August 25, 2021

Carl Daly, Acting Director of Air and Radiation Division  
U.S. EPA Region 8  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Dear Mr. Daly:

Please find enclosed the Annual Monitoring Network Plan 2021 for the state of Utah. This plan is available online through our website (https://deq.utah.gov/division-air-quality/). The Division of Air Quality established a 30-day comment period from June 1, 2021, to June 30, 2021. Comments were received from three reviewers and these comments have been included along with responses from DAQ.

The report includes information on the air monitoring network and plans for future network modifications.

If you have any questions, please contact Kati Chachere, Environmental Scientist, at 385-261-0813 or kchachere@utah.gov.

Sincerely,

Bryce C. Bird  
Director

BCB:ABC:jf

Enclosed: Annual Monitoring Network Plan 2021 for Utah
# Table of Contents

- Introduction ................................................................................................................................. 3
- Statement of Compliance ............................................................................................................ 3
- Primary Monitor Designation ..................................................................................................... 4
- Network Changes ........................................................................................................................ 5
- Pending Items .............................................................................................................................. 5
- Network Map .............................................................................................................................. 7
- Site Parameters ............................................................................................................................ 8
- Current Site Addresses .............................................................................................................. 9
- Detailed Site Information ........................................................................................................... 11
Introduction

Each year, the Air Monitoring Section of the Utah Division of Air Quality (DAQ) produces a Monitoring Network Plan, as required by federal regulations. The purpose of this document is to acquaint the State of Utah’s stakeholders (public, private, government) and other entities of the current status and the upcoming changes to the State’s Air Quality Monitoring Network and provides evidence of the Utah Division of Air Quality’s federal compliance following the Code of Federal Regulations 40 Code of Federal Register (CFR) § 58. The DAQ continually seeks input from the aforementioned parties on improvements to the current level of service or to provide additional accommodations where requested and needed. The Annual Monitoring Network Plan reflects the necessary network changes DAQ implements to enhance the quality, coverage, reliability, and cost efficiency of the division’s monitoring efforts.

In 2020-2021, the Air Quality Monitoring Network underwent the following changes:

- Precision and span checkpoints on all gaseous monitors that were changed to reflect the CFR Appendix A, 3.1.1 have been reporting data through the 2020 pandemic with minimum disruption.
- The Inland Port site finished construction at the end of 2020 and was fully functional by May/June 2021. Gaseous instrumentation has been deployed and connected to the monitoring network. Particulate instrumentation has started to report data.

Statement of Compliance

According to the requirement of 40 CFR § 58, Subpart B, all stations and monitors deployed within Utah’s air quality monitoring network meet the requirements of appendices A, C, D, and E of the aforementioned subpart. As of 2021, Utah’s Air Quality Monitoring Network has no active Prevention of Serious Deterioration (PSD) air monitoring program stations; appendix B does not apply to any stations or monitors in Utah because this appendix pertains to PSD air monitoring stations.
Primary Monitor Designation

A primary monitor is defined as the one:

“identified by the monitoring organization that provides concentration data used for comparison to the NAAQS. For any specific site, only one monitor for each pollutant can be designated in AQS [EPA’s data management system] as the primary monitor for a given period of time. The primary monitor identifies the default data source for creating a combined site record for purposes of NAAQS comparisons.” (40 CFR 58.1)

Each year, DAQ carefully chooses and designates suitable primary monitors for each monitoring station and each pollutant according to data completeness and integrity. The primary monitors are designated prior to data certification in Q1 of the following year during the regular QC process.

Federal equivalent method (FEM) PM$_{2.5}$ monitor data was not used prior to January 1, 2015, as it did not meet quality assurance requirements. As of January 1, 2015, FEM PM$_{2.5}$ monitoring was used for data substitution and co-locations as required in 49 CFR Part 50 Appendix N and 40 CFR Part 58 Appendix A 3.2. This table lists the designated Pollutant Occurrence Code (POC) for the primary monitor designations for the year 2020.

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Site Number</th>
<th>POC</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM</td>
<td>490050007</td>
<td>1</td>
</tr>
<tr>
<td>BV</td>
<td>490110004</td>
<td>1</td>
</tr>
<tr>
<td>CV</td>
<td>490352005</td>
<td>4</td>
</tr>
<tr>
<td>HW</td>
<td>490353006</td>
<td>4</td>
</tr>
<tr>
<td>RP</td>
<td>490353010</td>
<td>1</td>
</tr>
<tr>
<td>H3</td>
<td>490353013</td>
<td>5</td>
</tr>
<tr>
<td>ED</td>
<td>490450004</td>
<td>1</td>
</tr>
<tr>
<td>LN</td>
<td>490494001</td>
<td>5</td>
</tr>
<tr>
<td>SF</td>
<td>490495010</td>
<td>3</td>
</tr>
<tr>
<td>RS</td>
<td>490130002</td>
<td>3</td>
</tr>
<tr>
<td>EN</td>
<td>490210005</td>
<td>1</td>
</tr>
<tr>
<td>UT</td>
<td>490353015</td>
<td>1</td>
</tr>
<tr>
<td>NR</td>
<td>490354002</td>
<td>1</td>
</tr>
<tr>
<td>V4</td>
<td>490471004</td>
<td>4</td>
</tr>
<tr>
<td>HC</td>
<td>490530007</td>
<td>3</td>
</tr>
<tr>
<td>HV</td>
<td>490571003</td>
<td>1</td>
</tr>
</tbody>
</table>
Network Changes

