Protecting the air we share
Air Quality
CLARK COUNTY • DEPARTMENT OF AIR QUALITY
4701 W. Russell Road Suite 200 • Las Vegas, NV 89118-2231
(702) 455-5942 • Fax (702) 383-9994
Marci Henson Director

February 10, 2016

Jared Blumenfeld, Regional Administrator
Region 9
Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105

E-mail: blumenfeld.jared@epa.gov

Re: Annual Data Certification

Dear Mr. Blumenfeld:

This letter is intended to satisfy the monitoring data subject to certification for State and Local Air Monitoring Stations (SLAMS) that meet criteria in 40 CFR 58 Appendix A from January 1, 2015, to December 31, 2015.

Attached are the following reports generated by AQS (Air Quality System):

- AMP600 (Data Certification Report)
- AMP450NC (Quick Look All Parameters; Non-Criteria Parameters)

Certification

The ambient concentration data and the quality control (QC) and quality assurance (QA) data have been submitted to AQS by Primary Quality Assurance Organization (PQAO) 0226 Clark County, Nevada, Department of Air Quality (DAQ). After reasonable inquiry and review of the attached reports, DAQ certifies that all of the ambient data requested for certification are accurate and meet criteria 40 CFR 58 Appendix A. Additionally, DAQ certifies that the 2015 ambient concentration data are representative of the sampled ambient conditions, taking into consideration the QA findings.

Non-Regulatory and Special Purpose Ozone Monitoring

Ozone parameter 44201 at Spring Mountain Youth Camp (AQS site 32-003-7771) was operated as Non-Regulatory, and Ozone parameter 44201 at Logandale (AQS site 32-003-7780) was operated as a Special Purpose Monitor (SPM). These ozone parameters do not meet requirements of 40 CFR Part 58 Appendix A. DAQ is excluding Non-Regulatory and SPM monitors from this certification.

Speciation

Chemical analyses of the $PM_{2.5}$ speciation samples and data submittal of those samples to AQS were performed by Research Triangle Institute (RTI); the analyses have now transitioned to

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University of California, Davis. Data review has been completed by DAQ. Speciation ambient data are accurate to the best of DAQ's knowledge.

Lead
Chemical analysis and QA of the ambient air lead samples were performed by RTI; the analysis and QA have now transitioned to Eastern Research Group (ERG). Field operations and data review have been completed, and DAQ submitted these data to AQS. Lead ambient data are accurate to the best of DAQ's knowledge.

Las Vegas Tribe of Paiute Indians
Because the Las Vegas Paiute Tribe's reservation is geographically within Clark County, Nevada, data from the Las Vegas Paiute Tribe are automatically generated into AQS reports for the Clark County jurisdiction. The Las Vegas Paiute Tribe, however, is a separate PQAO than DAQ, and DAQ does not certify their data.

Should you have any questions related to the above matters, please contact Phillip Wiker, Monitoring Manager, at (702) 455- 1603.

Sincerely,

Marci Henson, Director

Attachments:
1. AMP600
2. AMP450NC

cc:
Deborah Jordan, Air Division Director, US EPA Region 9
Meredith Kurpius, Air Quality Analysis Office Manager, US EPA Region 9
Jennifer Williams, US EPA Region 9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: HZU

CERTIFICATION EVALUATION AND CONCURRENCE

Report Request ID: 1409331 Report Code: AMP600 Feb. 3, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	32	003									

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
CRITERIA			

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
AGENCY ROLE	CERTIFYING

DATE CRITERIA

Start Date	End Date
2015	2015

Data Evaluation and Concurrence Report Summary

Certification Year: 2015
Certifying Agency (CA): Clark County, NV DAQEM (0226)

Pollutants in Report:

Parameter Name	Code	Monitors Evaluated	Monitors Recommended for Concurrence by AQS	Monitors NOT Recommended for Concurrence by AQS
Carbon monoxide	42101	3	3	0
Lead (TSP) LC	14129	1	0	1
Nitrogen dioxide (NO2)	42602	8	8	0
Ozone	44201	12	12	0
PM10 Total 0-10um STP	81102	9	9	0
PM2.5 - Local Conditions	88101	8	8	0
Sulfur dioxide	42401	1	1	0

PQAOs in Report:

PQAO Name	PQAO Code	TSA Date
Clark County, NV DAQEM	0226	07/28/09

Summary of 'N' flags for all pollutants:

PQAO	Parameter Code	AQS Site-ID	POC	AQS Recommended Flag	Cert. Agency Recommended Flag	Reason for AQS Recommendation
0226	14129	32-003-0540	1	N	Y	PQAO-Level Collocation criteria not met.

Signature of Monitoring Organization Representative: _____

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Clark County, NV DAQEM (0226)
Parameter Carbon monoxide (42101) (ppm)
PQAO Name Clark County, NV DAQEM (0226)
QAPP Approval Date 01/12/2015

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
32-003-0540	1	SLAMS	0.178	0.010	2.500	0	0	96	7.83	+6.65	96	- 7.64	100		Y	Y	Y	Y	S
32-003-0561	1	SLAMS	0.399	0.250	3.400	0	0	92	2.88	-3.37	100	3.86	100		Y	Y	Y	Y	S
32-003-2002	1	SLAMS	0.327	0.250	3.000	0	0	96	2.85	-3.33	96	8.35	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Clark County, NV DAQEM (0226)
Parameter Nitrogen dioxide (NO2) (42602) (ppb)
PQAO Name Clark County, NV DAQEM (0226)
QAPP Approval Date 01/12/2015

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
32-003-0075	1	SLAMS	9.2	0.0	46.5		0	86	4.22	+/-3.46	100	16.26	100		Y	Y	Y	Y	S
32-003-0075	2	SLAMS	8.0	0.3	41.3		0	98	2.12	-9.55	100	- 7.50	100		Y	Y	Y	Y	S
32-003-0561	1	SLAMS	13.3	- 2.6	57.0		0	90	5.64	-10.14	95	- 1.08	100		Y	Y	Y	Y	S
32-003-0561	2	SLAMS	16.4	1.2	58.1		0	98	4.93	-10.80	100	- 4.37	100		Y	Y	Y	Y	S
32-003-1501	1	SLAMS	21.2	1.5	56.4		0	90	1.84	-2.07	100	3.78	100		Y	Y	Y	Y	S
32-003-1501	2	SLAMS	26.0	1.4	71.1		0	96	3.60	-11.55	100	5.13	100		Y	Y	Y	Y	S
32-003-2002	1	SLAMS	13.2	- 2.6	59.5		0	87	5.22	-5.76	81	7.90	100		Y	Y	Y	Y	S
32-003-2002	2	SLAMS	17.4	0.0	55.0		0	93	3.81	-9.03	100	- 1.99	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Clark County, NV DAQEM (0226)
Parameter Ozone (44201) (ppm)
PQAO Name Clark County, NV DAQEM (0226)
QAPP Approval Date 01/12/2015

