

Division of Air Quality

Annual Monitoring Network Plan 2021



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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.

Site Name	Site Number	POC
SM	490050007	1
BV	490110004	1
CV	490352005	4
HW	490353006	4
RP	490353010	1
НЗ	490353013	5
ED	490450004	1
LN	490494001	5
SF	490495010	3
RS	490130002	3
EN	490210005	1
UT	490353015	1
NR	490354002	1
V4	490471004	4
НС	490530007	3
HV	490571003	1

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 (O₃), 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).

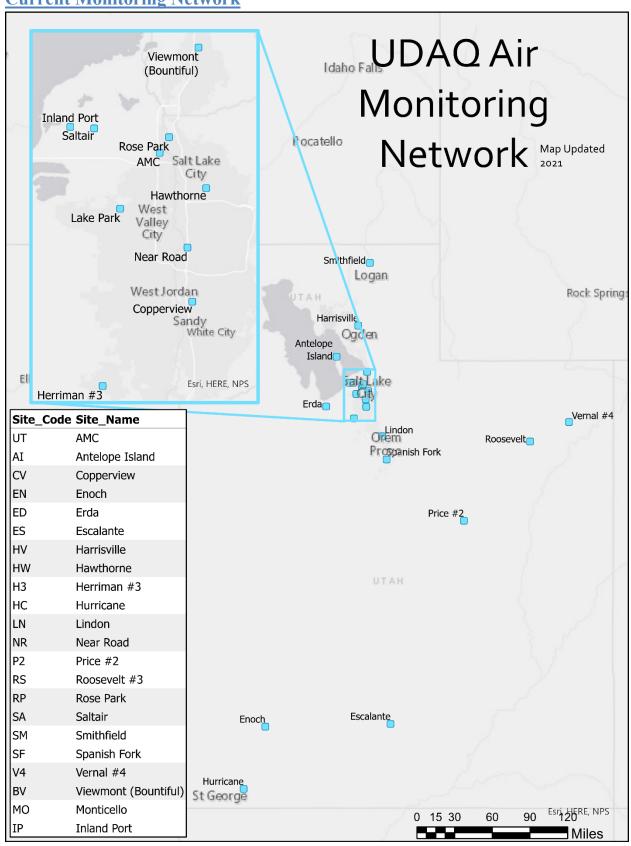
• Future New Site in Moab

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.

Current Monitoring Network



Site Parameters

			PM 2.5			PM 10										NI		М
County	Site	Primary	Co- located	Contin uous	Primary	Co- located	Contin uous	PM Coarse	Speciation PM 2.5	ВС	O ₃	NO _x	NOy	SO ₂	CO	N H 3	Toxics PAMS	M E T.
Cache	Smithfield	1/1	1/1	X	1/1	1/6	X	X	X	X	X	X						X
Weber	Harrisville	1/1	1/1	X	1/1						X	X			X			X
Davis	Bountiful (Viewmont HS)	1/1	1/1	X	1/1	1/6			X		X	X					X	X
	Antelope Island																	X
	AMC	1/1	1/1	X	1/1						X	X		X	X	X		X
	Hawthorne	1/1	1/1	X	1/1			X	X		X	X	X	X	X	X	X	X
	Herriman #3	1/1		X	1/1	1/1	X	X			X	X						X
	Lake Park	1/1	1/1	X	1/1					X	X	X			X			X
Salt Lake	Near Road	1/1		X							X	X			X			
	Inland Port			X						X	X	X						X
	Rose Park	1/1	1/1	X							X	X		X	X			X
	Saltair																	X
	Copperview	1/1		X							X	X		X	X			X
Tooele	Erda	1/1	1/1	X							X	X						X
Utah	Lindon	1/1	1/6	X	1/1			X	X		X	X			X			X
Utan	Spanish Fork	1/1	1/1	X							X							X
Uintah	Vernal #4	1/1		X							X	X						X
Duchesne	Roosevelt	1/1		X							X	X						X
Carbon	Price #2										X	X						X
Iron	Enoch	1/1		X							X	X						X
Garfield	Escalante										X							
Washington	Hurricane	1/1		X							X	X						X