Utah’s Air Quality Monitoring Network will undergo several changes during 2021.

- **Lake Park Site Installation at Monticello Academy**
  The new site that was installed at the Monticello Academy (2782 S Corporate Park Drive, West Valley City, UT, 84120) on March 7, 2020 and became fully functional in Q3 of 2020.

- **Inland Port Site Installation at new State Prison**
  A new site has been installed at the new State Prison located north of I-80 on the southern border of the Great Salt Lake in Salt Lake County. Power has been installed and network monitoring is currently being configured. It is the DAQ’s plan to have this station fully operational in Q2 of 2021. A proposed list of instrumentation at this site includes meteorological variables, fine particulate matter (PM$_{2.5}$), ozone (O$_3$), oxides of nitrogen (NO$_x$), and black carbon (BC).

Pending Items

- **Relocation of Rose Park Station to New Air Monitoring Center (AMC)**
  The monitoring station located in the Rose Park (about 1 mile away) may be moved to the new AMC location. Data correlation and comparison will be conducted for a year and then we will re-evaluate the proposed consolidation in consultation with EPA.

- **Relocation of Spanish Fork Site**
  Due to construction at the Spanish Fork (SF) airport site, the DAQ will be moving the location of the site, a few hundred feet from its current location to a new location at the same airport. The relocation has been approved by the EPA, the Federal Aviation Administration, and the City of Spanish Fork. Construction of the new location began in March of 2021.

- **Second Near Road Site**
  A second Near Road site is required in the Salt Lake City Metropolitan Statistical Area (MSA). Sites are being considered and evaluated for this in consultation with EPA. The timing on the site is still uncertain and will depend on a number of factors including budget and resources.

- **Relocation of Brigham City Site**
  DAQ is currently searching for a suitable site for a replacement for the Brigham City station.

- **Future New Sites Due to Increased Population**
  The DAQ is waiting for the population census results to determine if new monitoring sites will be needed for cities reaching the population minimums for State and Local Air Monitoring Stations (SLAMS) by the Environmental Protection Agency (EPA) set in the (CFR).
• **Future New Site in Moab**
The DAQ plans to install a PM2.5 monitor within the City limits of Moab. DAQ is currently searching for a suitable site and is coordinating with the local health department (LHD), local officials and DAQ modelers to select a suitable location.

• **Future New Sites in the Uinta Basin**
The DAQ is currently searching for suitable sites in the Uinta Basin area for future air monitoring stations in order to meet enhanced monitoring plan (EMP) requirements as the Basin may be redesignated to moderate nonattainment for ozone. Moderate nonattainment areas are required to have in place an EMP as per the Photochemical Assessment Monitoring Stations (PAMS) rule. The DAQ expects the EPA to take the lead on any PAMS requirements in the Basin as the monitors with the highest levels of ozone are not located on state lands. The timing of these sites is currently undetermined.
## Site Parameters