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
32-003-0022	1	SLAMS	0.053	0.027	0.086	0	0	98	2.81	-2.98	100	1.85	100		Y	Y	Y	Y	S
32-003-0043	1	SLAMS	0.051	0.015	0.083	0	0	98	3.57	-2.61	100	- 2.15	100		Y	Y	Y	Y	S
32-003-0071	1	SLAMS	0.050	0.016	0.084	0	0	96	2.28	+/-1.84	100	- 3.22	100		Y	Y	Y	Y	S
32-003-0073	1	SLAMS	0.052	0.024	0.087	0	0	99	1.78	+/-1.34	100	- 2.71	100		Y	Y	Y	Y	S
32-003-0075	1	SLAMS	0.047	0.012	0.084	0	0	99	2.26	+/-2.03	100	- 0.42	100		Y	Y	Y	Y	S
32-003-0298	1	SLAMS	0.050	0.018	0.084	0	0	98	1.66	+/-1.50	100	- 2.03	100		Y	Y	Y	Y	S
32-003-0540	1	SLAMS	0.048	0.002	0.080	0	0	98	0.80	-1.39	92	- 0.31	100		Y	Y	Y	Y	S
32-003-0601	1	SLAMS	0.048	0.024	0.076	0	0	91	1.47	+/-1.15	100	0.83	100		Y	Y	Y	Y	S
32-003-1019	1	SLAMS	0.051	0.027	0.081	0	0	98	2.55	+/-2.03	100	0.27	100		Y	Y	Y	Y	S
32-003-2002	1	SLAMS	0.049	0.007	0.088	0	0	96	2.60	-2.22	100	- 2.04	100		Y	Y	Y	Y	S
32-003-7772	1	SLAMS	0.052	0.026	0.085	0	0	97	0.70	+/-0.66	100	- 1.98	100		Y	Y	Y	Y	S
32-003-7780	4	SPM	0.053	0.030	0.079	0	0	98	1.59	+1.35	100	0.31	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Gaseous Pollutants

Certifying Year 2015
Certifying Agency Code Clark County, NV DAQEM (0226)
Parameter Sulfur dioxide (42401) (ppb)
PQAO Name Clark County, NV DAQEM (0226)
QAPP Approval Date

NPAP Audit Summary:

Number of Passed Audits	NPAP Bias	Criteria Met
		Y

AQS Site ID	POC	Monitor Type	Routine Data Mean	Min	Max	Exceed. Count	Outlier Count	Perc. Comp.	One Point Quality Check Precision	Bias	Complete	Annual PE Bias	Complete	NPAP Bias	PQAO Level Criteria	QAPP Appr.	Concur. Flag Aqs Rec Flag	CA Rec Flag	Epa Concur
32-003-0540	1	SLAMS	1.1	- 0.2	11.3		0	91	7.19	+/-5.96	100	- 8.13	100		Y	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Clark County, NV DAQEM (0226)

Parameter: PM10 Total 0-10um STP (81102) CONTINUOUS
PQAO Name: Clark County, NV DAQEM (0226)
Quality Assurance Project Plan Approval Date: 01/12/2015

Monitors Summaries

			Routine Data (ug/m3)						Flow Rate Verification		Flow Rate Audit			Collocation Concurrence Flag		
AQS Site ID	POC	Monitor Type	Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Bias	% Complete	Bias	% Complete	QAPP Appr.	AQS Rec Flag	CA Rec Flag	EPA Concur
32-003-0043	1	SLAMS	18.99	2.0	619.0	0		98	+/-0.85	100	+0.01	100	Y	Y	Y	S
32-003-0073	1	SLAMS	14.58	2.0	702.0	0		97	+/-0.71	100	-0.68	100	Y	Y	Y	S
32-003-0075	1	SLAMS	20.10	2.0	908.0	0		93	+/-2.19	100	+0.10	100	Y	Y	Y	S
32-003-0298	1	SLAMS	17.92	2.0	633.0	0		87	+/-1.11	100	+0.46	100	Y	Y	Y	S
32-003-0540	3	SLAMS	25.36	2.0	908.0	0		94	+/-1.50	92	+0.65	100	Y	Y	Y	S
32-003-0561	1	SLAMS	23.39	2.0	829.0	0		97	+/-2.14	100	-1.43	100	Y	Y	Y	S
32-003-0601	1	SLAMS	12.34	2.0	837.0	0		91	-1.40	100	-0.54	100	Y	Y	Y	S
32-003-1019	1	SLAMS	11.17	2.0	487.0	0		98	+/-1.18	100	-0.06	100	Y	Y	Y	S
32-003-2002	1	SLAMS	22.55	2.0	817.0	0		93	+/-0.64	100	+0.33	100	Y	Y	Y	S

Data Evaluation and Concurrence Report for Particulate Matter

Certifying Year: 2015
Certifying Agency: Clark County, NV DAQEM (0226)

Parameter: PM2.5 - Local Conditions (88101)
PQAO Name: Clark County, NV DAQEM (0226)
Quality Assurance Project Plan Approval Date: 01/12/2015

Collocation Summary

Method	# Sites	# Sites Req	# Sites Collocated	% Collocated	CV Est	CV UB	Criteria Met?
145	1	1	1	100	20.34	23.71	Y
183	4	1	1	100	15.43	17.02	Y

