



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7

11201 Renner Boulevard
Lenexa, Kansas 66219

MAY 18 2017

Ms. Catherine Fitzsimmons
Bureau Chief
Iowa Department of Natural Resources
Air Quality Bureau
7900 Hickman Road, Suite 1
Windsor Heights, Iowa 50324

Dear Ms. Fitzsimmons:

With this letter, the U.S. Environmental Protection Agency is taking action to approve the Iowa 2017 Ambient Air Monitoring Network Plan. The plan was reviewed and found to be in accordance with the provisions of the Code of Federal Regulations, 40 CFR part 58 - Ambient Air Surveillance.

The 2017 Ambient Air Monitoring Network Plan was submitted by the Iowa Department of Natural Resources to the EPA on April 3, 2017. A 30-day public comment period was offered by IDNR starting on March 2, 2017, as required by 40 CFR part 58. IDNR received three sets of comments. Two of the comments related to the discontinuation of monitors as applied to the 2017 Iowa State Budget. One set of comments requested information with regard to the hazardous air pollutants. The EPA believes IDNR adequately responded to these comments.

As requested by IDNR, an early review of the 2017 monitoring plan was performed by EPA staff to accommodate Iowa's fiscal year that starts on July 1, 2017. IDNR requested discontinuation of the following 19 monitors on or before July 1, 2017:

Monitor number	Pollutant	Monitor type	Location
191532510	PM ₁₀	SLAMS	Clive, Indian Hills Jr. HS
191630020	PM ₁₀	SLAMS	Davenport, Hayes School
191930021	PM ₁₀	SLAMS	Sioux City, Irving School
190130009	PM ₁₀	SLAMS	Waterloo, Water Tower
190851101	Ozone	SLAMS	Pisgah, Highway Maintenance Shed
191930020	SO ₂	SLAMS	George Neal North
190550001	PM ₁₀	SPM	Backbone State Park
191630018	PM ₁₀	SPM	Davenport, Adams School
191471002	PM ₁₀	SPM	Emmetsburg, Iowa Lakes College
191032001	PM ₁₀	SPM	Iowa City, Hoover School
190330020	PM ₁₀	SPM	Mason City, Washington School
191370002	PM ₁₀	SPM	Viking Lake State Park
191390018	PM _{2.5}	SPM	Muscatine, Franklin School
190550001	PM _{2.5}	SPM	Backbone State Park
191630018	PM _{2.5}	SPM	Davenport, Adams School
191630020	PM _{2.5}	SPM BAM	Davenport, Hayes School
190450021	PM _{2.5}	SPM BAM	Clinton, Rainbow Park
191810022	Ozone	SPM	Lake Ahquabi State Park
191130028	Ozone	SPM	Cedar Rapids, Kirkwood College



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The EPA has reviewed the proposed changes and found that the discontinuation of the aforementioned monitors are in accordance with 40 CFR part 58.14, "System Modification." The Monitoring Discontinuation Checklists are enclosed.

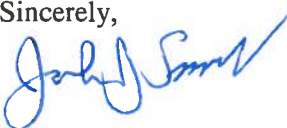
IDNR also requested changes of sampling frequencies for the following six monitors:

Monitor number	Pollutant	Monitor Type	Location	Sampling frequency
191550011	Pb	SLAMS	Griffin Pipe	From 1/3 to 1/6
190330018	PM ₁₀	SLAMS	Mason City, Holcim Cement	From 1/3 to 1/6
190450019	PM _{2.5}	SLAMS	Clinton, Chancy Park	From daily to 1/3
190450021	PM _{2.5}	SLAMS	Clinton, Rainbow Park	From daily to 1/3
191130040	PM _{2.5}		Cedar Rapids, Public Health	From 1/3 to 1/6
191550009	PM _{2.5}		Council Bluffs, Franklin School	From 1/3 to 1/6

The EPA has reviewed the proposed changes and found that the changes of sampling frequencies are in accordance with 40 CFR part 58, Ambient Air Quality Surveillance, and that the sampling frequency changes were adequately justified in Iowa's 2017 Network Plan, Appendix M.

Your air monitoring staff is to be commended for their continuing hard work in completing these plans in a timely manner. Your actions of managing and maintaining a strong air monitoring program clearly supports the EPA's strategic goal of improving air quality. I am appreciative of your commitment and continued dedication to our shared mission.

Sincerely,



 Becky Weber
Director
Air and Waste Management Division

Enclosures

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Clive, IA

Site Address: Indian Hills

Monitor to be discontinued: PM₁₀ (SLAMS)

AQS ID: 19-153-2510

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☒ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☐ Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Davenport, IA

Site Address: Hayes School

Monitor to be discontinued: PM₁₀ (SLAMS)

AQS ID: 19-163-0020

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☒ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Sioux City, IA

Site Address: Irving School

Monitor to be discontinued: PM₁₀ (2 x SLAMS)

AQS ID: 19-193-0021

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☒ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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- ☐ Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Waterloo, IA

Site Address: Water Tower

Monitor to be discontinued: PM₁₀ (SLAMS)

AQS ID: 19-013-0009

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☒ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Pisgah, IA

Site Address: Pisgah Maintenance
Shed

Monitor to be discontinued: Ozone (O₃) (2 x SLAMS)

AQS ID: 19-085-1101

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Sioux City, IA

Site Address: George Neal North

Monitor to be discontinued: SO₂ (SLAMS)

AQS ID: 19-193-0020

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☒ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by: 
Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Dundee, IA

Site Address: Backbone State Park

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-055-0001

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

**EPA Region VII Ambient Air Monitoring Network
Monitor Discontinuation Checklist**

City / Site Name: Davenport, IA

Site Address: Adams School

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-163-0018

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
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Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Emmetsburg, IA

Site Address: Lakes College

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-147-1002

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.