<table>
<thead>
<tr>
<th>County</th>
<th>Site</th>
<th>PM 2.5</th>
<th>PM 10</th>
<th>Speciation PM 2.5</th>
<th>BC</th>
<th>O₃</th>
<th>NOₓ</th>
<th>NO₃</th>
<th>SO₂</th>
<th>CO</th>
<th>N H₃</th>
<th>Toxics</th>
<th>PAMS</th>
<th>M E T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cache</td>
<td>Smithfield</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weber</td>
<td>Harrisville</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Davis</td>
<td>Bountiful (Viewmont HS)</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Antelope Island</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salt Lake</td>
<td>AMC</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hawthorne</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Herriman #3</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lake Park</td>
<td>1/1</td>
<td>X</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Near Road</td>
<td>1/1</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inland Port</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rose Park</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Saltair</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Copperview</td>
<td>1/1</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tooele</td>
<td>Erda</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utah</td>
<td>Lindon</td>
<td>1/1</td>
<td>1/6</td>
<td>1/1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spanish Fork</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uintah</td>
<td>Vernal #4</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duchesne</td>
<td>Roosevelt</td>
<td>1/1</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon</td>
<td>Price #2</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>Enoch</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Garfield</td>
<td>Escalante</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washington</td>
<td>Hurricane</td>
<td>1/1</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County</td>
<td>EPA AIRS Code</td>
<td>Station Name - Code</td>
<td>Station Address</td>
<td>UTM Northing</td>
<td>UTM Easting</td>
<td>Elevation (meters)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>---------------</td>
<td>---------------------</td>
<td>--------------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cache</td>
<td>490050007</td>
<td>Smithfield (SM)</td>
<td>675 West 220 North, Smithfield</td>
<td>4632671</td>
<td>429270</td>
<td>1377</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weber</td>
<td>490571003</td>
<td>Harrisville (HV)</td>
<td>425 West 2550 North, Harrisville</td>
<td>4572829</td>
<td>417416</td>
<td>1331</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Davis</td>
<td>490110004</td>
<td>Bountiful (BV)</td>
<td>171 West 1370 North, Bountiful</td>
<td>4528360</td>
<td>425503</td>
<td>1309</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490116001</td>
<td>Antelope Island (AI)</td>
<td>Great Salt Lake, Davis County</td>
<td>4543850</td>
<td>396506</td>
<td>1359</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salt Lake</td>
<td>490353011</td>
<td>Air Monitoring Center (UT)</td>
<td>240 N 1950 West, Salt Lake City</td>
<td>4514420</td>
<td>420161</td>
<td>1286</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490353006</td>
<td>Hawthorne (HW)</td>
<td>1675 South 600 East, Salt Lake City</td>
<td>4509639</td>
<td>426361</td>
<td>1306</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490353012</td>
<td>Herriman #3 (H3)</td>
<td>14058 Mirabella Drive, Herriman</td>
<td>4483371</td>
<td>412184</td>
<td>1534</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490353005</td>
<td>Lake Park (LP)</td>
<td>2782 S. Corporate Park Dr., West Valley City</td>
<td>4507037</td>
<td>414801</td>
<td>1295</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490354002</td>
<td>Near Road (NR)</td>
<td>4951 South Galleria Dr., Murray</td>
<td>4501725</td>
<td>423823</td>
<td>1295</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490351007</td>
<td>Inland Port (IP)</td>
<td>1480 N 8000 W, Salt Lake City</td>
<td>4518001</td>
<td>408255</td>
<td>1285</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490353010</td>
<td>Rose Park (RP)</td>
<td>1354 West Goodwin Ave., Salt Lake City</td>
<td>4516479</td>
<td>421458</td>
<td>1295</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490352005</td>
<td>Copperview (CV)</td>
<td>8449 South Monroe St., Midvale</td>
<td>4527825</td>
<td>424683</td>
<td>1290</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utah</td>
<td>490494001</td>
<td>Lindon (LN)</td>
<td>50 North Main Street, Lindon</td>
<td>4465692</td>
<td>439400</td>
<td>1442</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>490495010</td>
<td>Spanish Fork (SF)</td>
<td>Spanish Fork Airport, Spanish Fork</td>
<td>4443095</td>
<td>443761</td>
<td>1380</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County</td>
<td>EPA AIRS Code</td>
<td>Station Name - Code</td>
<td>Station Address</td>
<td>UTM Northing</td>
<td>UTM Easting</td>
<td>Elevation (meters)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>---------------</td>
<td>---------------------</td>
<td>----------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>--------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tooele</td>
<td>490450004</td>
<td>Erda (ED)</td>
<td>2163 West Erda Way, Erda</td>
<td>4495298</td>
<td>385355</td>
<td>1320</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duchesne</td>
<td>490130002</td>
<td>Roosevelt (RS)</td>
<td>290 South 1000 West, Roosevelt</td>
<td>4460879</td>
<td>584230</td>
<td>1588</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uintah</td>
<td>490471003</td>
<td>Vernal #4 (V4)</td>
<td>628 North 1700 West, Vernal</td>
<td>4480337</td>
<td>622012</td>
<td>1667</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon</td>
<td>490071003</td>
<td>Price #2 (P2)</td>
<td>351 South 2500 East, Price</td>
<td>4382915</td>
<td>519750</td>
<td>1740</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Garfield</td>
<td>490170006</td>
<td>Escalante (ES)</td>
<td>755 West Main, Escalante</td>
<td>4181091</td>
<td>445865</td>
<td>1789</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washington</td>
<td>490530007</td>
<td>Hurricane (HC)</td>
<td>147 North 870 West, Hurricane</td>
<td>4117231</td>
<td>295368</td>
<td>992</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td>490210005</td>
<td>Enoch (EN)</td>
<td>3840 North 325 East, Enoch</td>
<td>4179782</td>
<td>318903</td>
<td>1692</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Detailed Site Information**

**Site:** Air Monitoring Center (UT)  
**Longitude:** -111.9461  
**Station Type:** SLAMS  
**AQS#:** 49-035-3015  
**Latitude:** 40.7769  
**MSA:** Salt Lake City  
**Address:** 240 North 1950 West  
**Elevation (m):** 1296  
**City:** Salt Lake City  
**County:** Salt Lake

**Site Objective:**
This site is established to replace the Rose Park (RP) site as an area of further investigation of PM$_{2.5}$ Salt Lake County.