PEP Summary

# Methods	# Audited Methods	# PEP Required	# PEP Submitted	% Complete	Bias	Criteria Met?
2	0	5	0	0		Y

Monitors Summaries

AQS Site ID	POC	Method	Monitor Type	Routine Data (ug/m3) Mean	Min	Max	Exceed. Count	Outlier Count	% Complete	Flow Rate Audit Bias	% Complete	Collocation CV	% Complete	PQAO Crit. Met	PEP PQAO Crit. Met	QAPP Appr.	Concurrence Flag AQS Rec Flag	CA Rec Flag	EPA Concur
32-003-0298	3	183	SLAMS	6.48	.0	72.5		0	96	+0.93	100			Y	Y	Y	Y	Y	S
32-003-0540	1	145	SLAMS	8.01	1.3	23.3		0	89	-0.27	100	23.71	100	Y	Y	Y	Y	Y	S
32-003-0540	2	145	SLAMS	6.91	1.0	19.0		0	93	+2.64	100			Y	Y	Y	Y	Y	S
32-003-0540	3	170	SLAMS	9.31	-9.6	137.8		0	94	+1.61	100			Y	Y	Y	Y	Y	S
32-003-0561	1	145	SLAMS	6.95	.7	29.0		0	94	-0.47	100			Y	Y	Y	Y	Y	S
32-003-0561	3	183	SLAMS	9.78	.0	109.5		0	96	+0.55	100	17.02	100	Y	Y	Y	Y	Y	S
32-003-1019	3	183	SLAMS	4.93	-9.0	85.3		0	98	+0.52	100			Y	Y	Y	Y	Y	S
32-003-2002	3	183	SLAMS	9.29	-.1	299.8		0	95	+0.28	100			Y	Y	Y	Y	Y	S

Data Concurrence and Evaluation Report for Lead

Certification Year 2015

Certifying Agency Name: Clark County, NV DAQEM (0226)

Lead (TSP) LC (14129)

PQAO Name: Clark County, NV DAQEM (0226)

Quality Assurance Project Plan Approval Date: 01/12/2015

Collocation Summary:

Number of Sites	Number of Colloc Sites Required	Number of Actual Colloc Sites	Percent Collocated	CV Est	CV UB	Criteria Met
1	1	0	0			N

PEP Summary

Number of Methods	Number of Methods Audited	Number of PEP Audits Required	Number of Audits Submitted	Percent Complete	Bias	Criteria Met
1	0	1	0	0		Y

Analysis Audit Summary:

Number Required	Number Submitted	Percent Complete	Bias	Criteria Met
24	24	100	-4.98	Y

Monitors Not Recommended for Certification

AQS Site-ID	POC	Monitor Type	Routine Data (ug/m^3) Mean	Min	Max	Exceed. Count	Outlier Count	Percent Comp.	Flow Rate Audit Bias	Percent Comp.	Collocation CV UB	Percent Comp.	PQAO Crit. Met	PEP PQAO Crit. Met	Lead Analysis Crit. Met	Certification QAPP Appr.	AQS Rec. V	CA Rec Value	EPA Concur
32-003-0540	1	SLAMS	0.003	0.000	0.021	0	0	98	+1.23	70			N	Y	Y	Y	N	Y	S

Submitter Comment: Collocation for Pb NCore sites is determined using the national network.

EPA Comment:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: HZU

QUICKLOOK ALL PARAMETERS

Report Request ID: 1409342 Report Code: AMP450NC Feb. 3, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	32	003									

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
ALL			

SELECTED OPTIONS

Option Type	Option Value
MERGE PDF FILES	YES
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	POC
6	DATES
7	EDT_ID

DATE CRITERIA

Start Date	End Date
2015	2015

APPLICABLE STANDARDS

Standard Description
CO 8-hour 1971
Lead 3-Month 2009
Lead 3-Month PM10 Surrogate 2009
Lead Quarterly 1978
NO2 Annual 1971
Ozone 8-Hour 2008
PM10 24-hour 2006
PM25 24-hour 2013
SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 3, 2016

EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-0022	City: Not in a city	County: Clark						Address: NE OF CITY-12101 HWY 93/I15							
44201	Ozone	Parts per million	1	0226	2015	087	6487	.083	.075	.074	.072	.0486*	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	6117	31.6	30.4	29.4	29.4	6.99	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	6117	360	360	360	360	174.0	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	6586	109	109	109	109	73.7	1 HOUR		0
Site ID: 32-003-0023	City: Mesquite	County: Clark						Address: 465 E. OLD MILL ROAD, MESQUITE, NV							
44201	Ozone	Parts per million	1	0226	2015	087	6498	.073	.068	.066	.065	.0425*	8-HR RUN AVG BEGIN HOUR		0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	6595	17.1	15.0	14.8	14.7	2.64	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	6595	360	360	360	359	166.9	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	6595	112	112	112	112	73.2	1 HOUR		0
Site ID: 32-003-0043	City: Spring Valley	County: Clark						Address: 4525 NEW FOREST DRIVE							
44201	Ozone	Parts per million	1	0226	2015	087	8663	.076	.075	.073	.073	.0463	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	7889	21.1	19.7	19.4	18.1	3.88	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	7889	360	360	360	360	199.3	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	7890	108	108	107	107	71.3	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	7891	944	944	944	944	928.8	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	271	103	69	51	41	18.5*	24-HR BLK AVG	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	6488	619	375	346	301	19.0*	1 HOUR	S	0
Site ID: 32-003-0071	City: Las Vegas	County: Clark						Address: 7701 DUCHARME AVE							
44201	Ozone	Parts per million	1	0226	2015	087	7953	.073	.072	.069	.068	.0448	8-HR RUN AVG BEGIN HOUR	S	0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	5908	18.0	16.9	16.2	16.2	4.22	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	5908	360	360	360	360	211.8	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8011	108	108	107	107	70.8	1 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-0071 City: Las Vegas			County: Clark					Address: 7701 DUCHARME AVE							
64101	Barometric pressure	Millibars	1	0226	2015	011	8560	942	942	941	941	925.8	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	204	57	39	36	34	15.7*	24-HR BLK AVG		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	4956	391	353	335	262	16.4*	1 HOUR		0
Site ID: 32-003-0073 City: Las Vegas			County: Clark					Address: 333 PAVILION CENTER DRIVE							
44201	Ozone	Parts per million	1	0226	2015	087	8666	.074	.073	.073	.072	.0466	8-HR RUN AVG BEGIN HOUR	S	0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8139	23.1	20.6	20.2	20.1	4.37	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8139	360	360	360	360	202.3	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8348	106	105	105	105	67.8	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8328	924	924	923	923	908.9	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	358	110	63	44	38	14.1	24-HR BLK AVG	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8559	702	546	395	287	14.6	1 HOUR	S	0
Site ID: 32-003-0075 City: Las Vegas			County: Clark					Address: 6651 W. AZURE AVE							
42601	Nitric oxide (NO)	Parts per billion	1	0226	2015	099	6306	71.7	70.5	56.7	49.9	2.36	1 HOUR		0
42602	Nitrogen dioxide (NO2)	Parts per billion	1	0226	2015	099	6069	46.5	45.2	45.0	44.9	9.19*	1 HOUR	S	0
42602	Nitrogen dioxide (NO2)	Parts per billion	2	0226	2015	212	2168	41.3	40.8	40.4	40.2	8.02*	1 HOUR	S	0
42603	Oxides of nitrogen (NOx)	Parts per billion	1	0226	2015	099	6373	109.5	105.1	83.2	82.4	9.68	1 HOUR		0
44201	Ozone	Parts per million	1	0226	2015	087	8713	.073	.073	.071	.071	.0419	8-HR RUN AVG BEGIN HOUR	S	0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8747	21.7	20.5	20.4	20.3	4.86	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8747	360	360	360	360	215.1	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8747	109	109	108	108	69.5	1 HOUR		0
62201	Relative Humidity	Percent relative humidity	1	0226	2015	020	8747	100	100	99	99	31.2	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8747	949	949	949	949	933.4	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	342	158	82	73	69	19.7	24-HR BLK AVG	S	5

