

**APPENDIX A**  
**EXCEPTIONAL EVENT INITIAL NOTIFICATION**

**EE Initial Notification Summary Information**

**Submitting Agency:** Clark County Department of Environment and Sustainability

**Agency Contact:** Mike Sword, Planning Manager

**Date Submitted:** November 30, 2020

**Applicable NAAQS:** 2015 8-hour Ozone

**Affected Regulatory Decision:**<sup>1</sup> Attainment status

**Area Name/Designation Status:** Las Vegas Valley Nonattainment Area

**Design Value Period:** 2018-2020

**A) Information specific to each flagged site day that may be submitted to EPA in support of the affected regulatory decision listed above**

Date of Event	Type of Event	AQS Flag	Site AQS ID	Site Name	Exceedance Concentration (ppb)	Notes (e.g. event name, links to other events)
06/19/2018	Wildfire	RT	32-003-0298	Green Valley	77	Transport of smoke from the Planada Fire (CA) and Upper Colony Fire (NV) to Clark County. Green Valley and Jerome Mack recorded the fourth highest 8-hour average O3 in 2018.
		RT	32-003-0043	Paul Meyer	72	
		RT	32-003-0071	Walter Johnson	72	
06/20/2018	Wildfire	RT	32-003-0075	Joe Neal	72	This exceedance correlated with the June 19 event and was impacted by the Planada Fire (CA) and Upper Colony Fire (NV).
		RT	32-003-0043	Paul Meyer	71	
		RT	32-003-0071	Walter Johnson	74	
06/23/2018	Wildfire	RT	32-003-0298	Green Valley	75	Transport of smoke from the Jack Knife Fire (OR), Boxcar Fire (OR), Graham Fire (OR), Lions Fire (CA), and some additional fires in northern California. Walter Johnson recorded the fourth highest 8-hour average O3 in 2018.
		RT	32-003-0075	Joe Neal	72	
		RT	32-003-0043	Paul Meyer	72	
		RT	32-003-0071	Walter Johnson	76	
06/27/2018	Wildfire	RT	32-003-0298	Green Valley	78	Transport of smoke from the Lions Fire, Pawnee Fire, and Lane Fire in California, and some ongoing large fires in Oregon and Mexico. Green Valley recorded the highest 8-hour average O3 in 2018.
		RT	32-003-0075	Joe Neal	72	
		RT	32-003-0043	Paul Meyer	75	
		RT	32-003-0071	Walter Johnson	76	
07/14/2018	Wildfire	RT	32-003-0298	Green Valley	78	Transport of smoke from the Ferguson Fire (CA), Georges Fire (CA), Valley Fire (CA), Mohave Fire (CA), Mexico fires, and West Valley Fire (UT). Green Valley recorded the third highest 8-hour average O3 in 2018.
		RT	32-003-0043	Paul Meyer	72	

Exceptional Event Demonstration, Appendix A: Initial Notification

Date of Event	Type of Event	AQS Flag	Site AQS ID	Site Name	Exceedance Concentration (ppb)	Notes (e.g. event name, links to other events)
07/15/2018	Wildfire	RT	32-003-0298	Green Valley	73	This exceedance correlated with the July 14 event. Joe Neal recorded the second highest 8-hour average O3 in 2018.
		RT	32-003-0075	Joe Neal	78	
		RT	32-003-0071	Walter Johnson	71	
07/16/2018	Wildfire	RT	32-003-0298	Green Valley	71	This exceedance correlated with the July 14 event. Walter Johnson recorded the highest 8-hour average O3 in 2018.
		RT	32-003-0075	Joe Neal	80	
		RT	32-003-0043	Paul Meyer	75	
		RT	32-003-0071	Walter Johnson	79	
07/17/2018	Wildfire	RT	32-003-0043	Paul Meyer	74	This exceedance correlated with the July 14 event. Walter Johnson recorded the third highest 8-hour average O3 in 2018.
		RT	32-003-0071	Walter Johnson	77	
07/25/2018	Wildfire	RT	32-003-0298	Green Valley	72	Regional smoke created by the Ferguson Fire, Georges Fire, Lions Fire, and Cranston Fire in California, and additional fires in Mexico.
		RT	32-003-0043	Paul Meyer	71	
		RT	32-003-0071	Walter Johnson	72	
07/26/2018	Wildfire	RT	32-003-0298	Green Valley	77	This exceedance correlated with the July 25 event.
		RT	32-003-0043	Paul Meyer	72	
		RT	32-003-0071	Walter Johnson	75	
07/27/2018	Wildfire	RT	32-003-0075	Joe Neal	76	This exceedance correlated with the July 25 event. Joe Neal recorded the fourth highest 8-hour average O3 in 2018.
		RT	32-003-0043	Paul Meyer	72	
		RT	32-003-0071	Walter Johnson	74	
07/30/2018	Wildfire	RT	32-003-0298	Green Valley	73	Regional smoke created by the Carr Fire, Mendocino Complex Fire, Whaleback Fire, Ferguson Fire, Lions Fire, Georges Fire, and Cranston Fire in California.
07/31/2018	Wildfire	RT	32-003-0075	Joe Neal	73	This exceedance correlated with the July 30 event.
		RT	32-003-0071	Walter Johnson	73	
08/06/2018	Wildfire	RT	32-003-0298	Green Valley	74	Regional smoke created by the ongoing Carr Fire, Mendocino Complex Fire, Ferguson Fire, Lions Fire, and an additional new
		RT	32-003-0075	Joe Neal	76	