**Does the site meet the objective?**
Yes, all objectives are met.

**Site Description:**
This site is located at the Air Monitoring Center, in the city of Salt Lake, Salt Lake County.

**Can data from this site be used to evaluate NAAQS?** Yes

**Gaseous/Particulate Parameters:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{coarse}$</td>
<td>Manual Gravimetric Subtraction</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Pressure</td>
<td>Barometric Pressure Transducer</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Sonic 2D</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Sonic 2D</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Site Objective:
This site is established to collect meteorological information for air quality modeling inputs.

**Does the site meet the objective?**
Yes, all objectives are met.

Site Description:
This site is located at Antelope Island State Park, near the ranger residences, in Davis County.

**Can data from this site be used to evaluate NAAQS?** No

### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>6 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>6 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>6 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>6 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Bountiful Viewmont (BV)  Longitude: -111.8845  Station Type: SLAMS
AQS#: 49-011-0004  Latitude: 40.903  MSA: Ogden-Clearfield
Address: 171 West 1370 North  Elevation (m): 1309
City: Bountiful  County: Davis

Site Objective:
The Bountiful Viewmont site is established to determine public exposure to air pollution. The site also monitors emissions from nearby oil refineries and local sand and gravel operations. Previous monitoring and saturation studies have recorded high ozone concentrations. This site is chosen for intensive speciation of PM$_{2.5}$ under the EPA Chemical Speciation Network (CSN) and gaseous volatile organic compounds under the EPA National Air Toxics Trends Station (NATTS) Network including hexavalent chromium and carbonyl compounds. Nitrogen dioxide is monitored in support of the ozone monitoring.

Does the site meet the objective?
Yes, all objectives are met.

Site Description:
This site is located near Viewmont High School at the north end of the city of Bountiful, Davis County.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Speciation</td>
<td>Manual EPA CSN</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>VOC</td>
<td>Manual EPA NATTS</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Semi-volatile Organic Carbons</td>
<td>Manual EPA NATTS</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Carbonyl Compounds</td>
<td>Manual EPA NATTS</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Black Carbon</td>
<td>Aethalometer</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
## Detailed Site Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Pressure</td>
<td>Barometric Pressure Transducer</td>
<td>Continuous</td>
<td>1 meter</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Copperview (CV)
Longitude: -111.894127
Station Type: SLAMS
AQS#: 490352005
Latitude: 40.597938
MSA: Salt Lake City
Address: 8449 South Monroe St.
Elevation (m): 1334
City: Midvale
County: Salt Lake

Site Objective:
This site is established to assess population exposure in southeast Salt Lake County.

Does the site meet the objective?
Yes, all objectives are met.

Site Description:
This site is located in a neighborhood area of Midvale in Salt Lake County.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Carbon Monoxide</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Trace Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Continuous Gravimetric</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Pressure</td>
<td>Barometric Pressure Transducer</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Enoch (EN)  Longitude: -113.055525  Station Type: SLAMS
AQS#: 490210005  Latitude: 37.74743  MSA: Not in MSA
Address: 3840 North 325 East  Elevation (m): 1692
City: Enoch  County: Iron

Site Objective:
This site is established to contain SPM equipment to assess population exposure in Iron County prior to full-scale monitoring.

Does the site meet the objective?
Yes, all objectives are met.

Site Description:
This site is located in a county area near Enoch.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>SPM</td>
<td>N/A</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>SPM</td>
<td>N/A</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>SPM</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Erda (ED)  Longitude: -112.3550  Station Type: SLAMS
AQS#: 49-045-0004  Latitude: 40.6005  MSA: Salt Lake City
Address: 2163 West Erda Way  Elevation (m): 1320
City: Erda  City:
County: Tooele  County:

Site Objective:
This site is established to determine population exposure to air pollutants.

Does the site meet the objective?
Yes, all objectives are met.

Site Description:
This site is located in the city of Erda, Tooele County. It is the main monitor for Tooele county.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>3 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site</th>
<th>Escalante (ES)</th>
<th>Longitude:</th>
<th>-111.614722</th>
<th>Station Type:</th>
<th>SPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-017-0006</td>
<td>Latitude:</td>
<td>37.775556</td>
<td>MSA:</td>
<td>N/A</td>
</tr>
<tr>
<td>Address:</td>
<td>755 West Main</td>
<td>Elevation (m):</td>
<td>1789</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Escalante</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Garfield</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established to measure ozone near Escalante National Monument.