Current Site Addresses

				UTM	UTM	
County	EPA AIRS Code	Station Name - Code	Station Address	Northing	Easting	Elevation (meters)
Cache	490050007	Smithfield (SM)	675 West 220 North, Smithfield	4632671	429270	1377
Weber	490571003	Harrisville (HV)	425 West 2550 North, Harrisville	4572829	417416	1331
	490110004	Bountiful (BV)	171 West 1370 North, Bountiful	4528360	425503	1309
Davis	490116001	Antelope Island (AI)	Great Salt Lake, Davis County	4543850	396506	1359
	490353011	Air Monitoring Center (UT)	240 N 1950 West, Salt Lake City	4514420	420161	1286
	490353006	Hawthorne (HW)	1675 South 600 East, Salt Lake City	4509639	426361	1306
	490353012	Herriman #3 (H3)	14058 Mirabella Drive, Herriman	4483371	412184	1534
	490353005	Lake Park (LP)	2782 S. Corporate Park Dr., West Valley City	4507037	414801	1295
Salt Lake	490354002	Near Road (NR)	4951 South Galleria Dr., Murray	4501725	423823	1295
	490351007	Inland Port (IP)	1480 N 8000 W, Salt Lake City	4518001	408255	1285
	490353010	Rose Park (RP)	1354 West Goodwin Ave., Salt Lake City	4516479	421458	1295
	490352005	Copperview (CV)	8449 South Monroe St., Midvale	4527825	424683	1290
Utah	490494001	Lindon (LN)	50 North Main Street, Lindon	4465692	439400	1442
	490495010	Spanish Fork (SF)	Spanish Fork Airport, Spanish Fork	4443095	443761	1380

Current Site Addresses

				UTM	UTM	
County	EPA AIRS Code	Station Name - Code	Station Address	Northing	Easting	Elevation (meters)
Tooele	490450004	Erda (ED)	2163 West Erda Way, Erda	4495298	385355	1320
Duchesne	490130002	Roosevelt (RS)	290 South 1000 West, Roosevelt	4460879	584230	1588
Uintah	490471003	Vernal #4 (V4)	628 North 1700 West, Vernal	4480337	622012	1667
Carbon	490071003	Price #2 (P2)	351 South 2500 East, Price	4382915	519750	1740
Garfield	490170006	Escalante (ES)	755 West Main, Escalante	4181091	445865	1789
Washington	490530007	Hurricane (HC)	147 North 870 West, Hurricane	4117231	295368	992
Iron	490210005	Enoch (EN)	3840 North 325 East, Enoch	4179782	318903	1692

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - High Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - High Neighborhood
Carbon Monoxide	Instrumental Gas Phase Correlation	Continuous	Population Exposure	SLAMS - High Neighborhood
Sulfur Dioxide	Pulsed Fluorescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM_{10}	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Synchronized Ambient Real Time	Continuous	Air Quality Index	SLAMS - Population Neighborhood
	Particulate Monitor			
PM_{coarse}	Manual Gravimetric Subtraction	Daily	Population Exposure	SLAMS - Population Neighborhood

1/100001 010S1041 1 41 41110001 5							
Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale				
Barometric Pressure Transducer	Continuous	10 meters	Urban				
Electronic Thin Film	Continuous	10 meters	Urban				
Electronic Resistance	Continuous	10 meters	Urban				
Sonic 2D	Continuous	10 meters	Urban				
Electronic EPA Method	Continuous	10 meters	Urban				
Sonic 2D	Continuous	10 meters	Urban				
	Sampling & Analysis Method Barometric Pressure Transducer Electronic Thin Film Electronic Resistance Sonic 2D Electronic EPA Method	Sampling & Analysis MethodOperating ScheduleBarometric Pressure TransducerContinuousElectronic Thin FilmContinuousElectronic ResistanceContinuousSonic 2DContinuousElectronic EPA MethodContinuous	Sampling & Analysis MethodOperating ScheduleTower Height ScheduleBarometric Pressure TransducerContinuous10 metersElectronic Thin FilmContinuous10 metersElectronic ResistanceContinuous10 metersSonic 2DContinuous10 metersElectronic EPA MethodContinuous10 meters				

