

STANDARD OPERATION PROCEDURES

In Use By

**Polk County Air Quality
Ambient Air Monitoring Personnel**

For Calendar Year 2015

Revised: March 13, 2015

Signatures and Approvals



**Robert Rice,
Polk County Public Works Director**

3-13-2015
Date



**Jeremy Becker,
Polk County Air Quality Manager**

3/13/2015
Date

Brent Blanchard
**Brent Blanchard,
Polk County Air Quality Assurance Manager**

3/13/2015
Date

**Catharine Fitzsimmons,
IDNR Air Quality Bureau Chief**

Date

**Brian Hutchins,
IDNR Air Quality, Quality Assurance Coordinator**

Date

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Sections

	Revision	Date
1. Ozone (O ₃)	16	February 26, 2015
2. NO/NO ₂ /NO _x	14	February 26, 2015
3. Near-Road NO ₂	4	February 25, 2015
4. FRM PM 2.5 and PM 10 2025i	2	February 10, 2015
5. FRM PM 2.5 and PM 10	12	March 10, 2015
8. Air Toxics	8	March 11, 2014
9. Met Stations	10	February 19, 2015
10. Barometer	6	February 19, 2009
11. Thermometer	6	February 18, 2009
12. FTS Flowmeter	5	March 12, 2007
13. BIOS Flowmeter	6	March 14, 2012
15. Data Retrieval, Validation and Submission	8	March 10, 2015
18. AirVision	3	January 28, 2014
19. Chain of custody	6	February 13, 2012
22. Trace Level Carbon Monoxide (TL-CO)	9	March 11, 2015
24. Trace Level Sulfur Dioxide (TL-SO ₂)	8	March 13, 2015
25. Teledyne Zero Air Module Model 701	2	December 14, 2012
26. Model 146i Dynamic Gas Calibrator	6	February 26, 2014
28. BAM	5	March 5, 2014

Introduction:

This document is intended to be used by Polk County Air Quality Ambient Air Monitoring personnel as a guide to procedures performed for operation of the Polk County air monitoring program. This document should be used by any and all persons who are involved in the collection of air quality data to be submitted to the Environmental Protection Agency's (EPA) database as well as to the Iowa Department of Natural Resources (IDNR). Yearly review of this document shall be performed by Polk County air monitoring personnel to ensure that procedures outlined are accurate and reflect those activities used by field personnel. After reviewing its' contents, Polk County personnel will submit a copy of this document to the IDNR in PDF format. A copy will be distributed to all Polk County personnel, as well as posted in the air monitoring lab.