**Does the site meet the objective?**
Yes, all objectives are met.

**Site Description:**
This site is located at the Escalante National Monument visitor’s center in Escalante, Garfield County. This site is funded by the Bureau of Land Management.

**Can data from this site be used to evaluate NAAQS?** Yes

**Gaseous/Particulate Parameters:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>Regional</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site:</th>
<th>Harrisville (HV)</th>
<th>Longitude:</th>
<th>-111.9865</th>
<th>Station: SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-057-1003</td>
<td>Latitude:</td>
<td>41.3028</td>
<td>MSA: Ogden-Clearfield</td>
</tr>
<tr>
<td>Address:</td>
<td>425 West 2550 North</td>
<td>Elevation (m):</td>
<td>1331</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Harrisville</td>
<td>County:</td>
<td>Weber</td>
<td></td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established in response to an ozone saturation study indicating this as a potentially high ozone concentration area.

**Does the site meet the objective?**
Yes, all objectives are met.

**Site Description:**
This site is located on the grounds of Majestic Elementary School in the city of Harrisville, Weber County.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>

### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
**Site Objective:**
This site is established to represent population exposure in the Salt Lake City area. This site is also designated as the EPA NCORE site for Utah.

**Does the site meet objective?**
Yes, all current objectives are met. NCORE monitoring began in January 2011.

**Site Description:**
This site is located at Hawthorne Elementary School in the southeast section of Salt Lake City, Salt Lake County.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>Manual NADP AMoN</td>
<td>Integrated 14 days</td>
<td>Population Exposure</td>
<td>SPM - Transport Regional</td>
</tr>
<tr>
<td>Trace Carbon Monoxide</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Photolysis</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Trace NO&lt;sub&gt;y&lt;/sub&gt;</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Trace Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM&lt;sub&gt;2.5&lt;/sub&gt;</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM&lt;sub&gt;2.5&lt;/sub&gt; Speciation</td>
<td>Manual EPA CSN</td>
<td>1 in 3 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM&lt;sub&gt;2.5&lt;/sub&gt; Real Time NCORE</td>
<td>Synchronized Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Pollution Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM&lt;sub&gt;coarse&lt;/sub&gt;</td>
<td>Manual Gravimetric Subtraction</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Organic &amp; Elemental Carbon</td>
<td>NIDR</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PAMS C2 to C12</td>
<td>Instrumental Gas Chromatography</td>
<td>Continuous</td>
<td>Ozone Modeling Input</td>
<td>Population Neighborhood</td>
</tr>
<tr>
<td>Visibility</td>
<td>Instrumented</td>
<td>Continuous</td>
<td>Public Information</td>
<td>Population Neighborhood</td>
</tr>
</tbody>
</table>
## Detailed Site Information

<table>
<thead>
<tr>
<th>Meteorological Parameters:</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Pressure</td>
<td>Barometric Pressure Transducer</td>
<td>Continuous</td>
<td>3 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>Electronic EPPLY</td>
<td>Continuous</td>
<td>4 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Mix Layer Height (MXLH)</td>
<td>Atmospheric Lidar</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Herriman #3 (H3)
AQS#: 49-035-3012
Address: 14058 Mirabella Drive
City: Herriman
County: Salt Lake
Longitude: -112.036305
Latitude: 40.496408
Elevation (m): 1534
Station Type: SLAMS
MSA: Salt Lake City

Site Objective:
This site is established to assess population exposure in southwest Salt Lake County.

Does the site meet objective?
Yes, all objectives are met.

Site Description:
This site is located at Fort Herriman Middle School in southwest Salt Lake County.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$ Real Time</td>
<td>Synchronized Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Instrumental/Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Instrumental/Electronic Chopped Signal</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Barometric Pressure</td>
<td>Pressure Transducer</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Instrumental/Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

**Site:** Hurricane (HC)  
**Longitude:** -113.3051  
**Station Type:** SLAMS

**AQS#:** 49-053-0007  
**Latitude:** 37.1791  
**MSA:** St. George

**Address:** 147 North 870 West  
**Elevation (m):** 992  
**City:** Hurricane  
**County:** Washington

**Site Objective:**  
This site is established to determine population exposure to ozone in Washington County.

**Does the site meet objective?**  
Yes, all objectives are met.

**Site Description:**  
This site is located behind the Hurricane City offices.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>

### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Barometric Pressure</td>
<td>Pressure Transducer</td>
<td>Continuous</td>
<td>2 meters</td>
<td>Regional</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site:</th>
<th>Inland Port (IP)</th>
<th>Longitude:</th>
<th>-112.087717</th>
<th>Station Type:</th>
<th>SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-035-3016</td>
<td>Latitude:</td>
<td>40.807897</td>
<td>MSA:</td>
<td>Salt Lake City</td>
</tr>
<tr>
<td>Address:</td>
<td>1480 N 8000 W</td>
<td>Elevation (m):</td>
<td>1285.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Salt Lake City</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Salt Lake</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Site Objective:
This site is established to determine population exposure.