Site: Antelope Island (AI) Longitude: -112.2313 Station Type: SPM

AQS#: 49-011-6001 Latitude: 41.0393 MSA: Ogden-Clearfield

Address: Antelope Island Elevation (m): 1359

City: N/A County: Davis

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

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Relative Humidity	Electronic Thin Film	Continuous	6 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	6 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	6 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	6 meters	Urban

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - High Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - Population Neighborhood
PM_{10}	Manual Gravimetric	1 in 6 days	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Speciation	Manual EPA CSN	1 in 6 days	Population Exposure	SLAMS - Population Neighborhood
VOC	Manual EPA NATTS	1 in 6 days	Population Exposure	SLAMS - Population Neighborhood
Semi-volatile Organic Carbons	Manual EPA NATTS	1 in 6 days	Population Exposure	SLAMS - Population Neighborhood
Carbonyl Compounds	Manual EPA NATTS	1 in 6 days	Population Exposure	SLAMS - Population Neighborhood
Black Carbon	Aethalometer	Continuous	Population Exposure	SLAMS - Population Neighborhood

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Pressure	Barometric Pressure Transducer	Continuous	1 meter	Urban
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban

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:

Parameter	Sampling & Analysis Method	Operating	Monitoring	Spatial Scale
		Schedule	Objective	
Trace Carbon Monoxide	Instrumental Gas Phase Correlation	Continuous	Population Exposure	SLAMS - High Neighborhood
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - High Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - High Neighborhood
Trace Sulfur Dioxide	Pulsed Fluorescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Continuous Gravimetric	Continuous	Population Exposure	SLAMS - Population Neighborhood

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Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban
Ambient Pressure	Barometric Pressure Transducer	Continuous	10 meters	Urban

 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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring	Spatial Scale
			Objective	
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	SPM	N/A
Ozone	Instrumental Ultraviolet	Continuous	SPM	N/A
PM _{2.5} Real Time	Synchronized Hybrid Ambient	Continuous	SPM	N/A
	Real Time Particulate Monitor			

Parameter	Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban

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 County: Tooele

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - High Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Synchronized Hybrid Ambient	Continuous	Air Quality Index	SLAMS - Population Neighborhood
	Real Time Particulate Monitor			

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Relative Humidity	Electronic Thin Film	Continuous	3 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban

 Site:
 Escalante (ES)
 Longitude:
 -111.614722
 Station Type:
 SPM

 AQS#:
 49-017-0006
 Latitude:
 37.775556
 MSA:
 N/A

Address: 755 West Main Elevation (m): 1789

City: Escalante County: Garfield

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	Regional

Site: Harrisville (HV) Longitude: -111.9865 Station SLAMS

AQS#: 49-057-1003 Latitude: 41.3028 MSA: Ogden-Clearfield

Address: 425 West 2550 North Elevation (m): 1331

City: Harrisville County: Weber

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Urban

Site: Hawthorne (HW) Longitude: -111.8721 Station Type: SLAMS

AQS#: 49-035-3006 **Latitude:** 40.7343 **MSA:** Salt Lake City

Address: 1675 South 600 East Elevation (m): 1306

City: Salt Lake City
County: Salt Lake

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ammonia	Manual NADP AMoN	Integrated 14 days	Population Exposure	SPM - Transport Regional
Trace Carbon Monoxide	Instrumental Gas Phase Correlation	Continuous	Population Exposure	SLAMS - High Neighborhood
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - High Neighborhood
Trace Nitrogen Dioxide	Instrumental Photolysis	Continuous	Population Exposure	SLAMS - High Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - High Neighborhood
Trace NO _y	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
Trace Sulfur Dioxide	Pulsed Fluorescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Speciation	Manual EPA CSN	1 in 3 days	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time NCORE	Synchronized Ambient Real Time Particulate Monitor	Continuous	Air Pollution Index	SLAMS - Population Neighborhood
PM_{10}	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM_{coarse}	Manual Gravimetric Subtraction	Daily	Population Exposure	SLAMS - Population Neighborhood
Organic & Elemental Carbon	NIDR	Continuous	Population Exposure	SLAMS - Population Neighborhood
PAMS C2 to C12	Instrumental Gas Chromatography	Continuous	Ozone Modeling Input	Population Neighborhood
Visibility	Instrumented	Continuous	Public Information	Population Neighborhood

