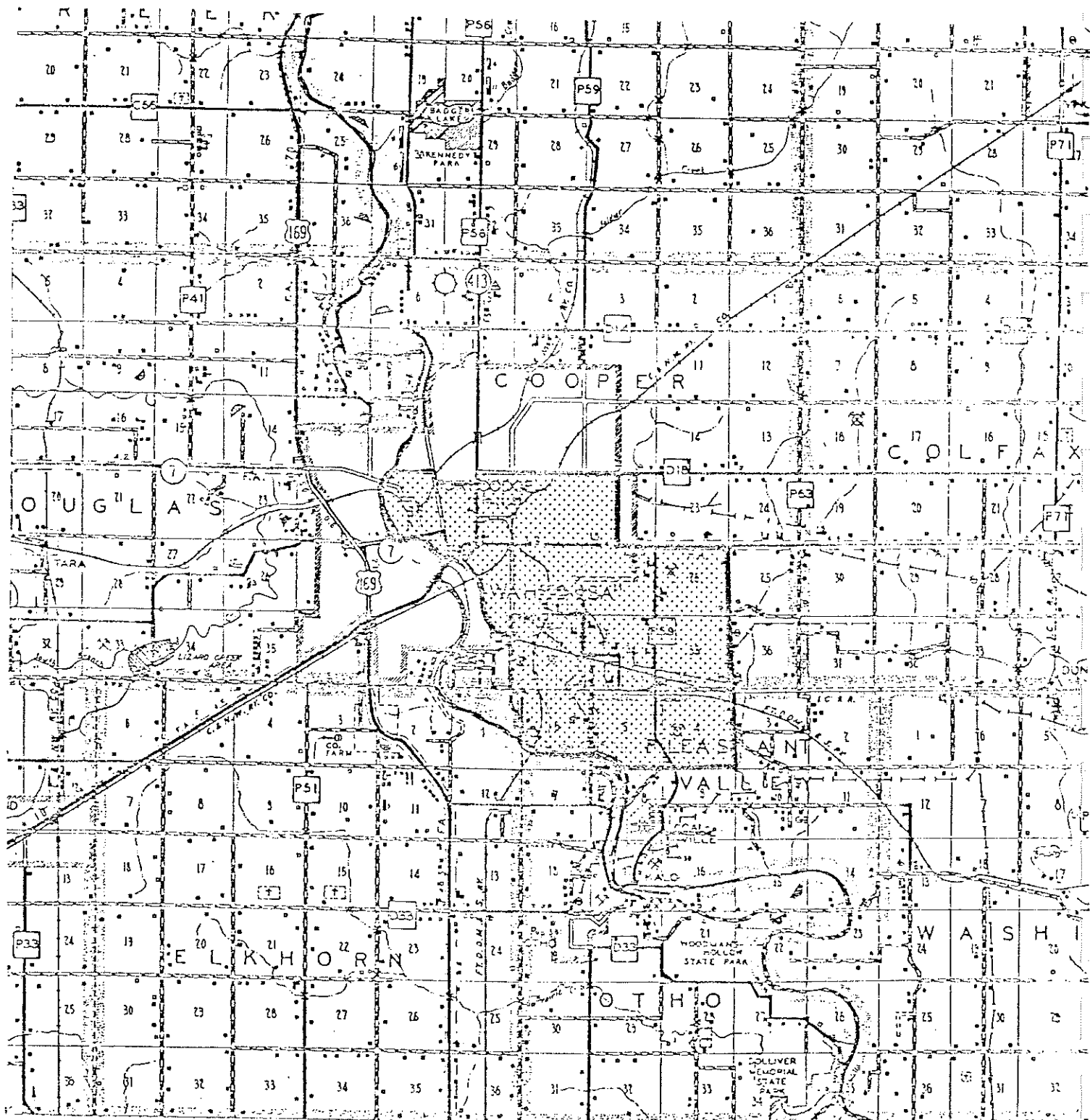
The Des Moines, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Polk County, Iowa; Sections 5, 6, 7, 8, 17, 18, 19 and 20 of T78N R23W; Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 28, 29 and 30 of T78N R24W; Sections 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 16, 17, 21, 24, 25, 26, 27 and 28 of T78N R25W; Sections 18, 19, 20, 21, 28, 29, 30, 31, 32 and 33 of T79N R23W; Sections 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36 of T79N R24W; and Sections 24, 25, 26, 35 and 36 of T79N R25W.

The extent of the secondary standard nonattainment area is contained within the area described as follows: An area commencing at the intersection of S.E. 14th Street and E. Watrous Avenue* in the city of Des Moines, Iowa; thence south on S.E. 14th Street to E. McKinley Avenue, thence west on E. McKinley Avenue to South Union, thence south on South Union to Army Post Road; thence west on Army Post Road to the southwest corner of Section 28 T78N R25W; thence north on the section line to Fuller Road; thence west on Fuller Road to Smith Walnut Bates Road; thence north on Smith Walnut Bates Road to Ashworth Road; thence east on Ashworth Road to 35th Street; then north on 35th Street to N.W. 12th Avenue; thence east on N.W. 12th Avenue to N.W. 86th Street; thence north on N.W. 86th Street to Douglas Avenue; thence east on Douglas Avenue to 70th Street; thence north on 70th Street to N.W. Meredith; thence east on N.W. Meredith to N.W. 53th Street; thence north on N.W. 53th Street to I-80/I-35; thence east on I-80/I-35 to I-235; thence south on I-235 to East Aurora; thence east on East Aurora to

the eastern Des Moines city boundary; thence south on the boundary line to the southern Des Moines city boundary; thence west on the boundary line to the point of beginning.

* Street and road boundaries refer to the centerline of the street or road.