### Does the site meet objective?
Yes, all objectives are met.

### Site Description:
This site is located in the new prison site.

### Can data from this site be used to evaluate NAAQS? Yes

## Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>Regional</td>
</tr>
</tbody>
</table>

## Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Ambient Pressure</td>
<td>Barometric Pressure Transducer</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
</tbody>
</table>
## Detailed Site Information

<table>
<thead>
<tr>
<th>Site:</th>
<th>Lindon (LN)</th>
<th>Longitude:</th>
<th>-111.7133</th>
<th>Station Type:</th>
<th>SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-049-4001</td>
<td>Latitude:</td>
<td>40.3396</td>
<td>MSA:</td>
<td>Provo - Orem</td>
</tr>
<tr>
<td>Address:</td>
<td>50 North Main</td>
<td>Elevation (m):</td>
<td>1442</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Lindon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Utah</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established to determine PM emissions from commercial and industrial sources. Historically, this site has reported the highest PM values in Utah County.

**Does the site meet objective?**
Yes, all objectives are met.

**Site Description:**
This site is located at the Lindon Elementary School in the City of Lindon, Utah County.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric Collocated</td>
<td>1 in 6 days</td>
<td>Precision and Accuracy Assessment</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Speciation</td>
<td>Manual EPA CSN</td>
<td>1 in 6 days</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Impact Neighborhood</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Black Carbon</td>
<td>Aethalometer</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
## Detailed Site Information

<table>
<thead>
<tr>
<th>Meteorological Parameters</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Lake Park (LP)  Longitude: -112.008576  Station Type: SLAMS
AQS#: 49-035-1007  Latitude: 40.709791  MSA: Salt Lake City
Address: 2782 S Corporate Park Dr.  Elevation (m): 1295
City: West Valley City
County: Salt Lake

Site Objective:
This site is established to determine potential impact of the Inland Port on the Salt Lake Valley Airshed.

Does the site meet objective?
Yes, all objectives are met.

Site Description:
This site is located near the parking lot of Monticello Academy in the City of West Valley City, Salt Lake County.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM_{2.5} Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>PM_{2.5}</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM_{10}</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - High Neighborhood</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site</th>
<th>Near Road (NR)</th>
<th>Longitude:</th>
<th>Station Type:</th>
<th>SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-035-4002</td>
<td>40.662878</td>
<td>MSA:</td>
<td>Salt Lake City</td>
</tr>
<tr>
<td>Address:</td>
<td>4951 South Galleria Dr</td>
<td>-111.9011881</td>
<td></td>
<td>SLAMS</td>
</tr>
<tr>
<td>City:</td>
<td>Murray</td>
<td>Elevation (m):</td>
<td>1295</td>
<td>SLAMS</td>
</tr>
<tr>
<td>County:</td>
<td>Salt Lake</td>
<td></td>
<td></td>
<td>SLAMS</td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established to monitor vehicular contribution to air pollution.

**Does the site meet objective?**
Yes, all objectives are met.

**Site Description:**
This site is located on I-15 as it crosses 5000 S in Murray, UT.

**Can data from this site be used to evaluate NAAQS?:** Yes

**Gaseous/Particulate Parameters:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Carbon Monoxide Trace</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
Detailed Site Information

Site: Price #2 (P2)  Longitude: -110.77  Station Type: SPM
AQS#: 49-007-1003  Latitude: 39.5958  MSA: Price
Address: 351 South Weasel Run Road  Elevation (m): 1740
City: Price  County: Carbon

Site Objective:
This site is established in response to a three-state ozone study. It is funded by the Bureau of Land Management.

Does the site meet objective?
Yes, all objectives are met.

Site Description:
This site is located in a farm field 3.6 Km east of Price.

Can data from this site be used to evaluate NAAQS? Yes

Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Ozone Winter Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>High Ozone Winter Study</td>
<td>Regional</td>
</tr>
</tbody>
</table>

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
</tbody>
</table>
# Detailed Site Information

<table>
<thead>
<tr>
<th>Site:</th>
<th>Roosevelt (RS)</th>
<th>Longitude:</th>
<th>-110.009</th>
<th>Station Type:</th>
<th>SPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-013-0002</td>
<td>Latitude:</td>
<td>40.2941</td>
<td>MSA:</td>
<td>N/A</td>
</tr>
<tr>
<td>Address:</td>
<td>290 South 1000 West</td>
<td>Elevation (m):</td>
<td>1588</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Roosevelt</td>
<td>County:</td>
<td>Duchesne</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established to determine maximum ozone and PM$_{2.5}$ concentrations in Duchesne County.

**Does the site meet objective?**
Yes, all objectives are met.

**Site Description:**
This site is located in the city park northwest section of Roosevelt.

**Can data from this site be used to evaluate NAAQS?** Yes

## Gas/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Ozone Winter Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>High Ozone Winter Study</td>
<td>Regional</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>Regional</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor, Collocated</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>Regional</td>
</tr>
</tbody>
</table>

## Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Sonic Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Sonic Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>2 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Temperature Difference</td>
<td>Math Channel</td>
<td>Continuous</td>
<td>10-2 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Site: Rose Park (RP)

AQS#: 49-035-3010

Address: 1354 West Goodwin Avenue

City: Salt Lake City

County: Salt Lake

Longitude: -111.9309

Latitude: 40.7955

Elevation (m): 1295

Station Type: SLAMS

MSA: Salt Lake City

Site Objective:
This site is established to better represent PM$_{2.5}$ exposure in this area of Salt Lake City.

Does the site meet objective?
Yes, all objectives are met.

Site Description:
This site is located in the community of Rose Park at the north end of Salt Lake City, Salt Lake County.

Can data from this site be used to evaluate NAAQS? Yes

### Gas/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>Pulsed Fluorescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>Instrumental Gas Phase Correlation</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric Co-located</td>
<td>1 in 6 days</td>
<td>Precision and Accuracy Assessment</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
Site: Saltair (SA)  
Longitude: -112.0498  
Station Type: SPM

AQS#: 49-035-3005  
Latitude: 40.8061  
MSA: Salt Lake City

Address: 6640 West 1680 North  
Elevation (m): 1282  
City: Salt Lake City

County: Salt Lake

Site Objective:
This site is established to collect meteorological information for air quality models.

Does the site meet objective?
Yes, all objectives are met.

Site Description:
The site is located west of the Salt Lake Airport in Salt Lake County.

Can data from this site be used to evaluate NAAQS? No

Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>Electronic LiCor</td>
<td>Continuous</td>
<td>2 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

**Site:** Smithfield (SM)  
**Longitude:** -111.851944  
**Station Type:** SLAMS  
**AQS#:** 49-005-0007  
**Latitude:** 41.842778  
**MSA:** Logan  
**Address:** 675 West 220 North  
**Elevation (m):** 1377  
**City:** Smithfield  
**County:** Cache

**Site Objective:**  
This site is established to replace the Logan site and determine general population exposure.

**Does the site meet objective?**  
Yes, all objectives are met.

**Site Description:**  
This site is located at Birch Creek Elementary School in Cache County. It is approximately 7 miles north of Logan.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Black Carbon</td>
<td>Aethalometer</td>
<td>Continuous</td>
<td>General/Background</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>1 in 6 days</td>
<td>Precision and Accuracy Assessment</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor, Collocated</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>Manual Gravimetric Co-located</td>
<td>1 in 6 days</td>
<td>Precision and Accuracy Assessment</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
</tbody>
</table>
### Detailed Site Information

#### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site</th>
<th>Spanish Fork (SF)</th>
<th>Longitude:</th>
<th>-111.6603</th>
<th>Station Type:</th>
<th>SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-049-5010</td>
<td>Latitude:</td>
<td>40.1364</td>
<td>MSA:</td>
<td>Provo - Orem</td>
</tr>
<tr>
<td>Address:</td>
<td>312 West 2050 North</td>
<td>Elevation</td>
<td>1380</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Spanish Fork</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Utah</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site Objective:**
This site is established to determine the boundary of the high ozone and PM2.5 concentrations in Utah County.

**Does the site meet objective?**
Yes, all objectives are met.

**Site Description:**
This site is located at the Spanish Fork airport in the city of Spanish Fork, Utah County.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gas/Particulate Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Monitoring Objective</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>Trace Nitrogen Dioxide</td>
<td>Instrumental Chemiluminescence</td>
<td>Continuous</td>
<td>Population Exposure</td>
<td>SLAMS - Population Neighborhood</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>Manual Gravimetric</td>
<td>Daily</td>
<td>Population Exposure</td>
<td>SLAMS - Transport Regional</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Continuous Gravimetric</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Transport Regional</td>
</tr>
</tbody>
</table>

### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Urban</td>
</tr>
</tbody>
</table>
### Detailed Site Information

<table>
<thead>
<tr>
<th>Site:</th>
<th>Vernal #4 (V4)</th>
<th>Longitude:</th>
<th>-109.560733</th>
<th>Station Type:</th>
<th>SLAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQS#:</td>
<td>49-047-1003</td>
<td>Latitude:</td>
<td>40.464971</td>
<td>MSA:</td>
<td>NA</td>
</tr>
<tr>
<td>Address:</td>
<td>628 North 1700 West</td>
<td>Elevation (m):</td>
<td>1667</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**City:** Vernal  
**County:** Uintah