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Pressure	Barometric Pressure Transducer	Continuous	3 meters	Urban
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Solar Radiation	Electronic EPPLY	Continuous	4 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban
Mix Layer Height	Atmospheric Lidar	Continuous	10 meters	Urban
(MXLH)				

Site: Herriman #3 (H3) Longitude: -112.036305 Station Type: SLAMS

AQS#: 49-035-3012 **Latitude:** 40.496408 **MSA:** Salt Lake City

Address: 14058 Mirabella Drive Elevation (m): 1534

City: Herriman
County: Salt Lake

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Synchronized Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - Population Neighborhood
PM_{10}	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM ₁₀ Real Time	Synchronized Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - Population Neighborhood

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Instrumental/Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
Wind Speed	Instrumental/Electronic Chopped Signal	Continuous	10 meters	Urban
Barometric Pressure	Pressure Transducer	Continuous	10 meters	Urban
Relative Humidity	Instrumental/Electronic Thin Film	Continuous	10 meters	Urban

Site:Hurricane (HC)Longitude:-113.3051Station Type:SLAMSAQS#:49-053-0007Latitude:37.1791MSA: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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	High Winter Ozone Study	Regional
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	High Winter Ozone Study	Regional
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - Population Neighborhood

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Regional
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Regional
WD Sigma	Electronic EPA Method	Continuous	10 meters	Regional
Wind Speed	Electronic Chopped Signal Level	Continuous	10 meters	Regional
Barometric Pressure	Pressure Transducer	Continuous	2 meters	Regional

Site: Inland Port (IP) Longitude: -112.087717 Station Type: SLAMS

AQS#: 49-035-3016 **Latitude:** 40.807897 **MSA:** Salt Lake City

Address: 1480 N 8000 W Elevation (m): 1285.0 City: Salt Lake City

City: Salt Lake C
County: Salt Lake

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:

Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Instrumental Ultraviolet	Continuous	High Winter Ozone Study	Regional
Instrumental Chemiluminescence	Continuous	High Winter Ozone Study	Regional
Synchronized Hybrid Ambient	Continuous	Air Quality Index	Regional
	Instrumental Ultraviolet Instrumental Chemiluminescence	Instrumental Ultraviolet Continuous Instrumental Chemiluminescence Synchronized Hybrid Ambient Continuous	Instrumental Ultraviolet Continuous High Winter Ozone Study Instrumental Chemiluminescence Continuous High Winter Ozone Study Synchronized Hybrid Ambient Continuous Air Quality Index

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Regional
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Regional
WD Sigma	Electronic EPA Method	Continuous	10 meters	Regional
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Regional
Ambient Pressure	Barometric Pressure Transducer	Continuous	10 meters	Regional

 Site:
 Lindon (LN)
 Longitude:
 -111.7133
 Station Type:
 SLAMS

 AQS#:
 49-049-4001
 Latitude:
 40.3396
 MSA:
 Provo - Orem

Address: 50 North Main Elevation (m): 1442

City: Lindon County: Utah

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:

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

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - High Neighborhood
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Population Neighborhood
PM_{10}	Manual Gravimetric	Daily	Population Exposure	SLAMS - High Neighborhood
Sulfur Dioxide	Pulsed Fluorescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood
Nitrogen Dioxide	Instrumental	Continuous	Population Exposure	SLAMS - High Neighborhood
	Chemiluminescence			

Parameter	Sampling &	Operating	Tower	Spatial
	Analysis Method	Schedule	Height	Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Urban

Site: Near Road (NR) Longitude: -111.9011881 Station Type: SLAMS

AQS#: 49-035-4002 **Latitude:** 40.662878 **MSA:** Salt Lake City

Address: 4951 South Galleria Dr Elevation (m): 1295

City: Murray
County: Salt Lake

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	Population Exposure	SLAMS - Population Neighborhood
Carbon Monoxide Trace	Instrumental Gas Phase Correlation	Continuous	Population Exposure	SLAMS -Population Neighborhood
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Population Exposure	SLAMS - Population Neighborhood
Sulfur Dioxide	Pulsed Fluorescence	Continuous	Population Exposure	SLAMS - Population Neighborhood