Determination by: Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Iowa City, IA

Site Address: Hoover School

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-103-2001

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

**EPA Region VII Ambient Air Monitoring Network
Monitor Discontinuation Checklist**

City / Site Name: Mason City, IA

Site Address: Washington School

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-033-0020

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Stanton, IA

Site Address: Viking Lake State Park

Monitor to be discontinued: PM₁₀ (SPM)

AQS ID: 19-137-0002

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Muscatine, IA

Site Address: Franklin School

Monitor to be discontinued: PM_{2.5} (SPM)

AQS ID: 19-139-0018

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Dundee, IA

Site Address: Backbone State Park

Monitor to be discontinued: PM_{2.5} (SPM)

AQS ID: 19-055-0001

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.



Determination by: Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Davenport

Site Address: Adams School

Monitor to be discontinued: PM_{2.5} (SPM)

AQS ID: 19-163-0018

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Davenport, IA

Site Address: Hayes School

Monitor to be discontinued: PM_{2.5} (2 x SPM)

AQS ID: 19-163-0020

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Clinton, IA

Site Address: Rainbow Park

Monitor to be discontinued: PM_{2.5} (2 x SPM)

AQS ID: 19-045-0021

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5}SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Des Moines, IA

Site Address: Lake Ahquabi Park

Monitor to be discontinued: Ozone (O₃) (2 x SPM)

AQS ID: 19-181-0022

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017

EPA Region VII Ambient Air Monitoring Network Monitor Discontinuation Checklist

City / Site Name: Cedar Rapids, IA

Site Address: Kirkwood College

Monitor to be discontinued: Ozone (O₃) (2 x SPM)

AQS ID: 19-113-0028

Proposed Effective Date: July 1, 2017

Agency operating monitor: IDNR

In accordance with 40 CFR 58.14, discontinuation of this monitor is approved because one of the following criteria has been met:

- ☐ (1) Any PM_{2.5}, O₃, CO, PM₁₀, SO₂, Pb, or NO₂ SLAMS monitor which has shown attainment during the previous five years, that has a probability of less than 10 percent of exceeding 80 percent of the applicable NAAQS during the next three years based on the levels, trends, and variability observed in the past, and which is not specifically required by an attainment plan or maintenance plan.
Note: In a nonattainment or maintenance area, if the most recent attainment or maintenance plan adopted by the State and approved by EPA contains a contingency measure to be triggered by an air quality concentration and the monitor to be discontinued is the only SLAMS monitor operating in the nonattainment or maintenance area, the monitor may not be discontinued.
- ☐ (2) Any SLAMS monitor for CO, PM₁₀, SO₂, or NO₂ which has consistently measured lower concentrations than another monitor for the same pollutant in the same county (or portion of a county within a distinct attainment area, nonattainment area, or maintenance area, as applicable) during the previous five years, and which is not specifically required by an attainment plan or maintenance plan, if control measures scheduled to be implemented or discontinued during the next five years would apply to the areas around both monitors and have similar effects on measured concentrations, such that the retained monitor would remain the higher reading of the two monitors being compared.
- ☐ (3) For any pollutant, any SLAMS monitor in a county (or portion of a county within a distinct attainment, nonattainment, or maintenance area, as applicable) provided the monitor has not measured violations of the applicable NAAQS in the previous five years, and the approved SIP provides for a specific, reproducible approach to representing the air quality of the affected county in the absence of actual monitoring data.
- ☐ (4) A PM_{2.5} SLAMS monitor which EPA has determined cannot be compared to the relevant NAAQS because of the siting of the monitor, in accordance with §58.30.
- ☐ (5) A SLAMS monitor that is designed to measure concentrations upwind of an urban area for purposes of characterizing transport into the area and that has not recorded violations of the relevant NAAQS in the previous five years, if discontinuation of the monitor is tied to start-up of another station also characterizing transport.
- ☐ This SLAMS monitor is not eligible for removal under any of the criteria in paragraphs (1) through (5) of this section, but may be moved to a nearby location with the same scale of representation because logistical problems beyond the State's control make it impossible to continue operation at its current site.

Or, a case-by-case basis, I have determined that:

- ☒ **Discontinuation of this monitor is approved because discontinuance does not compromise data collection needed for implementation of a NAAQS and the requirements of 40 CFR Part 58 appendix D, if any, continue to be met.**
- ☐ OR this is a special purpose monitor; approval from EPA is not required for discontinuation.

Determination by:  Leland Grooms, ENST/MESB

Date: 04/20/2017