



**DEPARTMENT OF THE ARMY**  
61<sup>ST</sup> CIVIL SUPPORT TEAM (WMD)  
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NORTH LITTLE ROCK, AR 72199-9600

NGAR-WMD-C

22 December 2023

**MEMORANDUM FOR RECORD**

**SUBJECT: ADEM RFA #2312-002, Air Monitoring IVO Tontitown, AR**

1. National Guard support has been requested by the Arkansas Department of Emergency Management (ADEM) to provide special technical support to augment the specific needs of the Incident Commander in accordance with United States (U.S.) Law on 3 SEP 2022. The ADEM Request # 2312-0002 was approved and forwarded to the 61st Civil Support Team (WMD). This authorized the 61st Civil Support Team (WMD) to provide perimeter air monitoring to analyze the air quality in Tontitown in vicinity of Tontitown landfill.

2. Background: The Department of Energy and Environment – Division of Environment Quality (DEQ) has received air quality complaints from several citizens of Tontitown, Arkansas. Recently, several citizens have indicated that members of the community experienced health issues that they believed to be caused by air quality conditions resulting from operations at the Eco-Vista, LLC – Waste Management of Arkansas, Inc. facility at 2210 Waste Management Drive, Springdale, AR 72762. E&E's Division of Environmental Quality sent several inspectors to Tontitown last week and sent an inspector again this week. The inspectors were unable to verify the citizens' complaints.

3. The 61st CST Strike Team consisting of 4 personnel and 2 vehicle departed home station 211000SDEC2023.

On arrival in Fayetteville, the 61<sup>st</sup> CST stopped at Johnson Mill exit on highway 49 and conducted clean air checks on air monitoring equipment. Team moved to vicinity of Waste Management site on Arbor Acres in Tontitown and placed four AreaRaes in position in accordance with Arkansas Division of Energy and Environment. Points of interest for minitors are as follows;

- a. Intersection of Arbor Acres Ave and S. Pianalto Rd
  - a. AreaRae Unit 7, (Serial Number W01A00000770)
- b. 1497 Arbor Acres Ave
  - a. AreaRae Unit 1 (Serial Number W01A00000658)
- c. 18702 Clear Water Rd
  - a. AreaRae Unit 3 (Serial Number W01A00000660)
- d. 1969 Dowel St. (Moved to intersection of Dowel and Arbot Acres)
  - a. AreaRae Unit 8 (Serial Number W01A00000772)

Monitoring started at approximately 1400hrs, and initial plan to monitor until 0000hrs. That was adjusted to monitor overnight. Team made multiple checks on AreaRaes throughout the afternoon and evening.

The team returned at 0800 22 DEC 2023 to gather equipment from around the Tontitown Waste Management facility. And returned to homestation to pull datalogs and submit to Directorate of Military Support (DOMS) and then to requesting organization.

4. During overnight monitoring we observed elevated readings of sulfur dioxide. Readings of 0.1 ppm were observed in vicinity of Clear Water Rd and Pianalto Rd, and up to 0.2 ppm were observed in vicinity of 1497 Arbor Acres Ave.

5. If possible, recommend the state conduct 5 days of 24 hour monitoring in a period of no precipitation in order to determine if sulfurdioxide levels are reaching permitted Acute Exposure Guidelines (AEGL) as listed by Environmental Protection Agency ([www.epa.gov/ae-gl/sulfur-dioxide-results-ae-gl-program](http://www.epa.gov/ae-gl/sulfur-dioxide-results-ae-gl-program) ). Combine this with a method to pull samples, i.e. Summa canisters and send to a national laboratory for testing in order to confirm or deny harmful toxins in the air.

4. Point of contact for this action is MAJ Rex Thomen at [rex.a.thomen.mil@army.mil](mailto:rex.a.thomen.mil@army.mil) or 501-212-4262.

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