Note: The * indicates that the mean does not satisfy summary criteria.

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-0075	City: Las Vegas	County: Clark						Address: 6651 W. AZURE AVE							
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8230	908	885	718	628	20.1	1 HOUR	S	5
Site ID: 32-003-0298	City: Henderson	County: Clark						Address: 298 ARROYO GRANDE							
44201	Ozone	Parts per million	1	0226	2015	087	5035	.077	.075	.070	.070	.0445*	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	4693	20.6	18.2	17.8	17.7	4.22	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	4693	360	360	359	359	202.2	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	4693	111	111	110	110	75.0	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	4686	964	964	964	964	947.7	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	4462	633	552	193	178	17.9*	1 HOUR	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	185	81	43	43	39	17.4*	24-HR BLK AVG	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	4929	72.5	64.3	60.2	50.3	6.48*	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	205	14.4	13.5	12.9	12.7	6.43*	24-HR BLK AVG	S	0
Site ID: 32-003-0540	City: Sunrise Manor	County: Clark						Address: 4250 Karen Ave							
14129	Lead (TSP) LC	Micrograms/cubic meter (LC)	1	0226	2015	191	59	.021	.016	.009	.008	.0032	24 HOUR	S	0
42101	Carbon monoxide	Parts per million	1	0226	2015	593	8488	2.2	2.2	2.2	2.1	.17	8-HR RUN AVG END HOUR	S	0
42401	Sulfur dioxide	Parts per billion	1	0226	2015	600	7934	11.3	8.2	7.1	6.7	2.48	1 HOUR	S	0
42406	SO2 max 5-min avg	Parts per billion	1	0226	2015	600	8111	79.6	75.5	32.0	23.3	1.49	1 HOUR		0
42600	Reactive oxides of nitrogen (NOy)	Parts per billion	1	0226	2015	699	8249	307.8	279.1	277.7	268.0	33.73	1 HOUR		0
42601	Nitric oxide (NO)	Parts per billion	1	0226	2015	699	7653	264.5	233.6	233.2	227.1	20.36	1 HOUR		0
44201	Ozone	Parts per million	1	0226	2015	087	8685	.076	.073	.070	.069	.0428	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8736	18.7	18.6	18.5	18.3	3.64	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8736	360	360	360	360	196.8	1 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

Site ID: 32-003-0540 City: Sunrise Manor County: Clark Address: 4250 Karen Ave

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8737	112	111	111	111	71.7	1 HOUR		0
62201	Relative Humidity	Percent relative humidity	1	0226	2015	020	8737	99	98	98	98	32.3	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8733	965	964	964	964	946.8	1 HOUR		0
65102	Rain/melt precipitation	Inches (rainfall)	1	0226	2015	011	8739	.23	.23	.18	.15	.000	1 HOUR		0
68101	Sample Flow Rate- CV	Percent	1	0226	2015	780	108	1.9	1.9	1.9	1.8	.51	24 HOUR		0
68101	Sample Flow Rate- CV	Percent	2	0226	2015	780	56	.2	.2	.2	.2	.12	24 HOUR		0
68102	Sample Volume	Cubic meter	1	0226	2015	780	108	24.1	24.1	24.1	24.1	23.83	24 HOUR		0
68102	Sample Volume	Cubic meter	2	0226	2015	780	56	24.1	24.1	24.1	24.1	24.03	24 HOUR		0
68103	Ambient Min Temperature	Degrees Centigrade	1	0226	2015	780	108	33.2	31.8	28.8	28.2	14.70	24 HOUR		0
68103	Ambient Min Temperature	Degrees Centigrade	2	0226	2015	780	56	32.3	30.0	28.5	27.8	16.60	24 HOUR		0
68103	Ambient Min Temperature	Degrees Centigrade	5	0226	2015	810	76	31.7	29.6	28.7	27.8	17.37*	24 HOUR		0
68104	Ambient Max Temperature	Degrees Centigrade	1	0226	2015	780	108	47.4	45.4	44.3	43.8	28.99	24 HOUR		0
68104	Ambient Max Temperature	Degrees Centigrade	2	0226	2015	780	56	45.4	44.2	43.3	43.3	30.91	24 HOUR		0
68104	Ambient Max Temperature	Degrees Centigrade	5	0226	2015	810	76	44.9	43.8	43.8	42.9	31.45*	24 HOUR		0
68105	Ambient Temperature	Degrees Centigrade	1	0226	2015	780	108	39.9	39.7	37.0	36.7	21.71	24 HOUR		0
68105	Ambient Temperature	Degrees Centigrade	2	0226	2015	780	56	38.9	36.4	35.8	35.5	23.85	24 HOUR		0
68105	Ambient Temperature	Degrees Centigrade	5	0226	2015	810	76	38.7	37.0	35.7	35.3	24.67*	24 HOUR		0
68106	Sample Min Baro Pressure	Millimeters (mercury)	1	0226	2015	780	108	721	720	719	718	709.7	24 HOUR		0
68106	Sample Min Baro Pressure	Millimeters (mercury)	2	0226	2015	780	56	720	718	716	716	707.7	24 HOUR		0
68106	Sample Min Baro Pressure	Millimeters (mercury)	5	0226	2015	810	77	721	720	719	719	709.4*	24 HOUR		0
68107	Sample Max Baro Pressure	Millimeters (mercury)	1	0226	2015	780	108	726	726	725	724	715.2	24 HOUR		0
68107	Sample Max Baro Pressure	Millimeters (mercury)	2	0226	2015	780	56	725	723	721	720	712.7	24 HOUR		0
68107	Sample Max Baro Pressure	Millimeters (mercury)	5	0226	2015	810	77	725	725	723	723	713.6*	24 HOUR		0
68108	Sample Baro Pressure	Millimeters (mercury)	1	0226	2015	780	108	723	723	722	721	712.5	24 HOUR		0
68108	Sample Baro Pressure	Millimeters (mercury)	2	0226	2015	780	56	722	720	719	718	710.3	24 HOUR		0
68108	Sample Baro Pressure	Millimeters (mercury)	5	0226	2015	810	77	722	722	721	720	711.1*	24 HOUR		0
68109	Elapsed Sample Time	Minutes	1	0226	2015	780	108	1440	1440	1440	1440	1439.3	24 HOUR		0
68109	Elapsed Sample Time	Minutes	2	0226	2015	780	56	1440	1440	1440	1440	1439.3	24 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	3	0226	2015	122	8269	908	698	331	312	25.4	1 HOUR	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	3	0226	2015	122	339	93	87	78	77	24.8	24-HR BLK AVG	S	0
85101	PM10 - LC	Micrograms/cubic meter (LC)	3	0226	2015	122	8299	879	663	428	322	24.1	1 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

Site ID: 32-003-0540 City: Sunrise Manor County: Clark Address: 4250 Karen Ave

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
86101	PM10-2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	185	8182	800.5	629.2	422.7	285.6	15.55	1 HOUR		0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	0226	2015	145	108	23.3	23.2	22.0	20.3	8.01	24 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	2	0226	2015	145	56	19.0	17.7	17.1	16.1	6.91	24 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	170	8312	137.8	101.7	95.2	82.6	9.31	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	170	344	31.5	30.8	30.6	29.2	9.28	24-HR BLK AVG	S	0
88102	Antimony PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.091	.067	.054	.037	.0215*	24 HOUR		0
88103	Arsenic PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.002	.002	.002	.002	.0003*	24 HOUR		0
88104	Aluminum PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.410	.266	.218	.218	.0768*	24 HOUR		0
88107	Barium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.145	.082	.078	.074	.0206*	24 HOUR		0
88109	Bromine PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.013	.008	.008	.007	.0037*	24 HOUR		0
88110	Cadmium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.026	.013	.012	.008	.0017*	24 HOUR		0
88111	Calcium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.607	.450	.407	.387	.1880*	24 HOUR		0
88112	Chromium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.126	.012	.010	.006	.0027*	24 HOUR		0
88113	Cobalt PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.003	.002	.002	.002	.0009*	24 HOUR		0
88114	Copper PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.064	.027	.025	.021	.0063*	24 HOUR		0
88115	Chlorine PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.273	.232	.193	.126	.0449*	24 HOUR		0
88117	Cerium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.005	.005	.005	.005	.0042*	24 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

QUICKLOOK ALL PARAMETERS

Feb. 3, 2016

Site ID: 32-003-0540 City: Sunrise Manor County: Clark Address: 4250 Karen Ave

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
88118	Cesium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.044	.038	.033	.032	.0115*	24 HOUR		0
88126	Iron PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.491	.402	.357	.287	.1368*	24 HOUR		0
88128	Lead PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.004	.004	.003	.003	.0006*	24 HOUR		0
88131	Indium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.023	.017	.017	.017	.0099*	24 HOUR		0
88132	Manganese PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.008	.007	.007	.006	.0021*	24 HOUR		0
88136	Nickel PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.034	.013	.008	.004	.0013*	24 HOUR		0
88140	Magnesium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.258	.115	.104	.102	.0538*	24 HOUR		0
88152	Phosphorus PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.008	.008	.008	.008	.0063*	24 HOUR		0
88154	Selenium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.002	.001	.001	.001	.0010*	24 HOUR		0
88160	Tin PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.018	.018	.018	.018	.0116*	24 HOUR		0
88161	Titanium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.018	.018	.018	.015	.0066*	24 HOUR		0
88164	Vanadium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.004	.002	.002	.002	.0017*	24 HOUR		0
88165	Silicon PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.789	.566	.529	.497	.2219*	24 HOUR		0
88166	Silver PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.019	.019	.019	.019	.0082*	24 HOUR		0
88167	Zinc PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.026	.025	.023	.015	.0057*	24 HOUR		0
88168	Strontium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.051	.005	.005	.005	.0024*	24 HOUR		0
88169	Sulfur PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.792	.533	.506	.504	.2598*	24 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