**Site Objective:**  
This site is established was set up in response to an ozone study.

**Does the site meet objective?**  
Yes, all objectives are met.

**Can data from this site be used to evaluate NAAQS?** Yes

### Gaseous/Particulate Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozone</td>
<td>Instrumental Ultraviolet</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Trace Nitrogen</td>
<td>Instrumental</td>
<td>Continuous</td>
<td>High Winter Ozone Study</td>
<td>Regional</td>
</tr>
<tr>
<td>Dioxide</td>
<td>Chemiluminescence</td>
<td>Continuous</td>
<td>Air Quality Index</td>
<td>SLAMS - Population</td>
</tr>
<tr>
<td>PM$_{2.5}$ Real Time</td>
<td>Synchronized Hybrid Ambient Real Time Particulate Monitor</td>
<td>Continuous</td>
<td>SLAMS - Population - Neighborhood</td>
<td></td>
</tr>
</tbody>
</table>

### Meteorological Parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sampling &amp; Analysis Method</th>
<th>Operating Schedule</th>
<th>Tower Height</th>
<th>Spatial Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity</td>
<td>Electronic Thin Film</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>Electronic Resistance</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Direction</td>
<td>Electronic Resistance Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>WD Sigma</td>
<td>Electronic EPA Method</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>Electronic Chopped Signal Level 1</td>
<td>Continuous</td>
<td>10 meters</td>
<td>Regional</td>
</tr>
<tr>
<td>Barometric Pressure</td>
<td>Pressure Transducer</td>
<td>Continuous</td>
<td>2 meters</td>
<td>Regional</td>
</tr>
</tbody>
</table>
Response to Comments for the 2021 Annual Air Monitoring Network Plan –

There were 3 commenters that provided a number of comments. One was a typo that was caught and has been corrected. The rest were basically suggestions on what could be done to improve the air monitoring network. By and large we agree with all comments as they indicate a desire to increase the air monitoring conducted and the data collected. Universally, we are constrained by fiscal limitations and competing needs for scarce resources. If resources were not an issue we would implement all suggestions as they are generally sound. However, in light of limited resources, we are required to be judicious in our use of the resources that we have at hand. With this in mind, individual comments and responses follow.

1. Add co-located PM2.5 monitors to the Near Road and Copperview monitoring sites.

Response – Generally we agree and if these sites are to continue to operate into 2022 then they could have a collocated particulate monitor.

2. Increase PM2.5 speciation at the Hawthorne monitoring site to daily during each wintertime PM2.5 season.

Response – Having more speciation data is generally a good thing, however, it is unclear that this increase is required with particulate numbers dropping and EPA poised to re-designate the Wasatch Front Non-Attainment Area (NWF NAA) to attainment. The change to daily sampling is relatively costly and would require a significant portion of the ongoing air monitoring resources.

3. Add a new PM2.5 speciation site in the western part of the Salt Lake City Non-Attainment Area (ALC NAA).

Response - Similar to #2 above additional speciation data from the western part of Salt Lake County may be desirable, however there are other areas in the state that do not have any speciation data. Adding a new speciation site in those areas may be a better use of resources if the required resources can be found.

4. Add one more Photochemical Assessment Monitoring Station (PAMS) monitor for Volatile Organic Compound (VOC) monitoring in the NWF NAA.

Response – It is unclear at this time how many PAMS monitoring sites are required in an area and what benefit having several of these sites in the same air shed would provide. PAMS monitoring is enormously expensive and would require considerable additional resources. The current site meets all regulatory requirements at this time. Additional PAMS sites may also be
required/desired in the Uinta Basin for the ozone state implementation plan. It is uncertain at this

time who, if anyone, will be providing the funding for the PAMS monitoring activities in the

Basin. Hopefully, EPA will provide that monitoring. In any event, resources are insufficient to

add an additional PAMS site and keep the rest of the monitoring network intact.

5. Add one or more additional Mix Layer Height instruments to a monitor location within

the NWF NAA.

Response – It is unclear the value of an additional ceilometer to measure mixing height. The

single ceilometer at the HW site meets current PAMS requirements. While it may be “nice” to

have another instrument of this type along the Wasatch Front, resources are scarce and may not

support it. In addition, modelers and forecasters have not determined that an additional

ceilometer would be beneficial or the best separation distance between like instruments to

provide the most benefit if resources are found that would allow the addition of additional

instruments.

6. When the time comes to replace your NOx analyzers in the Uinta Basin, it would be great

to replace them with instruments with photolytic NO2 converters.

Response – We will evaluate the possibility of moving to photolytic converters at the next

change out opportunity. While there are benefits to using this type of instrument there are also

downsides related to performance and stability. However, these past issues do not forecast future

performance.