2.5 TSP Nonattainment Designation for the Fort Dodge Area



Secondary Standard Nonattainment Area

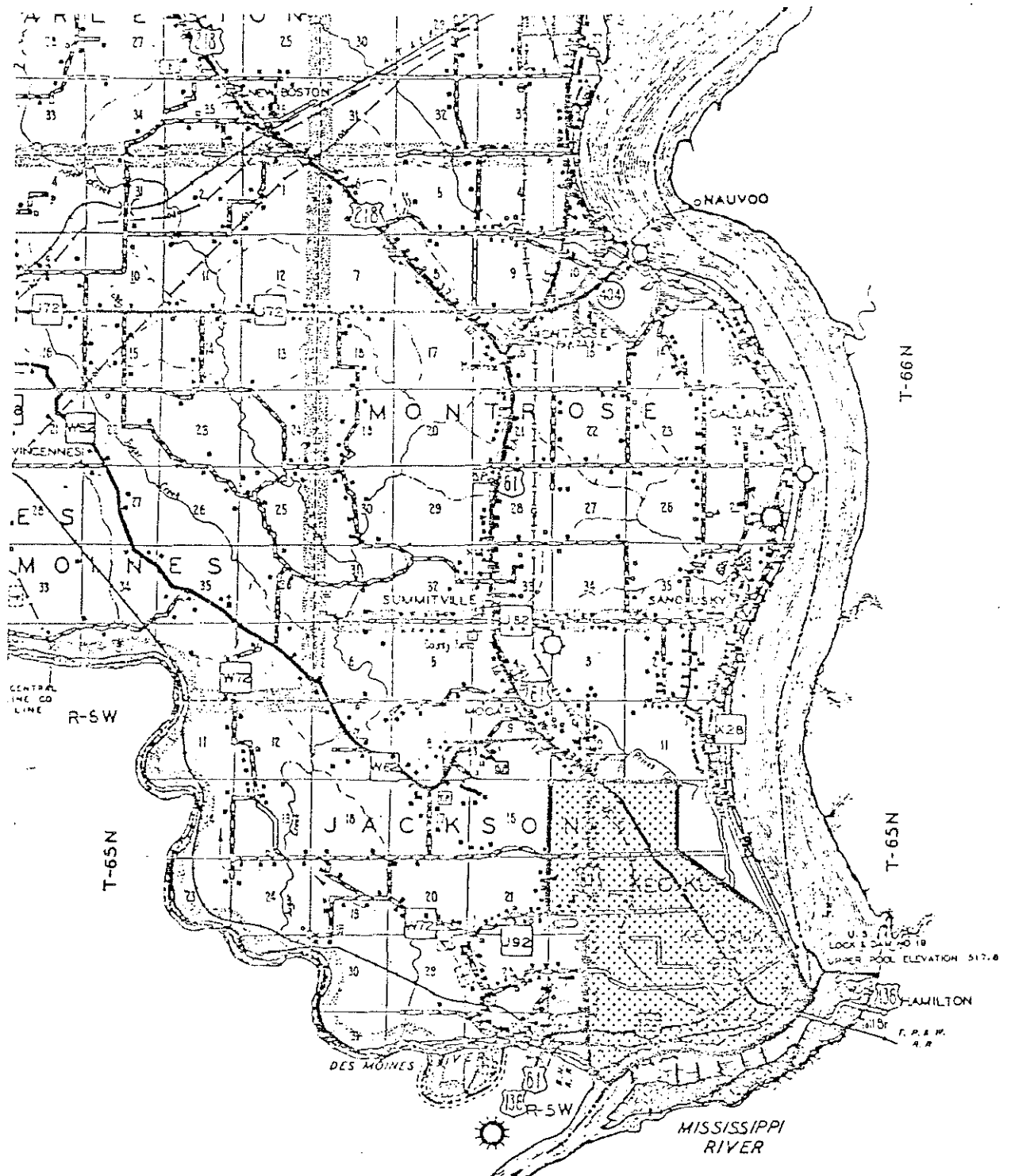
Fort Dodge Secondary Nonattainment

The Fort Dodge, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Webster County, Iowa: Sections 4, 5 and 6 of T88N R28W and Sections 19, 20, 21, 22, 26, 27, 28, 29, 30, 32, 33, 34 and 35 of T89N R28W.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of the south section line of Section 5 of T88N R28W and the Des Moines River; thence north and west along the Des Moines River to the west section line of Section 6 of T88N R28W; thence north on the section line to the south section line of Section 33 of T89N R28W; thence west on the section line to the southwest corner of Section 33 of T89N R28W; thence north on the section line to the Central Illinois railroad tracks; thence north and west on the Central Illinois railroad tracks to the Karl King Viaduct* in the city of Fort Dodge, Iowa; thence west on the Karl King Viaduct to the Des Moines River; thence north on the Des Moines River to a line extending along 10th Avenue North; thence east on that line and 10th Avenue North to 7th Street North; thence south on 7th Street North to 7th Avenue North; thence east 7th Avenue North to 16th Street; thence north on 16th Street to 10th Avenue North; thence east on 10th Avenue North to the Fort Dodge city limits; thence south along the city boundary to U.S. 20; thence east on U.S. 20 to the northeast corner of Section 26 of T89N R28W; thence south on the section line to the north section line of Section 4 of T88N R28W; thence east on the section line to the northeast corner of Section 4 of T88N R28W; thence south on the section line to the southeast corner of Section 4 of T88N R28W; thence west on the section line to the point of beginning.

* Street and railroad boundaries refer to the centerline of the street or railroad track.

2.6 TSP Nonattainment Designation for the Keokuk Area



Secondary Standard Nonattainment Area

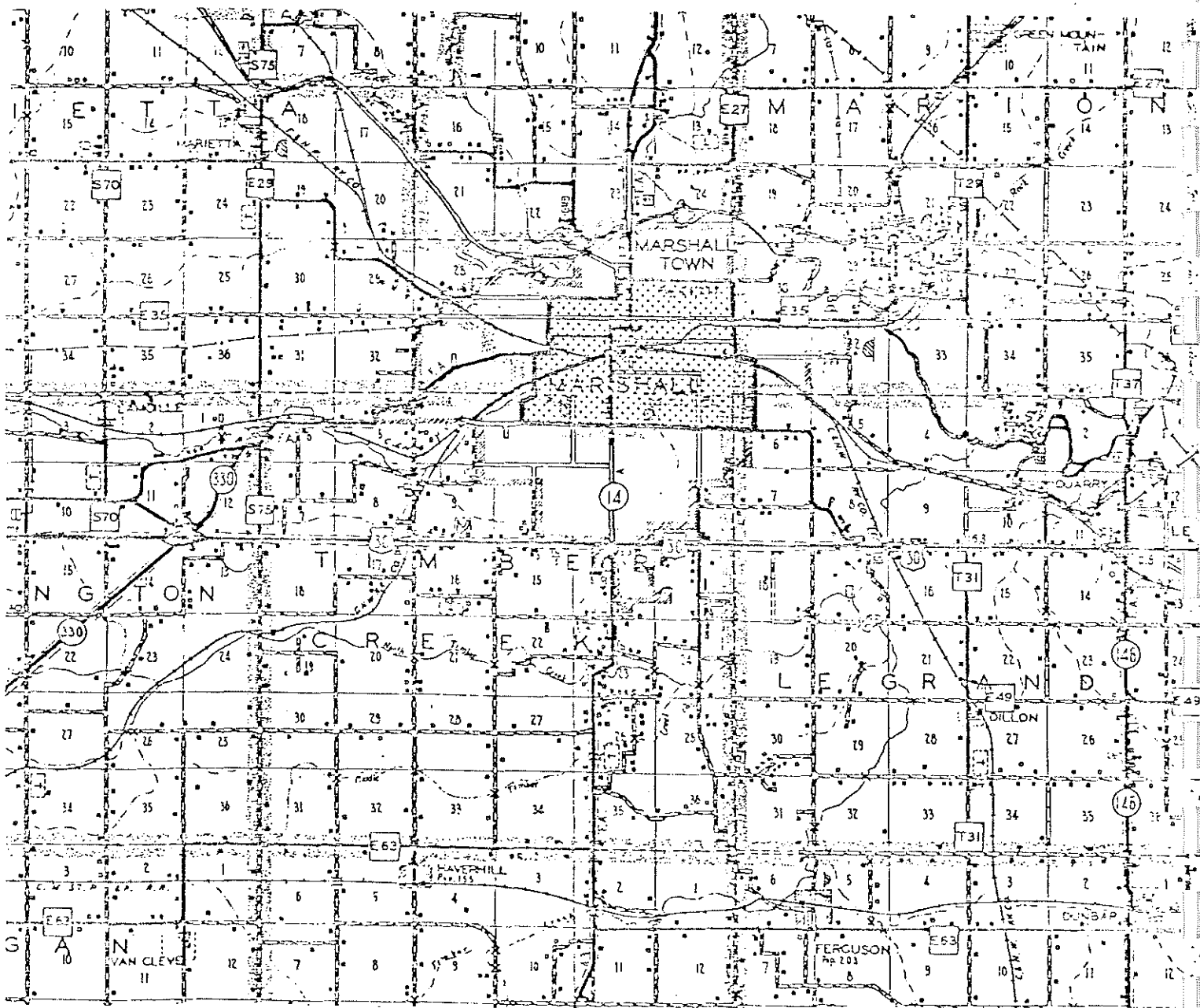
Keokuk Secondary Nonattainment

The Keokuk, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Lee County, Iowa: Sections 30 and 31 of T65N R4W and Sections 14, 15, 22, 23, 24, 25, 26, 27, 34, 35 and 36 of T65N R5W.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of the Des Moines River and Fulton's Creek; thence north on Fulton's Creek to U.S. 136; thence west on U.S. 136 to U.S. 61; thence north on U.S. 61 to Johnson Street; thence west on Johnson Street to the west section line of Section 22 of T65N R5W; thence north on the section line to the northwest corner of Section 15 of T65N R5W; thence east on the section line to the mid-point of Section 14 of T65N R5W; thence south along a line to Old Plank Road*, in the city of Keokuk, Iowa; thence south and east on Old Plank Road to Washington Street; thence east on Washington Street to Orleans Avenue; thence south and east on Orleans Avenue and a line extending along Orleans Avenue to the Mississippi River; thence south and west on the Mississippi River to the confluence of the Mississippi and Des Moines Rivers; thence west on the Des Moines River to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the street or railroad track.