*Exceptional Event Demonstration, Appendix A: Initial Notification*

Date of Event	Type of Event	AQS Flag	Site AQS ID	Site Name	Exceedance Concentration (ppb)	Notes (e.g. event name, links to other events)
		RT	32-003-0043	Paul Meyer	79	fire, Donnell. Paul Meyer and Walter Johnson recorded the first and second highest 8-hour average O3 in 2018, respectively.
		RT	32-003-0071	Walter Johnson	77	
08/07/2018	Wildfire	RT	32-003-0298	Green Valley	72	This exceedance correlated with the August 6 event.
		RT	32-003-0075	Joe Neal	74	
		RT	32-003-0043	Paul Meyer	73	
		RT	32-003-0071	Walter Johnson	74	
05/06/2020	Stratospheric Intrusion	RO	32-003-0298	Green Valley	72	An upper-level, ozone-rich air mass was observed to the west of Clark County in the days leading up to this event. Descending transport was observed between the upper-level air mass and monitoring sites in Clark County.
		RO	32-003-0075	Joe Neal	76	
		RO	32-003-0043	Paul Meyer	77	
		RO	32-003-0071	Walter Johnson	78	
05/09/2020	Stratospheric Intrusion	RT	32-003-0043	Paul Meyer	74	An upper-level, ozone-rich air mass was observed to the southwest of Clark County in the days leading up to this event. Transport was observed between the upper-level air mass and monitoring sites in Clark County.
		RT	32-003-0071	Walter Johnson	71	
05/28/2020	Stratospheric Intrusion	RO	32-003-0043	Paul Meyer	76	An upper-level, ozone-rich air mass was observed over Clark County and to the south of Clark County in the days leading up to and on the day of this event. A large mixing layer and descending transport were observed from the upper-level air mass to monitoring sites in Clark County.
		RO	32-003-0071	Walter Johnson	71	
06/22/2020	Wildfire	RT	32-003-0075	Joe Neal	78	The Ivanpah Fire was observed in the Mojave National Preserve on the day of this event, with a smoke plume intersecting Clark County. Other regional fires that are likely to have been influential during this event: Grade Fire (CA), Magnum Fire (AZ), Bush Fire (AZ), and Bighorn Fire (AZ).
		RT	32-003-0043	Paul Meyer	74	
		RT	32-003-0071	Walter Johnson	73	
06/26/2020	Wildfire	RT	32-003-0043	Paul Meyer	73	Transport from the Rock Path Fire (UT), Twin Fire (NV), and Miller Fire (NV) was seen during this event. The Thermal Mulch Fire (CA) may also have played a role.
08/03/2020	Wildfire	RT	32-003-0298	Green Valley	72	Direct transport of smoke from the Apple Fire in southern California was seen during this event.
		RT	32-003-0075	Joe Neal	81	

Exceptional Event Demonstration, Appendix A: Initial Notification

Date of Event	Type of Event	AQS Flag	Site AQS ID	Site Name	Exceedance Concentration (ppb)	Notes (e.g. event name, links to other events)
		RT	32-003-0043	Paul Meyer	78	
		RT	32-003-0071	Walter Johnson	82	
08/07/2020	Wildfire	RT	32-003-0075	Joe Neal	72	Direct transport of smoke from the Apple Fire in southern California was seen during this event.
		RT	32-003-0071	Walter Johnson	71	
8/18/2020	Wildfire	RT	32-003-0075	Joe Neal	78	Regional smoke created by large fire complexes in CA influenced the 8/18–8/21/2020 events in Clark County: Red Salmon Complex, August Complex, LNU Lightning Complex, SCU Lightning Complex, CZU Lightning Complex, Lake Fire, River Fire, Carmel Fire, North Range Fire, and Dome Fire. Other possible fires affecting regional smoke include: Cold Springs Fire, North Complex, Loyalton Fire, and Dolan Fire (all in CA).
		RT	32-003-0043	Paul Meyer	79	
		RT	32-003-0071	Walter Johnson	82	
08/19/2020	Wildfire	RT	32-003-0298	Green Valley	71	Regional smoke created by large fire complexes in CA influenced the 8/18–8/21/2020 events in Clark County: Red Salmon Complex, August Complex, LNU Lightning Complex, SCU Lightning Complex, CZU Lightning Complex, Lake Fire, River Fire, Carmel Fire, North Range Fire, and Dome Fire. Other possible fires affecting regional smoke include: Cold Springs Fire, North Complex, Loyalton Fire, and Dolan Fire (all in CA).
		RT	32-003-0075	Joe Neal	73	
		RT	32-003-0043	Paul Meyer	74	
		RT	32-003-0071	Walter Johnson	74	
08/20/2020	Wildfire	RT	32-003-0075	Joe Neal	71	Regional smoke created by large fire complexes in CA influenced the 8/18–8/21/2020 events in Clark County: Red Salmon Complex, August Complex, LNU Lightning Complex, SCU Lightning Complex, CZU Lightning Complex, Lake Fire, River Fire, Carmel Fire, North Range Fire, and Dome Fire. Other possible fires affecting regional smoke include: Cold Springs Fire, North Complex, Loyalton Fire, and Dolan Fire (all in CA).
08/21/2020	Wildfire	RT	32-003-0043	Paul Meyer	71	Regional smoke created by large fire complexes in CA influenced the 8/18–8/21/2020 events in Clark County: Red Salmon Complex, August Complex, LNU Lightning Complex, SCU Lightning Complex, CZU Lightning Complex, Lake Fire, River Fire, Carmel Fire, North Range Fire, and Dome Fire. Other possible fires affecting regional smoke include: Cold Springs Fire, North Complex, Loyalton Fire, and Dolan Fire (all in CA).
09/02/2020	Wildfire	RT	32-003-0043	Paul Meyer	73	

