

12. Maintain adequate records.



The records should be sufficient to establish and confirm proper installation and operation of the BLDS and its sensors. The initial instrument set up procedures and records for all drift checks and response tests performed on the BLDS should be documented, including values for the baseline (sensitivity) setting, response time setting, and alarm level(s) and a description of how each was established. ^{Ref.7} Inspection records should include the date, time and condition of each sensor as-found, and a description of any actions taken during the inspection (e.g., probe/insulator cleaning). For each BLDS alarm, records should include the date and time of the alarm, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the alarm was alleviated within 3 hours after the alarm. Each entry in the recordkeeping system should be signed by the person conducting the inspection, testing, or maintenance.

Who do I contact for more information?

United States Environmental Protection Agency

Region 5
Air & Radiation Division (AR-18J)
77 West Jackson Blvd
Chicago, Illinois 60604-3590
(312) 353-2000
R5AirPermits@epa.gov



<https://www.epa.gov/caa-permitting/caa-permitting-epas-great-lakes-region>



State/Tribal/Local Permitting Authorities

EPA has approved or delegated authority for the following Region 5 states and other jurisdictions to issue certain CAA permits:

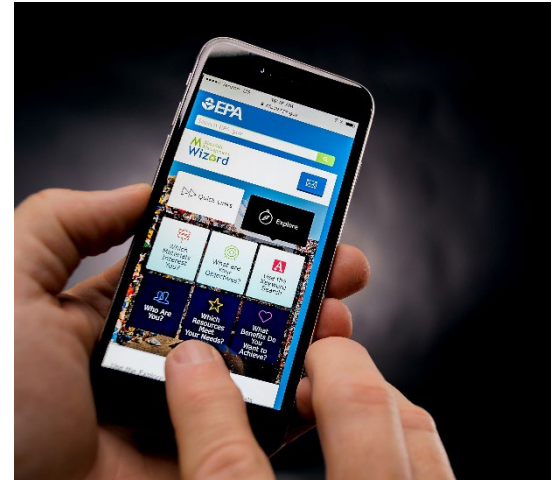
- Illinois: <https://epa.illinois.gov/topics/air-quality.html>
- Indiana: <https://www.in.gov/idem/airquality/index.htm>
- Michigan: <https://www.michigan.gov/egle/>
- Minnesota: <https://www.pca.state.mn.us/>
- Ohio: <https://www.epa.ohio.gov/>

Wisconsin: <https://dnr.wisconsin.gov/>



Useful Resources

1. “Is Baghouse Dye Leak Testing Necessary When Using Triboelectric Monitoring?” Auburn Systems, <https://www.auburnsys.com/blog/topic/bag-leak-detection>
2. “Why Leak Detection Testing Should Be Performed Routinely in Your Baghouse,” Micronics Engineered Filtration Group, <https://www.micronicsinc.com/filtration-news/baghouse-leak-detection-testing/>
3. “Dust Collection Systems Monitoring in Cement Plants,” Auburn Systems, <https://www.auburnsys.com/blog/dust-collection-systems-monitoring-in-cement-plants>
4. Socioeconomic Assessment for Proposed Rule 1155— Particulate Matter (PM) Control Devices, South Coast Air Quality Management District, November 2009, <https://www.remi.com/wp-content/uploads/2017/12/373-SCAQMD-Particulate-Matter-Control-Devices-NOV-2009.pdf> (p.9 estimates BLDS capital cost of \$9,000 per unit in 2009 dollars)
5. Rule 363 Staff Report, Santa Barbara County Air Pollution Control District Community Advisory Council, April 28, 2021, <https://www.ourair.org/wp-content/uploads/2021-04cac-sr.pdf> (pp. 15 and 25 estimate BLDS installation cost of \$12,500 per unit in 2021 dollars)
6. “15 Tips for Selecting the Best Bag Leak Detection System,” Auburn Systems, [https://cdn2.hubspot.net/hub/354686/file-1749319041-pdf/Offers/Auburn Systems Guide to Selecting the Best Bag Leak Detection System.pdf?t=1500311875449](https://cdn2.hubspot.net/hub/354686/file-1749319041-pdf/Offers/Auburn%20Systems%20Guide%20to%20Selecting%20the%20Best%20Bag%20Leak%20Detection%20System.pdf?t=1500311875449)
7. “Fabric Filter Bag Leak Detection Guidance,” EPA Office of Air Quality Planning and Standards, EPA-454/R-98-015, September 1997, <https://www3.epa.gov/ttnemc01/cem/tribo.pdf>
8. “Broken Bag Detection,” Envea, <https://www.envea.global/solutions/process-optimization/broken-bag-detection/>
9. Sample federal rules that contain BLDS provisions:
 - a. [40 CFR 62.14840](#) (defines BLDS for commercial and industrial solid waste incineration units)
 - b. [40 CFR 63.1184](#) (design specifications, installation and operation of a BLDS for mineral wool production plants)
 - c. [40 CFR 63.1206\(c\)\(8\) and \(9\)](#) (BLDS requirements for hazardous waste combustors)
 - d. [40 CFR 63.7710\(b\)\(4\)](#) (site-specific monitoring plan requirements for iron and steel foundries)
 - e. [40 CFR 63.11468](#) (BLDS requirements for secondary nonferrous metals processing area sources)
 - f. [ASTM D7392-07](#) (Standard Practice for PM Detector and Bag Leak Detector Manufacturers to Certify Conformance with Design and Performance Specifications for Cement Plants)



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