2.7 TSP Nonattainment Designation for the Marshalltown Area



Secondary Standard Nonattainment Area

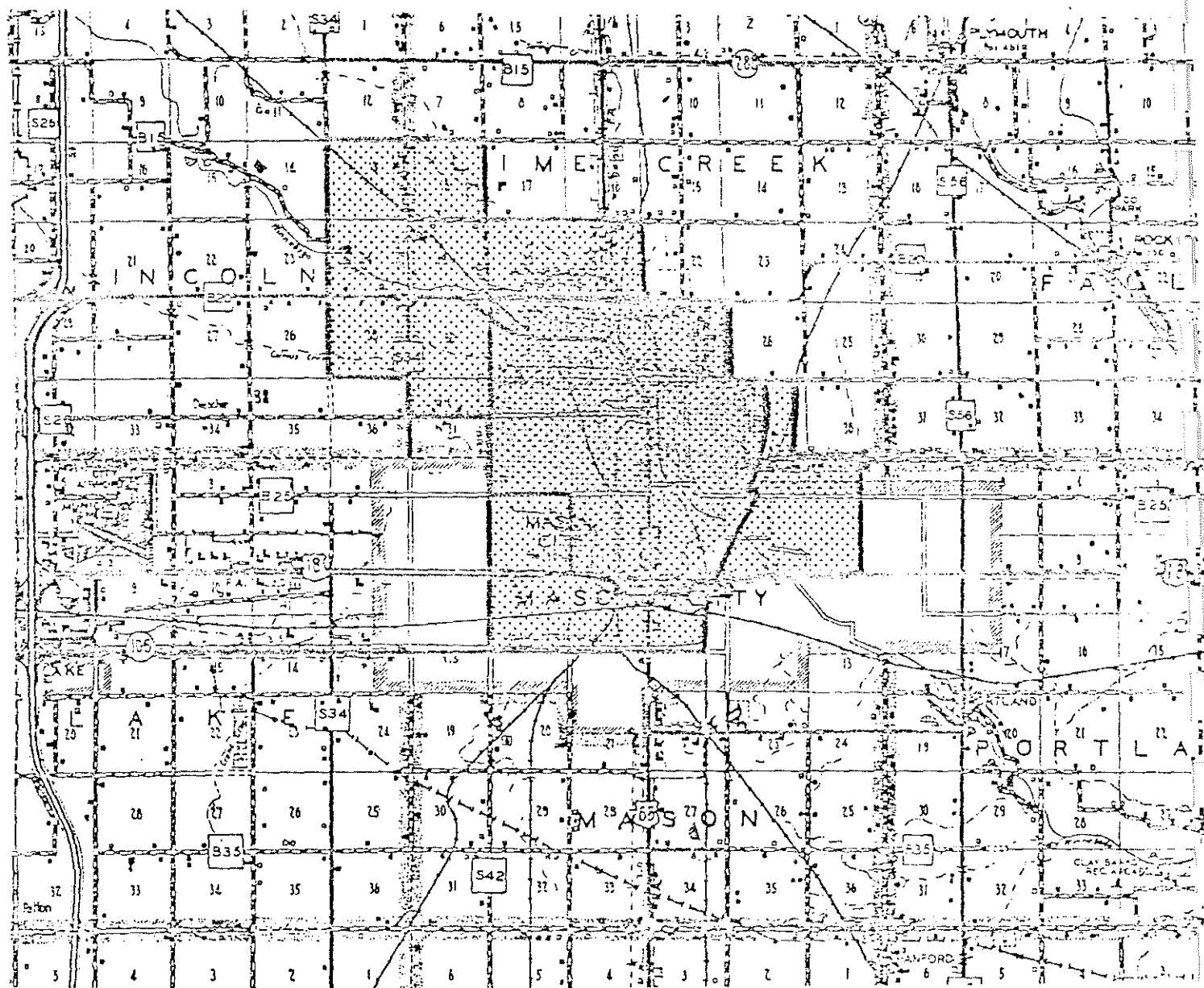
Marshalltown Secondary


The Marshalltown, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Marshall County, Iowa: Sections 1, 2 & 3 of T83N R18W; Sections 25, 26, 27, 34 & 36 of T84N R18W; Section 31 of T84N R17W; and Section 6 of T83N R17W.


The extent of the nonattainment area is contained within the area described as follows: an area commencing at the intersection of South 12th Street and West Olive Street* in the City of Marshalltown, Iowa; thence north on South 12th Street to West Lincoln Way; thence east on West Lincoln Way to South 9th Street; thence north on South 9th Street to Summit Street; thence east on Summit Street to North 2nd Street; thence north on North 2nd Street to West Lincoln Street; thence east on West Lincoln Street to North 2nd Avenue; thence north on North 2nd Avenue to East Marion Street; thence east on East Marion Street to the Marshalltown City limits; thence south along the Marshalltown City Limits to East Main Street; thence south on South 18th Avenue to the Chicago and Northwestern railroad tracks, thence east on the Chicago and Northwestern railroad tracks to Beer Garden Road; thence south on Beer Garden Road to East Olive Street; thence west on East Olive Street to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the road or railroad track.

2.8 TSP Nonattainment Designations for the Mason City Area



 Primary Standard Nonattainment Area

 Secondary Standard Nonattainment Area

Mason City Primary Nonattainment

The Mason City, Iowa primary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Carro Gordo County, Iowa: Sections 27, 28, 29, 32, 33, 34 and 35 of T97N R20W and Sections 2, 3, 4, 5, 9, 10 and 11 of T96N R20W.

The extent of the primary standard nonattainment area is contained within the area described as follows: An area commencing at the intersection of Carolina Avenue and 7th Street S.E.* in the City of Mason City, Iowa; thence west on 7th Street S.E. and 7th Street S.W. to Jefferson Avenue; thence north on Jefferson Avenue to 5th Street S.W. (U.S. 18); thence west on U.S. 18 to Pierce Avenue North; thence north on Pierce Avenue North to 12th Street N.W.; thence west on 12th Street N.W. to the west section line of Section 5 of T96N R20W; thence north on the section line to the north section line of Section 29 T97N R20W; thence east on the section line to the east section line of Section 27 of T97N R20W; thence south on the section line to the north section line of Section 35 T97N R20W; thence east on the section line to Old Plymouth Road; thence south on Old Plymouth Road to the south section line of Section 35 T97N R20W; thence east on the section line to the Chicago, Milwaukee, St. Paul and Pacific railroad tracks; thence south on the Chicago, Milwaukee, St. Paul and Pacific railroad tracks to U.S. 18; thence west on U.S. 18 to Carolina Avenue, thence south on Carolina Avenue to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the road or railroad track.

Mason City Secondary Nonattainment

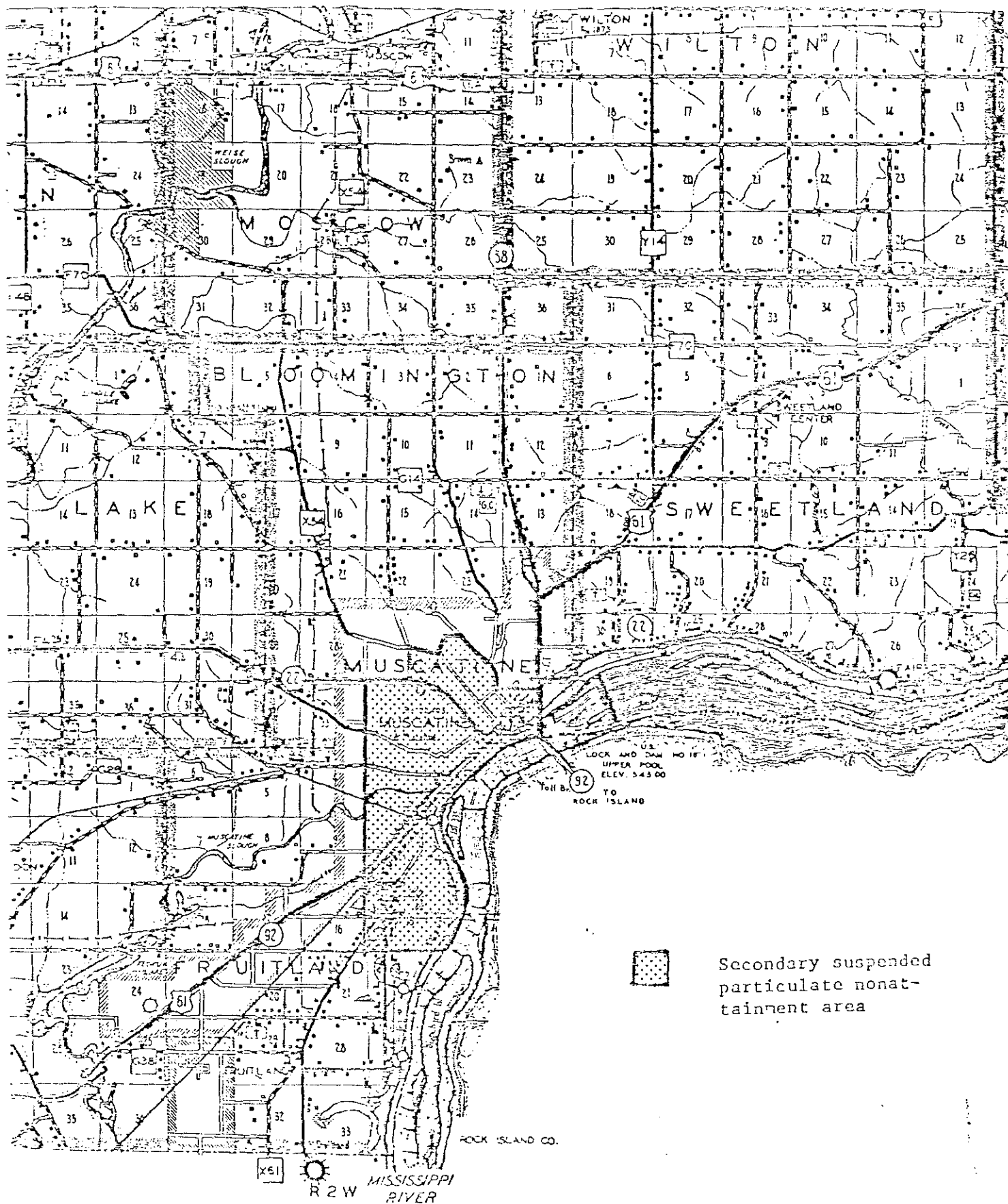
The Mason City, Iowa secondary nonattainment area for suspended particulates consists of two separate areas located entirely in portions of the following sections in Cerro Gordo County, Iowa: Sections 13, 24 and 25 of T97N R21W; Sections 18, 19, 20, 21, 30, 31 and 35 of T97N R20W; and Sections 1, 2, 5, 8, 9, 10, 11, 12, 15, 16 and 17 of T96N R20W.

The extent of the first nonattainment area is contained within the area described as follows: An area commencing at the northeast corner of Section 35 of T97N R20W, Cerro Gordo County, Iowa; thence south on the section line to the northwest corner of Section 1 of T96N R20W; thence east on the section line to the mid-point of Section 1 of T96N R20W; thence south to U.S. Highway 18^{*}; thence west on U.S. 18 to Kentucky Avenue; thence south on Kentucky Avenue to 9th Street S.E.; thence west on 9th Street S.E. to the Minneapolis and St. Louis railroad tracks; thence south on the Minneapolis and St. Louis railroad tracks to 19th Street S.E.; thence west on 19th Street S.E. to the section line between Sections 17 and 18 of T96N R20W; thence north on the section line to 12th Street N.W.; thence east on 12th Street N.W. to North Pierce Avenue; thence south on North Pierce Avenue to U.S. 18; thence east on U.S. 18 to South Jefferson Avenue; thence south on South Jefferson Avenue to 7th Street S.W.; thence east on 7th Street S.W. to Carolina Avenue; thence north on Carolina Avenue to U.S. 18, thence east on U.S. 18 to the Chicago, Milwaukee, St. Paul and Pacific railroad tracks; thence north on the Chicago, Milwaukee, St. Paul and Pacific railroad tracks to the south section line of Section 35 T97N R20W; thence west on the section line to Old Plymouth Road; thence north on Old Plymouth Road to the south section line of Section 26 of T97N R20W; thence east on the section line to the point of beginning.

The extent of the second nonattainment area is contained within the area described as follows: An area commencing at the northeast corner of Section 21 of T97N R20W Cerro Gordo County, Iowa; thence south on the section line to the southeast corner of Section 21, T97N R20W; thence west on the section line to the northeast corner of Section 30 T97N R20W; thence south on the section line to the mid-point of Section 31 T97N R20W; thence west to the east section line of Section 36 T97N R21W; thence north on the section line to the southeast corner of Section 25 T97N R21W, thence west on the section line to the southwest corner of Section 25 T97N R21W; thence north on the section line to the northwest corner of Section 13, T97N R21W; thence east on the section line to the northeast corner of Section 18 of T97N R20W; thence south on the section line to the northeast corner of Section 19 T97N R20W; thence east on the section line to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the street or railroad tracks.

2.9 TSP Nonattainment Designation for the Muscatine Area



Muscatine Secondary Nonattainment

The Muscatine, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Muscatine County, Iowa: Sections 26, 27, 34, 35 and 36 T77N R2W and Sections 2, 3, 10, 11, 14 and 15 of T76N R2W.

The extent of the nonattainment area is contained within the area described as follows: An area commencing at the southwest corner of Section 15 of T76N R2W in Muscatine County; thence north on the section line to Houser Street* in the city of Muscatine, Iowa; thence north on Houser Street to Cedar Street; thence east on Cedar Street to a point on Cedar Street which intersects with a line extended to the south from the intersection of Mulberry Avenue and Tipton Road; thence north on that line to the intersection of Mulberry Avenue and Tipton Road; thence south and east on Mulberry Avenue to Wier Street; thence north and east on Wier Street to Bidwell Road; thence south and east on Bidwell Road to Dale Street; thence east on Dale Street to Walters Street; thence south on Walters Street to Washington Street; thence north and east on Washington Street to Park Avenue; thence south on Park Avenue and a line extending along Park Avenue to the Mississippi River; thence south and west on the Mississippi River to the south section line of Section 14 of T76N R2W; thence west on the section line to the point of beginning.

* Street boundaries refer to the centerline of the street.

[illegible]

Secondary Standard Nonattainment Area

R-33

CAS & ELECTRIC CO.

NATURAL GAS PIPE LINE
OF AMERICA

Quad Cities Primary Nonattainment

The Quad Cities primary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Scott County, Iowa: Sections 19 and 30 of T78N R4E and Sections 22, 23, 24, 25, 26, 27, 34, 35 and 36 of T78N R3E.

The extent of the primary nonattainment area is contained within the area described as follows: An area commencing at the Crescent Railroad Bridge in the city of Davenport, Iowa: thence north and west along the Chicago, Rock Island and Pacific railroad tracks* to W. River Drive; thence east on W. River Drive to Division St.; thence north on Division St. to W. Locust St.; thence east on W. Locust St. to Forest Road; thence south on Forest Road to the Mississippi River; thence west and south along the Mississippi River to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the road or railroad track.

Quad Cities Secondary Nonattainment

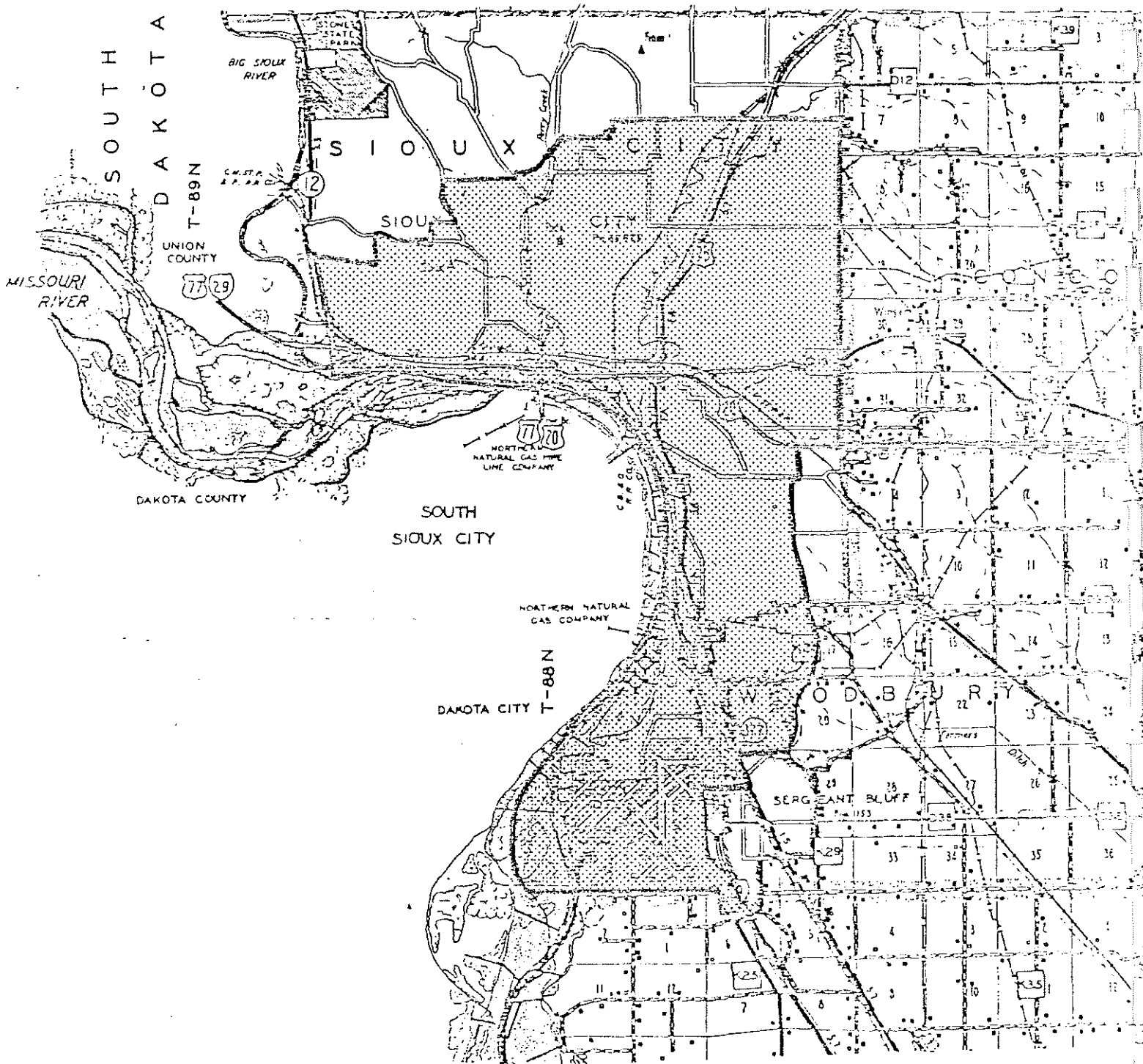
The Quad Cities secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Scott County, Iowa: Sections 1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23 and 24 of T77N R2E; Sections 3, 4, 5, 6, 7, 8, 9, 17, 18 and 19 of T77N R3E; Sections 13, 24, 25, 26, 34, 35 and 36 of T78N R2E; Sections 1, 2, 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33 and 34 of T78N R3E; Sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 34 of T78N R4E; and Sections 34 and 35 of T79N R3E.

The extent of the secondary standard nonattainment area is contained within the area described as follows: An area commencing at the confluence of Crow Creek and the Mississippi River in the city of Bettendorf, Iowa; thence north and west along Crow Creek to Devils Glen Road*; thence north on Devils Glen Road to Forest Grove Drive; thence west on Forest Grove Drive to Utica Ridge Road; thence north on Utica Ridge Road to I-80; thence west on I-80 to Division Street; thence south on Division Street to Northwest Blvd.; thence west on Northwest Blvd. to N. Pine Street; thence south on N. Pine Street to 53rd Street; thence west on 53rd Street to Fairmont Street; thence south on Fairmont Street to U.S. 6; thence west on U.S. 6 to Hickory Grove Road; thence south on Hickory Grove Road to 39th Street; thence west on 39th Street to Wisconsin Avenue; thence south on Wisconsin Avenue to Duck Creek; thence west along Duck Creek to I-280; thence south on I-280 to country road F65; thence west on F65 to the northwest corner of Section 26 of T78N R2E; thence south on the county section line road to the

northeast corner of Section 34 of T78N R2E; thence west on the section line to the county section line road; thence south on the county section line road to U.S. 61; thence west on U.S. 61 to the unnumbered county road located in Section 4 of T77N R2E; thence south on the county road to the north section line of Section 9 of T77N R2E; thence west on the section line to the northeast corner of Section 8 of T77N R2E; thence south on the section line to the Mississippi River; thence east and north on the Mississippi River to the point of beginning.

* Street boundaries refer to the centerline of the street.

2.11. TSP Nonattainment Designation for the Sioux City Area



Secondary Standard Nonattainment Area

Sioux City Secondary Nonattainment

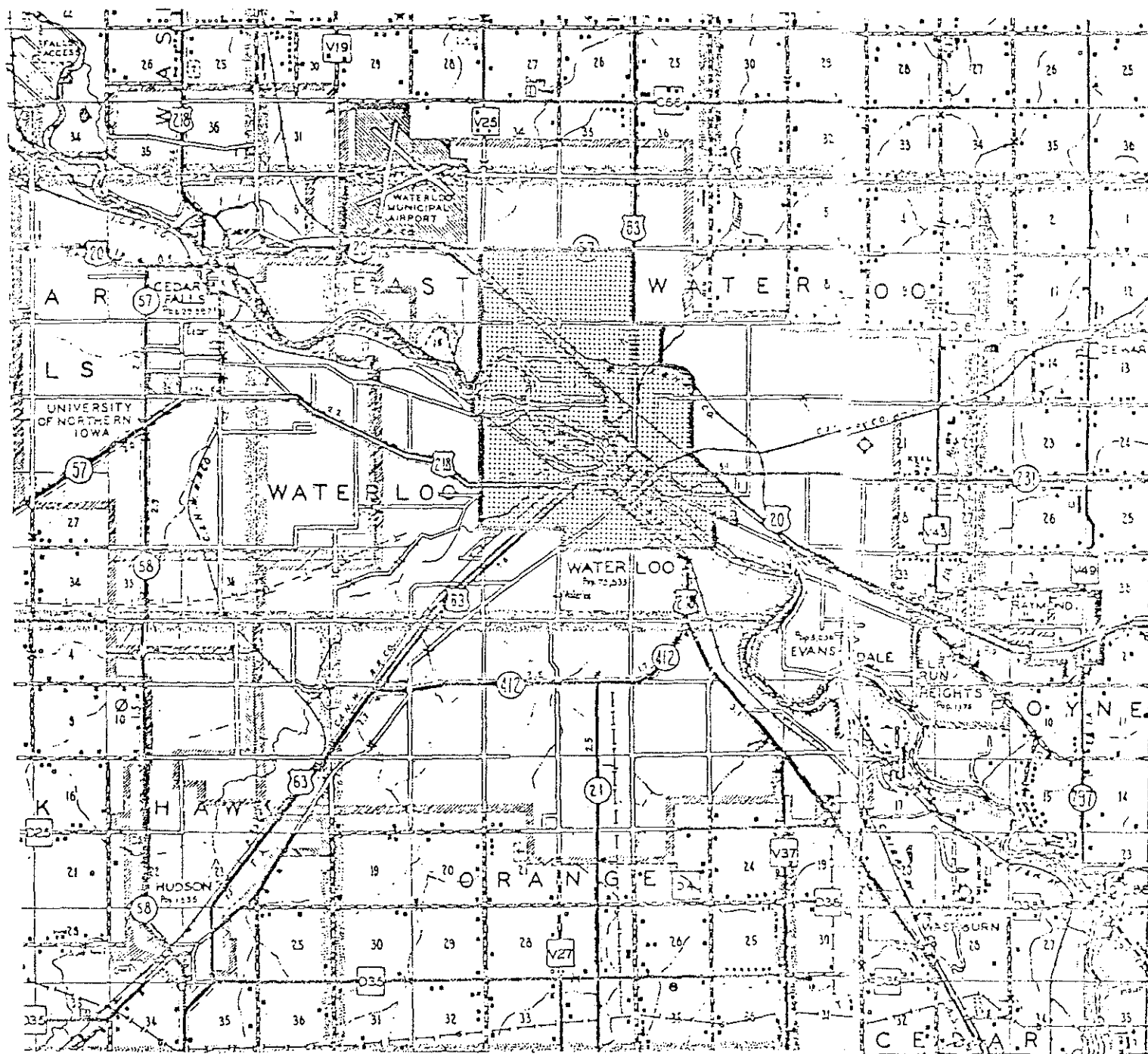
The Sioux City, Iowa secondary standard nonattainment area for suspended particulates is located entirely in portions of the following sections in Woodbury County, Iowa: Sections 13, 23, 24, 25 and 26 of T89N R48W; Sections 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36 of T89N R47W; Sections 5, 6, 7, 8, 17, 18, 19 and 20 of T88N R47W; Sections 1, 12, 13 and 24 of T88N R48W; and Section 10 T29N R9E.

The extent of the Sioux City nonattainment area is contained within the area described as follows: An area commencing at the intersection of Cheyenne Blvd. and 41st Street** in the city of Sioux City, Iowa; thence east on 41st Street to the Sioux City corporate boundary; thence south along the Sioux City corporate boundary to Gordon Drive; thence west on Gordon Drive to South Palmetto Street; thence south on South Palmetto to Morningside Avenue; thence west on Morningside Avenue to South Lakeport St.; thence south on South Lakeport Street to the south section line of Section 20 of T88N R47W; thence west along the section line to the Missouri River; thence north along the Missouri River to the confluence of the Big Sioux River and Missouri River; thence north and west along the Big Sioux River to the west section line of Section 25 of T89N R48W; thence north along the section line to Iowa Highway 12; thence north on Iowa 12 to Paul Avenue; thence east on Paul Avenue to West 23rd Street; thence east on West 23rd Street to Hale Street; thence north on Hale Street to Military Road; thence east on Military Road to Prescott; thence north on Prescott to a line extending west from West 28th Street; thence east along that line and West 28th Street to Talbot Road; thence north on Talbot Road to Plum Creek Road; thence east on

Plum Creek Road to Broken Kettle Road; thence north on Broken Kettle Road to Stone Park Blvd.; thence south on Stone Park Blvd. to Idlewood Street; thence north on Idlewood Street to West 35th Street; thence east on West 35th Street to Lindenwood Street; thence north on Lindenwood Street to Maplewood Avenue; thence east on Maplewood Avenue to Sylvian Ave.; thence east on Sylvian Avenue to 38th St.; thence east on 38th Street to Perry Creek Road; thence north on Perry Creek Road to 39th Street; thence east on 39th Street and east along a line extending from 39th Street to Cheyenne Blvd.; thence north on Cheyenne Blvd. to the point of beginning.

** Street boundaries refer to the center line of the street.

2.12 TSP Nonattainment Designation for the Waterloo Area



Secondary Standard Nonattainment Area

Waterloo Secondary Nonattainment

The Waterloo, Iowa secondary nonattainment area for suspended particulates is located entirely in portions of the following sections in Black Hawk County, Iowa: Sections 19 and 30 of T89N R12W and Sections 10, 11, 13, 14, 15, 22, 23, 24, 25, 26, 27, 34, 35 and 36 of T89N R13W.

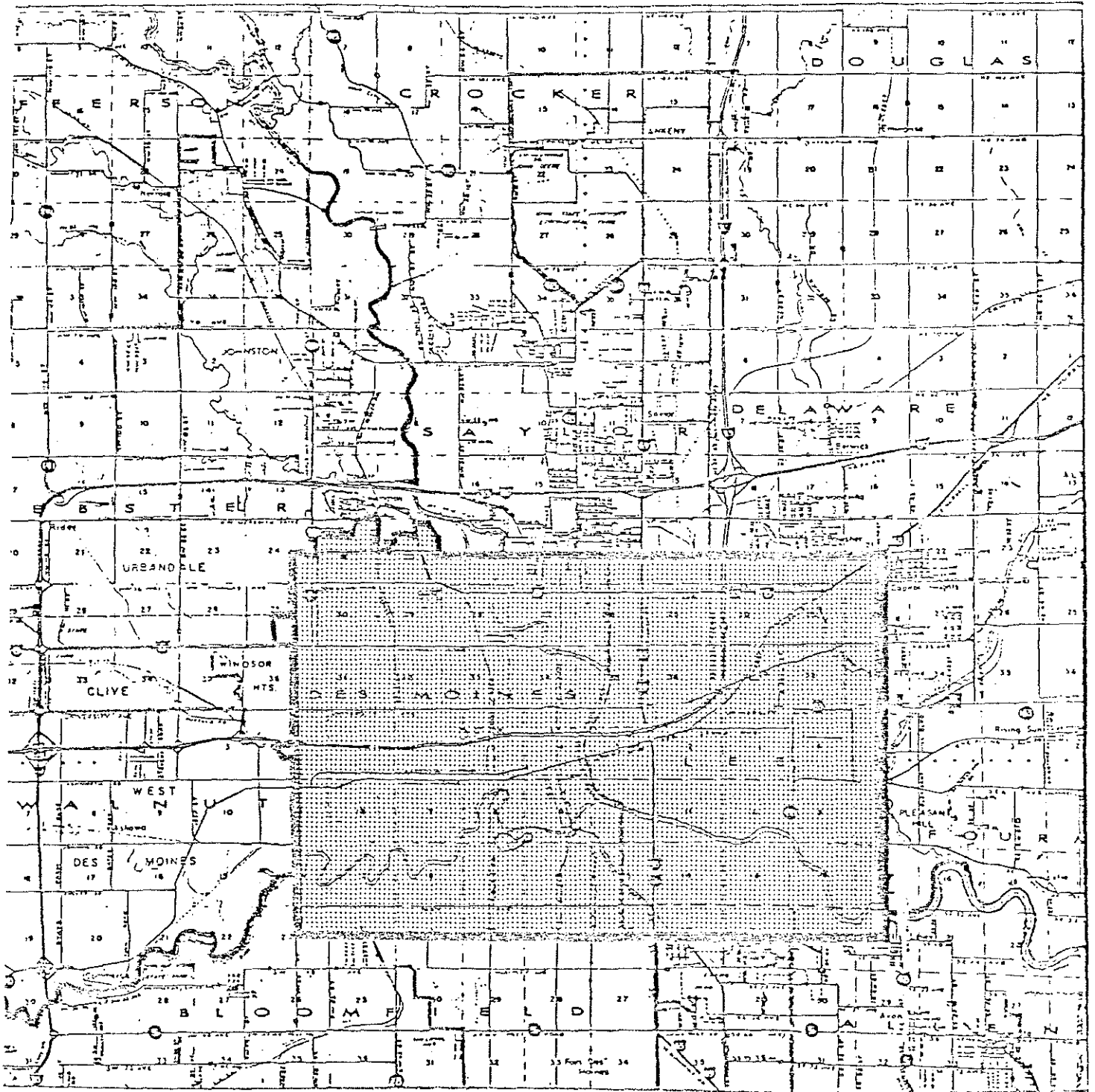
The extent of the nonattainment area is contained within the area described as follows: An area commencing at the intersection of U.S. 63 and Iowa 57* in the city of Waterloo, Iowa; thence west on Iowa 57 to the northwest corner of Section 10 of T89N R13W; thence south on the section line to Campbell Avenue; thence east on Campbell Avenue to Kimball Avenue; thence south on Kimball Avenue to Hawthorne Avenue; thence east on Hawthorne Avenue to the east section line of Section 36 of T89N R13W; thence north on the section line to Lafayette Street; thence south and east on Lafayette Street to Colorado Street; thence north on Colorado Street to the Illinois Central railroad tracks; thence north and west on the Illinois Central railroad tracks to Linden Avenue; thence north on Linden Avenue to the Waterloo railroad tracks; thence north and west on the Waterloo railroad tracks to East Fourth Street; thence north on East Fourth Street to West Donald Street; thence west on West Donald Street to U.S. 63; thence north on U.S. 63 to the point of beginning.

* Street and railroad track boundaries refer to the centerline of the street or railroad track.

3. Iowa Nonattainment Areas - Carbon Monoxide

The specific areas in Iowa that are designated nonattainment for carbon monoxide are outlined on the maps contained in this section.

3.1 Carbon Monoxide Nonattainment Designation for the Des Moines Area

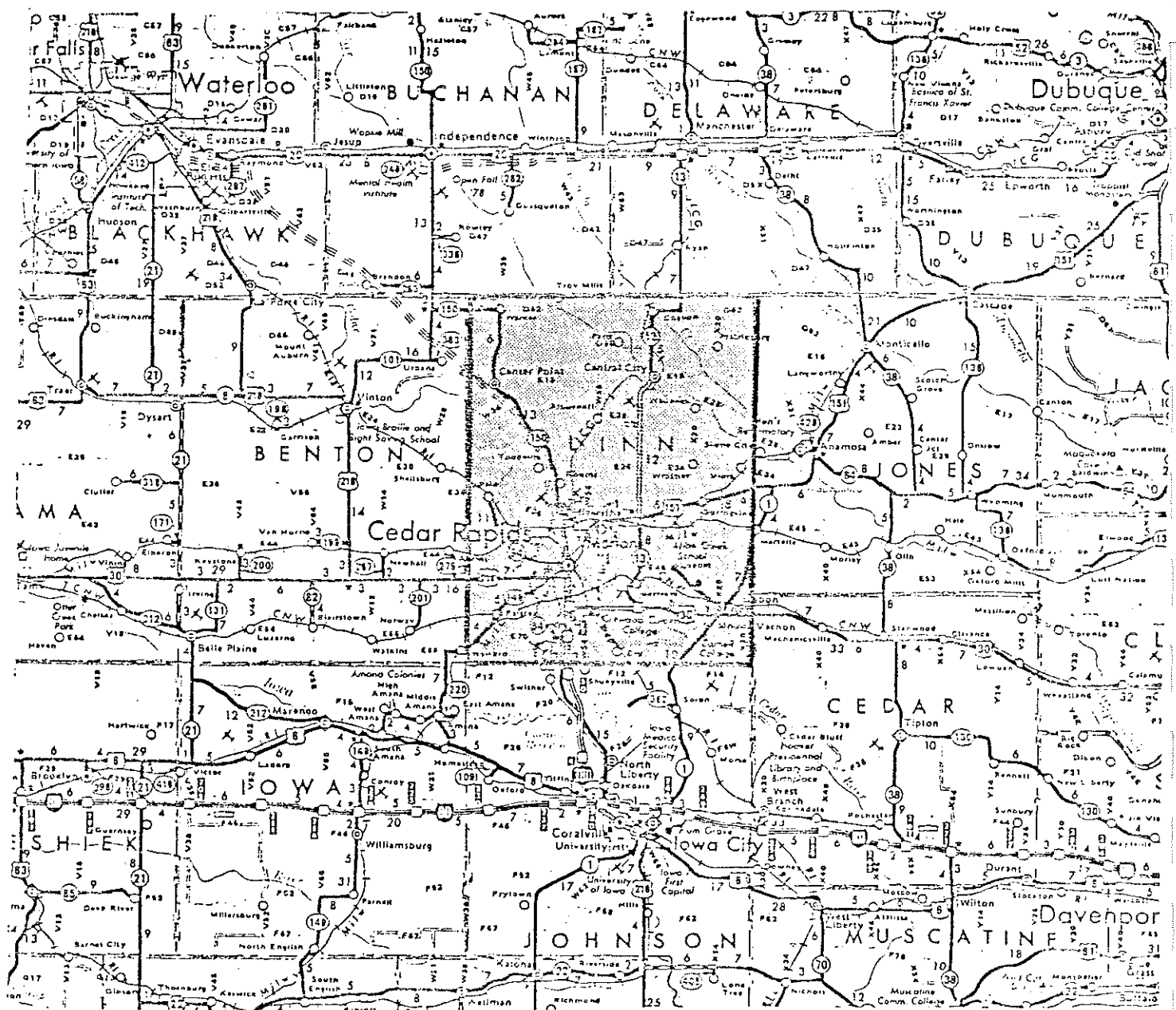


CO Nonattainment Area

4. Iowa Nonattainment Areas - Ozone

The specific areas in Iowa that are designated nonattainment for ozone are outlined on the maps contained in this section.

4.1 Ozone Nonattainment Designation for Linn County

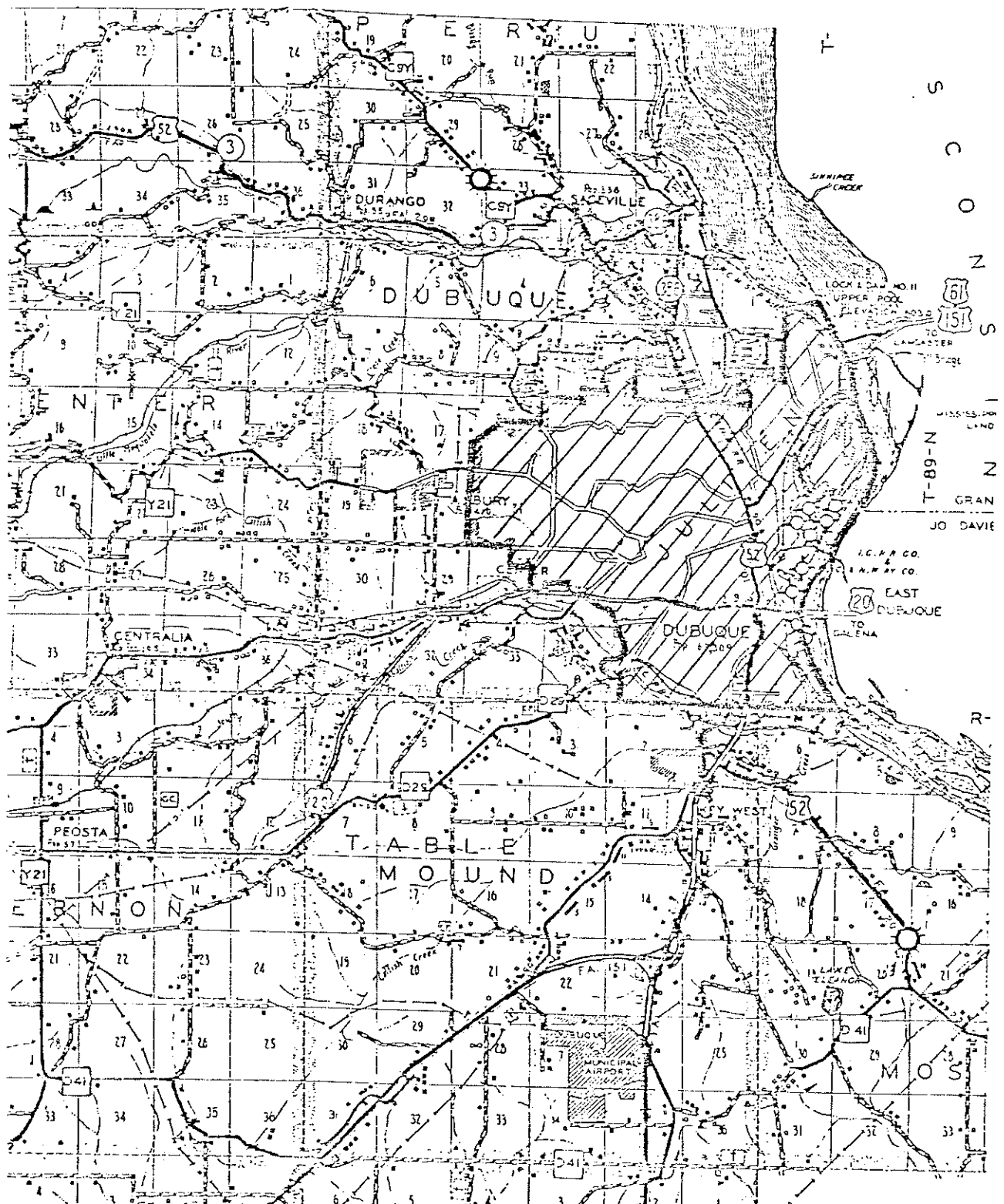


Ozone Nonattainment Area

5. Iowa Nonattainment Areas - Sulfur Dioxide

Specific areas of Iowa that are designated nonattainment for sulfur dioxide are outlined on the maps contained in this section.

5.1 Sulfur Dioxide Nonattainment Designation for the Dubuque Area



Sulfur Dioxide Nonattainment Area

ENVIRONMENTAL QUALITY [400]

AIR QUALITY COMMISSION

Pursuant to the authority of section 455B.12 of the Code, 1979, the rules of the Air Quality Commission relating to controlling pollution, appearing in Chapter 400--3 of the Iowa Administrative Code, are hereby amended.