 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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	High Ozone Winter Study	Regional
Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	High Ozone Winter Study	Regional

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
		Schedule		
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Regional
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Regional
WD Sigma	Electronic EPA Method	Continuous	10 meters	Regional
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Regional
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Regional

Site:Roosevelt (RS)Longitude:-110.009Station Type:SPMAQS#:49-013-0002Latitude:40.2941MSA:N/A

Address: 290 South 1000 West Elevation (m): 1588

City: Roosevelt County: Duchesne

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:

Parameter	Sampling & Analysis Method	Operating Schedule	Monitoring Objective	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	High Ozone Winter Study	Regional
Trace Nitrogen Dioxide	Instrumental Chemiluminescence	Continuous	High Ozone Winter Study	Regional
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Population Exposure	Regional
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor, Collocated	Continuous	Population Exposure	Regional

${\bf Meteorological\ Parameters:}$

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Sonic Method	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Sonic Method	Continuous	10 meters	Urban
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	2 meters	Urban
Temperature Difference	Math Channel	Continuous	10-2 meters	Urban

Site: Rose Park (RP) Longitude: -111.9309 Station Type: SLAMS

AQS#: 49-035-3010 **Latitude:** 40.7955 **MSA:** Salt Lake City

Address: 1354 West Goodwin Avenue Elevation (m): 1295

City: Salt Lake City
County: Salt Lake

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:

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

Parameter	Sampling & Analysis	Operating	Tower Height	Spatial
	Method	Schedule		Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Urban
	Level 1			
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban

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

Parameter	Sampling & Analysis	Operating	Tower Height	Spatial Scale
	Method	Schedule		
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Solar Radiation	Electronic LiCor	Continuous	2 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Urban
	Level 1			

 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:

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

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Urban
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal Level 1	Continuous	10 meters	Urban

Site: Spanish Fork (SF) Longitude: -111.6603 Station Type: SLAMS

AQS#: 49-049-5010 **Latitude:** 40.1364 **MSA:** Provo - Orem

Address: 312 West 2050 North Elevation 1380

City: Spanish Fork

County: Utah

Site Objective:

This site is established to determine the boundary of the high ozone and PM_{2.5} 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:

Parameter	Sampling & Analysis	Operating	Monitoring	Spatial Scale
	Method	Schedule	Objective	
Ozone	Instrumental Ultraviolet	Continuous	Population Exposure	SLAMS - Population Neighborhood
Trace Nitrogen Dioxide	Instrumental	Continuous	Population Exposure	SLAMS - Population Neighborhood
	Chemiluminescence			
$PM_{2.5}$	Manual Gravimetric	Daily	Population Exposure	SLAMS - Transport Regional
PM _{2.5} Real Time	Continuous Gravimetric	Continuous	Air Quality Index	SLAMS - Transport Regional

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Urban
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Urban
WD Sigma	Electronic EPA Method	Continuous	10 meters	Urban
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Urban

Site: Vernal #4 (V4) Longitude: -109.560733 Station SLAMS

AQS#: 49-047-1003 **Latitude:** 40.464971 **MSA:** NA

Address: 628 North 1700 West Elevation (m): 1667

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

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Ozone	Instrumental Ultraviolet	Continuous	High Winter Ozone Study	Regional
Trace Nitrogen	Instrumental	Continuous	High Winter Ozone Study	Regional
Dioxide	Chemiluminescence			
PM _{2.5} Real Time	Synchronized Hybrid Ambient Real Time Particulate Monitor	Continuous	Air Quality Index	SLAMS - Population Neighborhood

Meteorological Parameters:

Parameter	Sampling & Analysis Method	Operating Schedule	Tower Height	Spatial Scale
Relative Humidity	Electronic Thin Film	Continuous	10 meters	Regional
Ambient Temperature	Electronic Resistance	Continuous	10 meters	Regional
Wind Direction	Electronic Resistance Level 1	Continuous	10 meters	Regional
WD Sigma	Electronic EPA Method	Continuous	10 meters	Regional
Wind Speed	Electronic Chopped Signal	Continuous	10 meters	Regional
	Level 1			
Barometric Pressure	Pressure Transducer	Continuous	2 meters	Regional

Type: