



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 20 2018

REPLY TO THE ATTENTION OF

Ms. Gail Good
Director, Bureau of Air Management
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, Wisconsin 53707-7921

Dear Ms. Good:

The U.S. Environmental Protection Agency reviewed the Wisconsin Department of Natural Resources' (WDNR) 2019 Annual Air Monitoring Network Plan (ANP) and approves the plan and the proposed changes to your network of air quality monitors. Among the approved changes is the continued streamlining of the air monitoring network, including the introduction of the T640/T640x instrumentation to replace the continuous PM_{2.5} Federal Equivalent Method (FEM) Beta Attenuation Monitors (BAM) and PM₁₀ samplers.

We acknowledge and approve the following specific modifications included in WDNR's ANP, which will be implemented from May 1, 2018 through December 31, 2019:

- Phasing in Teledyne API T640/640x Instrumentation
WDNR proposes to phase in new instrumentation, constituting a method change, for several BAM and filter-based PM_{2.5} and PM₁₀ monitors and acknowledges that collocation requirements will be met. The following method changes will be implemented:
 - Teledyne API T640 will replace BAMs at Chiwaukee Prairie (55-059-0019), Eau Claire (55-035-0014), Harrington Beach (55-089-0009), La Crosse (55-063-0012), Madison - East (55-025-0041), Perkinstown (55-119-8001), Potosi (55-043-0009) and Trout Lake (55-125-0001).
 - Teledyne API T640x will replace BAMs and some filter-based PM_{2.5} and PM₁₀ monitors as follows:
 - Madison -University Ave. (55-025-0047): T640x will replace filter-based samplers for PM_{2.5} and PM₁₀.
 - Horicon (55-027-0001): T640x will replace BAM for PM_{2.5} and continuous method for PM₁₀ and PM_{coarse}. Filter-based sampling for PM_{2.5} and PM₁₀ will continue.
 - Milwaukee SER DNR (55-079-0026): T640x will replace BAM for PM_{2.5} and continuous method for PM₁₀ and PM_{coarse}.
 - Milwaukee - College Ave. NR (55-079-0056): T640x will replace PM_{2.5} BAM and add continuous method for PM₁₀. Filter-based PM_{2.5} was discontinued in March.

- Waukesha (55-133-0027): T640x will replace the BAM and filter-based samplers for PM_{2.5} and PM₁₀.
- Enhanced Ozone Monitoring Plan
WDNR proposes to implement an enhanced ozone monitoring plan, as required by 40 CFR part 58.10(a)(11), by capitalizing on the existing ozone and precursor monitoring (oxides of nitrogen (NO_x, NO_y, NO) and volatile organic compounds (VOC)) network and adding a ceilometer. The enhanced ozone monitoring plan sites include: Sheboygan Haven (55-117-0009), Kenosha Water Tower (55-059-0025), Milwaukee SER DNR (55-079-0026), Manitowoc (55-071-0007), Milwaukee Health Center (55-079-0010) and Horicon (55-027-0001). The sites will measure ozone, VOCs, NO_x, NO_y and NO, either year-round or June through August; the location of the ceilometer was not specified.
- Changes to the PM₁₀ Network
WDNR proposes several changes to the PM₁₀ network as follows:
 - Addition of PM₁₀ FEM at Milwaukee - College Ave. NR (55-079-0056).
 - Addition of PM₁₀ Federal Reference Method (FRM) at Milwaukee Sixteenth St. Health Center (55-079-0010).
 - Removal of PM₁₀ FRM samplers at Milwaukee College Ave. Park and Ride (55-079-0058), which is dependent on the performance of the T640x sampler at the near road site and subject to a demonstration that the site meets the discontinuation criteria of 40 CFR part 58.14(c).
- Expera-Kaukauna SO₂
WDNR, with concurrence from Expera-Kaukauna, proposes to assume operation of the Expera-Kaukauna SO₂ monitoring site (55-087-0015).
- Relocation of Lake Geneva site
WDNR proposes to relocate the Lake Geneva site (55-127-0005) to improve site location and access.

If you determine that changes to your monitoring network are needed due to unplanned circumstances or revisions to the federal ambient monitoring and quality assurance requirements, the modifications must be reviewed and approved by EPA.

EPA appreciates your partnership in conducting ambient air monitoring. We look forward to working with you to continuously improve the quality of ambient air in Wisconsin. If you have any questions or comments regarding this network review, please contact Michael Compher, Air Monitoring and Analysis Section Chief, at (312) 886-5745.

Sincerely,



Edward Nam
Director
Air and Radiation Division