

# **STANDARD OPERATION PROCEDURES**

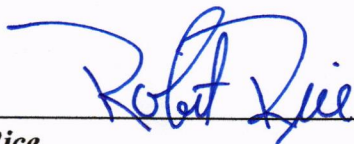
In Use By

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

**For Calendar Year 2023**

**Revised: March 3, 2023**

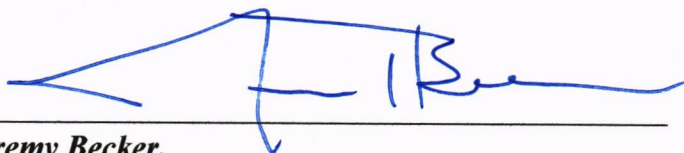
Signatures and Approvals



Robert Rice,  
Polk County Public Works Director

3-3-2023

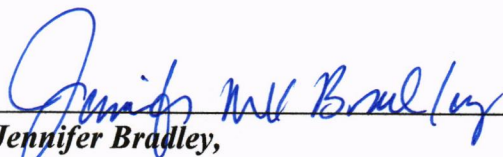
Date



Jeremy Becker,  
Polk County Air Quality Manager

3/2/2023

Date



Jennifer Bradley,  
Polk County Air Quality Assurance Manager

3/6/2023

Date

## Table of Contents

### Introduction

#### Sections

	<b>Revision</b>	<b>Date</b>
1. Ozone (O <sub>3</sub> ) 49 <i>i</i>	27	February 17, 2023
2. NO/NO <sub>2</sub> /NO <sub>x</sub> 42 <i>i</i>	21	February 16, 2023
3. Ozone (O <sub>3</sub> ) 49 <i>iQ</i>	4	February 17, 2023
4. FRM PM 2.5 and PM 10 2025 <i>i</i>	9	February 23, 2023
5. NO/NO <sub>2</sub> /NO <sub>x</sub> 42 <i>iQ</i>	1	February 28, 2023
8. Air Toxics	13	January 20, 2023
9. Met Stations	13	February 16, 2023
10. Barometer	10	February 23, 2023
11. Thermometer	9	February 22, 2023
12. FTS Flowmeter	7	February 23, 2023
13. BIOS Flowmeter	7	January 26, 2023
14. CP Digi Sense Barometer/Temperature/Humidity	2	January 26, 2023
15. Data Retrieval, Validation and Submission	12	February 23, 2023
18. AirVision	6	February 23, 2023
19. Chain of custody	8	February 23, 2023
25. Teledyne Zero Air Module Model 701	3	February 16, 2023
26. Model 146i Dynamic Gas Calibrator	11	January 17, 2023
29. BAM 1022	9	February 22, 2023

## **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.