ITEM 1. Amend Chapter 400--3 by adding a new rule as follows:

400--3.6(455B) Nonattainment area designations.

Section 107(d) of the federal Clean Air Act, 42 U.S.C. §7457(d), requires each state to submit to the Administrator of the federal Environmental Protection Agency a list of areas that exceed the ambient air quality standards, that are lower than those standards or that cannot be classified on the basis of current data. The Commission uses the document entitled "Criteria for Revising Nonattainment Area Designations" (June 14, 1979) to determine when and to what extent the list will be revised and resubmitted.

Notice of intended action on this rule was published in the February 7, 1979 Iowa Administrative Bulletin as part of item 3 of the notice that began on page 944.

This rule was adopted by the Air Quality Commission on June 14, 1979 and was approved by the Executive Committee on June 28, 1979.

This rule shall become effective August 29, 1979.

This rule is intended to implement section 455B.12 of the Code.

Fred Gosch,
Chairman
Executive Committee

Date

Hal B. Richerson, M.D.,
Chairman
Executive Committee

Date

Appendix A

Appendix A contains the rule pertaining to the designation of areas as well as the "Criteria For Revising Nonattainment Area Designations". The rule and the criteria were approved by the Iowa Air Quality Commission on June 14, 1979.

Criteria For Revising Nonattainment Area Designations

Section 107(d) of the federal Clean Air Act, 42 U.S.C. §7457(d), requires each state to submit to the Administrator of the federal Environmental Protection Agency, a list of areas that exceed the ambient air quality standards (nonattainment areas), that are lower than those standards (attainment areas) and that cannot be classified on the basis of current data (unclassified areas). The current designations appear at 40 CFR §81.316. These criteria determine when and to what extent the list will be revised and resubmitted to EPA for approval and revision of 40 CFR §81.316.

1. Particulate Matter.

a. The designation of an area may be changed to primary standards attainment if:

- (1) Six consecutive 12-month running geometric means that have been properly screened for outliers* are all at or below 75 micrograms per cubic meter, and
- (2) The second highest 24-hour value in any consecutive twelve month period in the last eighteen months that has been properly screened for an outlier does not exceed 260 micrograms per cubic meter, and
- (3) Air quality modeling indicates that the area is not projected to exceed the standards.

b. The designation of an area may be changed to secondary standards attainment if:

- (1) The second highest 24-hour value in any consecutive twelve month period in the last eighteen months that has been properly screened for an outlier does not exceed 150 micrograms per cubic meter, and
- (2) Air quality modeling indicates that the area is not projected to exceed the secondary standards, or
- (3) Provided the conditions of 1a. have been met, the monitored values minus an allowance for rural fugitive dust indicate that the standards have not been exceeded and that the modeled values minus an allowance for rural fugitive dust indicate that the area is not projected to exceed the standards.

* Outliers will be screened using the suggested EPA method illustrated in Quality Assurance handbook for Air Pollution Measurement System, Volume 1, EPA - 600/9-76-005, March 1976, or on sampling days when the average wind speed for that day is 20 mph or greater, DEQ staff will examine all HiVol data. Substantially elevated values at the majority of sample sites statewide will indicate that regional fugitive dust was the major contributing source. "Substantially" will be defined as 80 percent of all sample sites recording HiVol values equal to or greater than one standard deviation above the running annual geometric mean. However, if 10 percent of the statewide sampling sites record HiVol values equal to or greater than three standard deviations, all HiVol data recorded in the state that day will be excluded from consideration in developing SIP control strategy for particulates .

c. The designation of an area may be changed to unclassified if:

- (1) Six consecutive 12-month running geometric means that have been properly screened for outliers are at or below 75 micrograms per cubic meter, and
- (2) The second highest 24-hour value in any consecutive twelve month period in the last eighteen months that has been properly screened for an outlier does not exceed 150 micrograms per cubic meter, and
- (3) Air quality modeling predicts that the standards will be exceeded.
- (4) Provided the conditions of 1 a. have been met, the monitored values minus an allowance for rural fugitive dust indicates that they have not been exceeded and that the modeled values minus an allowance for rural fugitive dust indicates that the area is projected to exceed the standards.

d. The designation of an area may be changed to primary standard nonattainment if:

- (1) Six consecutive 12-month running geometric means that have been properly screened for outliers are all above 75 micrograms per cubic meter, or
- (2) The second highest 24-hour value in the last twelve months that has been properly screened for an outlier will exceed 260 micrograms per cubic meter.

e. The designation of an area may be changed to secondary standards nonattainment if:

- (1) The second highest 24-hour value in the last twelve months that has been properly screened for an outlier will exceed 150 micrograms per cubic meter and,
- (2) Provided the conditions of 1 a. have been met, the monitored values minus an allowance for rural fugitive indicates that the secondary standards have been exceeded.

2. Sulfur dioxide.

a. The designation of an area may be changed to primary standards attainment if:

- (1) Six consecutive 12-month running arithmetic means are all at or below 80 micrograms per cubic meter, and
- (2) The second highest 24-hour average concentration in any consecutive twelve month period in the last eighteen months does not exceed 365 micrograms per cubic meter, and
- (3) Air quality modeling indicates that the area is not projected to exceed the standards.

b. The designation of an area may be changed to secondary standards attainment if:

- (1) The second highest 3-hour average concentration in any consecutive twelve-month period in the last eighteen months does not exceed 1300 micrograms per cubic meter, and
- (2) Air quality modeling indicates that the area is not projected to exceed the standards.

c. The designation of an area may be changed to unclassified if:

- (1) Six consecutive 12-month running arithmetic means are all at or below 80 micrograms per cubic meter, and
- (2) The second highest 24-hour average concentration in any consecutive twelve-month period in the last eighteen months does not exceed 365 micrograms per cubic meter, and
- (3) The second highest 3-hour average concentration in any consecutive twelve-month period in the last eighteen months does not exceed 1300 micrograms per cubic meter, and
- (4) Air quality modeling predicts that the standards will be exceeded.

d. The designation of an area may be changed to primary standards nonattainment if:

- (1) Six consecutive 12-month running arithmetic means are all above 80 micrograms per cubic meter, or
- (2) The second highest 24-hour average concentration in the last twelve months will exceed 365 micrograms per cubic meter.

e. The designation of an area may be changed to secondary standards nonattainment if

- (3) The second highest 3-hour average concentration in the last twelve months will exceed 1300 micrograms per cubic meter.

3. Carbon monoxide.

a. The designation of an area may be changed to attainment if:

- (1) The second highest 8-hour average concentration in any consecutive twelve-month period in the last eighteen months is at or below 9 parts per million, and
- (2) The second highest 1-hour average concentration in any consecutive twelve-month period in the last eighteen months is at or below 35 parts per million.

- b. The designation of an area may be changed to unclassified if:
 - (1) The second highest 8-hour average concentration in any consecutive twelve-month period in the last eighteen months does not exceed 9 parts per million,
 - (2) The second highest 1-hour average concentration in any consecutive twelve-month period in the last eighteen months does not exceed 35 parts per million,
 - (3) Air quality modeling predicts that standards will be exceeded.

c. The designation of an area may be changed to nonattainment if:

- (1) The second highest 8-hour average concentration in the last twelve months will exceed 9 parts per million or
- (2) The second highest 1-hour average concentration in the last twelve months will exceed 35 parts per million.

4. Photochemical oxidant (ozone).

- a. The designation of an area may be changed to attainment if the expected number of daily exceedences of the maximum one-hour average concentration of 0.12 parts per million does not exceed one in the last twenty-four months.
- b. The designation of an area may be changed to nonattainment if the expected number of daily exceedences of the maximum one-hour average concentration of 0.12 parts per million will exceed one in a twenty-four month period.

5. Nitrogen dioxide.

- a. The designation of an area may be changed to attainment if six consecutive 12-month running arithmetic means are at or below 100 micrograms per cubic meter.
- b. The designation of an area may be changed to nonattainment if six consecutive 12-month running arithmetic means exceed 100 micrograms per cubic meter.

6. Size of designated areas.

The extent of the area shall be the most reasonable boundaries that can be defined by the best available combination of air quality monitoring and modeling data.

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