Site ID: 32-003-0540 City: Sunrise Manor County: Clark Address: 4250 Karen Ave

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
88176	Rubidium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.003	.002	.002	.001	.0010*	24 HOUR		0
88180	Potassium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	2.230	.261	.257	.168	.0929*	24 HOUR		0
88184	Sodium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.440	.237	.227	.199	.0821*	24 HOUR		0
88185	Zirconium PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	811	77	.019	.016	.013	.012	.0043*	24 HOUR		0
88301	Ammonium Ion PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	812	77	1.18	.78	.73	.66	.264*	24 HOUR		0
88302	Sodium Ion Pm2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	812	77	1.08	.57	.46	.34	.133*	24 HOUR		0
88303	Potassium Ion PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	812	77	2.12	.55	.34	.22	.092*	24 HOUR		0
88306	Total Nitrate PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	812	77	4.49	3.64	2.87	2.70	.510*	24 HOUR		0
88355	OC CSN_Rev Unadjusted PM2.5 LC TOT	Micrograms/cubic meter (LC)	5	0226	2015	839	77	8.690	7.970	6.140	4.710	1.9024*	24 HOUR		0
88357	EC CSN_Rev Unadjusted PM2.5 LC TOT	Micrograms/cubic meter (LC)	5	0226	2015	840	77	2.920	2.230	1.830	1.710	.4661*	24 HOUR		0
88370	OC CSN_Rev Unadjusted PM2.5 LC TOR	Micrograms/cubic meter (LC)	5	0226	2015	838	77	8.450	7.970	5.960	4.880	1.8404*	24 HOUR		0
88374	OC1 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	1.980	1.830	.794	.613	.1438*	24 HOUR		0
88375	OC2 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	2.210	1.900	1.680	1.260	.4378*	24 HOUR		0
88376	OC3 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	2.580	2.320	2.120	1.630	.6743*	24 HOUR		0
88377	OC4 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	1.230	1.170	1.150	1.000	.3959*	24 HOUR		0
88378	OP CSN_Rev Unadjusted PM2.5 LC TOR	Micrograms/cubic meter (LC)	5	0226	2015	842	77	.980	.645	.598	.426	.1886*	24 HOUR		0
88380	EC CSN_Rev Unadjusted PM2.5 LC TOR	Micrograms/cubic meter (LC)	5	0226	2015	831	77	3.100	2.230	2.070	1.750	.5278*	24 HOUR		0

Note: The * indicates that the mean does not satisfy summary criteria.

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-0540	City: Sunrise Manor	County: Clark						Address: 4250 Karen Ave							
88383	EC1 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	3.140	3.050	2.630	2.140	.6670*	24 HOUR		0
88384	EC2 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	.119	.111	.101	.088	.0492*	24 HOUR		0
88385	EC3 CSN_Rev Unadjusted PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	841	77	.012	.004	.004	.001	.0012*	24 HOUR		0
88388	OP CSN_Rev Unadjusted PM2.5 LC TOT	Micrograms/cubic meter (LC)	5	0226	2015	826	77	.980	.835	.530	.479	.2504*	24 HOUR		0
88403	Sulfate PM2.5 LC	Micrograms/cubic meter (LC)	5	0226	2015	812	77	2.64	2.17	1.64	1.50	.747*	24 HOUR		0
Site ID: 32-003-0561	City: Las Vegas	County: Clark						Address: 2501 SUNRISE AVENUE							
42101	Carbon monoxide	Parts per million	1	0226	2015	093	7976	2.8	2.7	2.7	2.6	.44	8-HR RUN AVG END HOUR	S	0
42601	Nitric oxide (NO)	Parts per billion	1	0226	2015	099	6759	264.1	254.1	248.3	241.0	14.84	1 HOUR		0
42602	Nitrogen dioxide (NO2)	Parts per billion	1	0226	2015	099	6388	57.0	56.6	55.6	54.9	13.34*	1 HOUR	S	0
42602	Nitrogen dioxide (NO2)	Parts per billion	2	0226	2015	212	4325	58.1	57.9	57.0	56.3	16.40*	1 HOUR	S	0
42603	Oxides of nitrogen (NOx)	Parts per billion	1	0226	2015	099	6573	288.7	288.2	273.4	270.7	28.13	1 HOUR		0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8750	21.1	20.2	19.8	18.9	3.58	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8750	360	360	360	360	187.9	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8750	112	111	111	111	71.8	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8747	966	966	966	965	948.4	1 HOUR		0
68101	Sample Flow Rate- CV	Percent	1	0226	2015	780	114	.1	.1	.1	.1	.05	24 HOUR		0
68102	Sample Volume	Cubic meter	1	0226	2015	780	114	24.1	24.1	24.1	24.1	24.10	24 HOUR		0
68103	Ambient Min Temperature	Degrees Centigrade	1	0226	2015	780	114	33.4	32.5	31.1	29.3	16.31	24 HOUR		0
68104	Ambient Max Temperature	Degrees Centigrade	1	0226	2015	780	114	47.5	47.0	46.4	46.0	30.79	24 HOUR		0
68105	Ambient Temperature	Degrees Centigrade	1	0226	2015	780	114	40.0	39.9	38.1	37.7	23.31	24 HOUR		0
68106	Sample Min Baro Pressure	Millimeters (mercury)	1	0226	2015	780	114	717	716	716	716	707.7	24 HOUR		0
68107	Sample Max Baro Pressure	Millimeters (mercury)	1	0226	2015	780	114	723	722	722	721	712.8	24 HOUR		0
68108	Sample Baro Pressure	Millimeters (mercury)	1	0226	2015	780	114	720	719	719	718	710.2	24 HOUR		0
68109	Elapsed Sample Time	Minutes	1	0226	2015	780	114	1440	1440	1440	1440	1439.7	24 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	354	127	75	72	64	23.0	24-HR BLK AVG	S	0

Note: The * indicates that the mean does not satisfy summary criteria.

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-0561	City: Las Vegas	County: Clark						Address: 2501 SUNRISE AVENUE							
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8499	829	672	396	245	23.4	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	0226	2015	145	114	29.0	20.8	20.4	17.1	6.95	24 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	8456	109.5	103.7	94.4	89.0	9.78	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	351	32.0	30.4	29.3	27.4	9.75	24-HR BLK AVG	S	0
Site ID: 32-003-0601	City: Boulder City	County: Clark						Address: 1005 INDUSTRIAL ROAD							
44201	Ozone	Parts per million	1	0226	2015	087	8005	.071	.070	.070	.068	.0447	8-HR RUN AVG BEGIN HOUR	S	0
64101	Barometric pressure	Millibars	1	0226	2015	011	8392	941	941	940	940	925.9	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	336	131	80	49	47	11.9	24-HR BLK AVG	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8059	837	805	379	262	12.3	1 HOUR	S	0
Site ID: 32-003-1019	City: Jean	County: Clark						Address: 1965 State Hwy 161, Jean, NV							
44201	Ozone	Parts per million	1	0226	2015	087	8702	.078	.072	.071	.069	.0478	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8583	28.7	25.3	24.9	24.7	6.47	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8583	360	360	360	359	205.7	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8753	106	105	104	104	66.1	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8742	925	925	924	924	910.9	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8666	487	454	271	263	11.2	1 HOUR	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	361	93	62	45	43	10.7	24-HR BLK AVG	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	8600	85.3	80.0	43.8	42.8	4.93	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	357	17.9	15.3	14.3	11.4	4.90	24-HR BLK AVG	S	0

Note: The * indicates that the mean does not satisfy summary criteria.

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-1501	City: Las Vegas	County: Clark						Address: 2755 South Rancho Drive							
42601	Nitric oxide (NO)	Parts per billion	1	0226	2015	099	2645	154.8	150.6	137.4	136.7	22.36	1 HOUR		0
42602	Nitrogen dioxide (NO2)	Parts per billion	1	0226	2015	099	2644	56.4	50.4	50.2	48.8	21.18*	1 HOUR	S	0
42602	Nitrogen dioxide (NO2)	Parts per billion	2	0226	2015	212	1153	71.1	57.0	56.4	54.0	25.98*	1 HOUR	S	0
42603	Oxides of nitrogen (NOx)	Parts per billion	1	0226	2015	099	2643	185.2	185.0	183.8	178.3	42.90	1 HOUR		0
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	3655	18.3	18.1	17.5	17.5	3.66	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	3655	360	360	360	360	199.5	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	3655	109	109	109	109	70.9	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	3536	954	954	952	952	937.2	1 HOUR		0
Site ID: 32-003-2002	City: North Las Vegas	County: Clark						Address: 1301B EAST TONOPAH							
42101	Carbon monoxide	Parts per million	1	0226	2015	093	8444	1.8	1.8	1.7	1.7	.37	8-HR RUN AVG END HOUR	S	0
42601	Nitric oxide (NO)	Parts per billion	1	0226	2015	099	6478	255.9	229.7	217.5	207.3	10.32	1 HOUR		0
42602	Nitrogen dioxide (NO2)	Parts per billion	1	0226	2015	099	6156	59.5	53.4	53.2	53.1	13.25*	1 HOUR	S	0
42602	Nitrogen dioxide (NO2)	Parts per billion	2	0226	2015	212	2045	55.0	53.8	52.6	51.7	17.36*	1 HOUR	S	0
42603	Oxides of nitrogen (NOx)	Parts per billion	1	0226	2015	099	6538	289.9	262.5	248.7	239.4	22.66	1 HOUR		0
44201	Ozone	Parts per million	1	0226	2015	087	8462	.077	.077	.073	.073	.0438	8-HR RUN AVG BEGIN HOUR	S	5
61103	Wind Speed - Resultant	Knots	1	0226	2015	061	8387	17.8	17.7	17.5	17.5	3.80	1 HOUR		0
61104	Wind Direction - Resultant	Degrees Compass	1	0226	2015	061	8385	360	360	360	360	190.5	1 HOUR		0
62101	Outdoor Temperature	Degrees Fahrenheit	2	0226	2015	040	8589	111	111	110	110	71.1	1 HOUR		0
62201	Relative Humidity	Percent relative humidity	1	0226	2015	020	8009	99	99	98	98	29.4	1 HOUR		0
64101	Barometric pressure	Millibars	1	0226	2015	011	8593	965	965	965	964	947.4	1 HOUR		0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	331	143	70	70	59	22.4	24-HR BLK AVG	S	0
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	0226	2015	150	8179	817	644	616	373	22.5	1 HOUR	S	0
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	344	37.6	27.7	23.2	22.3	9.21	24-HR BLK AVG	S	5
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	3	0226	2015	183	8351	299.8	184.6	168.6	128.0	9.29	1 HOUR	S	5

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM

QUICKLOOK ALL PARAMETERS

Feb. 3, 2016

Parameter		Unit	POC	PQAO	Year	Meth	# Obs	1st Max Value	2nd Max Value	3rd Max Value	4th Max Value	Arith. Mean	Duration	Cert& Eval	EDT
Site ID: 32-003-7772	City: Indian Springs	County: Clark						Address: 668 Gretta Ln, Indian Springs							
44201	Ozone	Parts per million	1	0226	2015	087	6540	.075	.072	.072	.070	.0476*	8-HR RUN AVG BEGIN HOUR	S	0
Site ID: 32-003-7780	City: Moapa Valley	County: Clark						Address: 3570 Lyman Street							
44201	Ozone	Parts per million	4	0226	2015	087	4694	.076	.070	.070	.066	.0491*	8-HR RUN AVG BEGIN HOUR	S	0
Site ID: 32-003-8000	City: Not in a city	County: Clark						Address: No Address							
81102	PM10 Total 0-10um STP	Micrograms/cubic meter (25 C)	1	648	2015	122	4313	974	238	225	200	16.2*	1 HOUR		5
88101	PM2.5 - Local Conditions	Micrograms/cubic meter (LC)	1	648	2015	170	4224	120.0	83.0	53.0	30.0	.57*	1 HOUR		5

Note: The * indicates that the mean does not satisfy summary criteria.

METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
14129	191	Hi-Vol	Inductively Coupled Plasma-Mass Spectrometry Acid filter extraction with nitric and hydrochloric acid
42101	093	INSTRUMENTAL	GAS FILTER CORRELATION CO ANALYZER
42101	593	INSTRUMENTAL	Gas Filter Correlation Teledyne API 300 EU
42401	600	Instrumental	Ultraviolet Fluorescence API 100 EU
42406	600	Instrumental	Ultraviolet Fluorescence API 100 EU
42600	699	Instrumental	Chemiluminescence Teledyne API 200 EU/501
42601	099	INSTRUMENTAL	GAS PHASE CHEMILUMINESCENCE
42601	699	Instrumental	Chemiluminescence Teledyne API 200 EU/501
42602	099	INSTRUMENTAL	GAS PHASE CHEMILUMINESCENCE
42602	212	Teledyne Model T500U	Cavity Attenuated Phase Shift Spectroscopy
42603	099	INSTRUMENTAL	GAS PHASE CHEMILUMINESCENCE
44201	087	INSTRUMENTAL	ULTRA VIOLET ABSORPTION
61103	061	Instrumental	Met One Sonic Anemometer Model 50.5
61104	061	Instrumental	Met One Sonic Anemometer Model 50.5
62101	040	INSTRUMENTAL	ELECTRONIC OR MACHINE AVG.
62201	020	INSTRUMENTAL	COMPUTED(INDIRECT)
64101	011	INSTRUMENTAL	ANEROID
65102	011	BUCKET	CONTINUOUS OR INCREMENTAL
68101	780	INSTRUMENTAL	Calculation
68102	780	INSTRUMENTAL	CALCULATION
68103	780	INSTRUMENTAL	ELECTRONIC
68103	810	Met One SASS	Electronic
68104	780	INSTRUMENTAL	ELECTRONIC
68104	810	Met One SASS	Electronic
68105	780	INSTRUMENTAL	ELECTRONIC
68105	810	Met One SASS	Electronic
68106	780	INSTRUMENTAL	BAROMETRIC SENSOR
68106	810	Met One SASS	Barometric Sensor
68107	780	INSTRUMENTAL	BAROMETRIC SENSOR
68107	810	Met One SASS	Barometric Sensor
68108	780	INSTRUMENTAL	BAROMETRIC SENSOR
68108	810	Met One SASS	Barometric Sensor
68109	780	INSTRUMENTAL	CALCULATION

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METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
81102	122	INSTRUMENT MET ONE 4 MODELS	BETA ATTENUATION
81102	150	T A Series FH 62 C14 Continuous	Beta Attenuation
85101	122	INSTRUMENT MET ONE 4 MODELS	BETA ATTENUATION
86101	185	Met One BAM-1020 System	Paired Beta Difference
88101	145	R & P Model 2025 PM-2.5 Sequential Air Sample	Gravimetric
88101	170	Met One BAM-1020 Mass Monitor w/VSCC	Beta Attenuation
88101	183	Thermo Scientific 5014i or FH62C14-DHS w/VSCC	Beta Attenuation
88102	811	Met One SASS Teflon	Energy dispersive XRF
88103	811	Met OneSASS Teflon	Energy dispersive XRF
88104	811	Met One SASS Teflon	Energy dispersive XRF
88107	811	Met One SASS Teflon	Energy dispersive XRF
88109	811	Met One SASS Teflon	Energy dispersive XRF
88110	811	Met One SASS Teflon	Energy dispersive XRF
88111	811	Met One SASS Teflon	Energy dispersive XRF
88112	811	Met One SASS Teflon	Energy dispersive XRF
88113	811	Met One SASS Teflon	Energy Dispersive XRF
88114	811	Met One SASS Teflon	Energy dispersive XRF
88115	811	Met One SASS Teflon	Energy Dispersive XRF
88117	811	Met One SASS Teflon	Energy Dispersive XRF
88118	811	Met One SASS Teflon	Energy Dispersive XRF
88126	811	Met One SASS Teflon	Energy Dispersive XRF
88128	811	Met One SASS Teflon	Energy Dispersive XRF
88131	811	Met One SASS Teflon	Energy Dispersive XRF
88132	811	Met One SASS Teflon	Energy Dispersive XRF
88136	811	Met One SASS Teflon	Energy Dispersive XRF
88140	811	Met One SASS Teflon	Energy Dispersive XRF
88152	811	Met One SASS Teflon	Energy Dispersive XRF
88154	811	Met One SASS Teflon	Energy Dispersive XRF
88160	811	Met One SASS Teflon	Energy Dispersive XRF
88161	811	Met One SASS Teflon	Energy Dispersive XRF
88164	811	Met One SASS Teflon	Energy Dispersive XRF
88165	811	Met One SASS Teflon	Energy Dispersive XRF
88166	811	Met One SASS Teflon	Energy Dispersive XRF
88167	811	Met One SASS Teflon	

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METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
			Energy Dispersive XRF
88168	811	Met One SASS Teflon	Energy Dispersive XRF
88169	811	Met One SASS Teflon	Energy Dispersive XRF
88176	811	Met One SASS Teflon	Energy Dispersive XRF
88180	811	Met One SASS Teflon	Energy Dispersive XRF
88184	811	Met One SASS Teflon	Energy Dispersive XRF
88185	811	Met One SASS Teflon	Energy Dispersive XRF
88301	812	Met One SASS Nylon	Ion Chromatography
88302	812	Met One SASS Nylon	Ion Chromatography
88303	812	Met One SASS Nylon	Ion Chromatography
88306	812	Met One SASS Nylon	Ion Chromatography
88355	839	URG 3000N w/Pall Quartz filter and Cyclone In	OC1+OC2+OC3+OC4+(OP(TOT))=(88374+88375+88376+88377+88388)
88357	840	URG 3000N w/Pall Quartz filter and Cyclone In	EC1+EC2+EC3-(OP(TOT))=(88383+88384+88385-88388))
88370	838	URG 3000N w/Pall Quartz filter and Cyclone In	OC1+OC2+OC3+OC4+(OP(TOR))=(88374+88375+88376+88377+88378)
88374	841	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A
88375	841	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A
88376	841	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A
88377	841	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A
88378	842	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A TOR
88380	831	URG 3000N w/Pall Quartz filter and Cyclone In	EC1+EC2+EC3-(OP(TOR))=(88383+88384+88385-88378))
88383	841	URG 3000N w/Pall Quartz filter adn Cyclone In	IMPROVE_A
88384	841	URG 3000N w/Pall Quartz filter adn Cyclone In	IMPROVE_A
88385	841	URG 3000N w/Pall Quartz filter adn Cyclone In	IMPROVE_A
88388	826	URG 3000N w/Pall Quartz filter and Cyclone In	IMPROVE_A TOT
88403	812	Met One SASS Nylon	Ion Chromatography

Note: The * indicates that the mean does not satisfy summary criteria.

PQAOS USED IN THIS REPORT

PQAO	AGENCY DESCRIPTION
0226	Clark County, NV DAQEM
648	Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, NV

Note: The * indicates that the mean does not satisfy summary criteria.

CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

FLAG	MEANING
M	The monitoring organization has revised data from this monitor since the most recent certification letter received from the state.
N	The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report.
S	The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag.
U	Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor.
X	Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value
Y	The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations).

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