Date of Event	Type of Event	AQS Flag	Site AQS ID	Site Name	Exceedance Concentration (ppb)	Notes (e.g. event name, links to other events)
		RT	32-003-0071	Walter Johnson	75	Smoke created by the Evans Canyon Fire (WA), White River Fire (OR), and Lionshead Fire (OR) was transported to the Clark County area, resulting in this event. Other fires in CA that are likely to have contributed to this event: Slink Fire, SQF Lightning Complex, Dolan Fire, North Complex, SCU Lightning Complex, August Complex, and Red Salmon Complex.
09/26/2020	Wildfire	RT	32-003-0075	Joe Neal	75	Large fire complexes in CA led to regional smoke affecting Clark County during this event: Red Salmon Complex, August Complex, North Complex, SQF Lightning Complex, Blue Jay/Wolf Fires, Creek Fire, Bobcat Fire, El Dorado Fire, and (possibly) the Slater/Devil Fires.
		RT	32-003-0071	Walter Johnson	71	

**B) Violating Sites Information**

(Listing of all violating sites in the planning area, regardless of operating agency, and regardless of whether or not they are impacted by EEs)

Site/monitor (AQS ID and POC)	Design Value ( <u>without</u> EPA concurrence on any of the events listed in Table A above) (ppb)	Design Value ( <u>with</u> EPA concurrence on all events listed in Table A above) (ppb)
Green Valley (32-003-0298, POC: 1)	72 (2020 preliminary)	70
Joe Neal (32-003-0075, POC: 1)	74 (2020 preliminary)	69
Paul Meyer (32-003-0043, POC: 1)	73 (2020 preliminary)	70
Walter Johnson (32-003-0071, POC: 1)	73 (2020 preliminary)	70

**C) Summary of Maximum Design Value (DV) Site Information (Effect of EPA Concurrence on Maximum Design Value Site Determination)**

(Two highest values from Table B)

Maximum DV site (AQS ID) <u>without</u> EPA concurrence on any of the events listed in table A above	<b>Design Value</b>	<b>Design Value Site</b>	<b>Comment</b>
	74	Joe Neal (32-003-0075, POC: 1)	
Maximum DV site (AQS ID) <u>with</u> EPA concurrence on all events listed in table A above	<b>Design Value</b>	<b>Design Value Site</b>	<b>Comment</b>
	70	Green Valley (32-003-0298, POC: 1) Paul Meyer (32-003-0043, POC: 1) Walter Johnson (32-003-0071, POC: 1)	Maximum DV at all 3 sites is same.

**D) List of any sites (AQS ID) within planning area with invalid design values (e.g., due to data incompleteness)**

The Department of Environment and Sustainability does not anticipate any sites having invalid design values for the 2018–2020 design value period; however, final data for 2020 is still being collected and pending year-end submission.

## **APPENDIX B**

### **PUBLIC NOTIFICATION**

Real-time air quality data, Air Quality Index (AQI) maps, daily air quality forecasts, and event notifications are available on the DES website (<https://clarkcountynvairquality.meteostar.com>). Air quality forecasts and current data are also available through EPA's AirNow and EnviroFlash systems. DES issues air quality advisories and alerts to warn the public and regulated community if unhealthy levels of a regulated pollutant are anticipated, and to provide recommendations on reducing exposure and emissions. Advisories are issued when forecast conditions are favorable for pollutant levels to exceed the NAAQS, i.e., to reach the Unhealthy for Sensitive Groups (USG) level on the AQI, or when public health and safety might be in danger. Alerts are issued when air quality levels have already reached the AQI USG level or are expected to.

**AQI for July 25–27, 2018**

Reporting for July 25, 2018																		
<input type="text" value="July"/> <input type="text" value="25"/> <input type="text" value="2018"/> <input type="button" value="Select a Different Date"/>																		
<input type="checkbox"/> Emulate WWW																		
Metropolitan Area or Non-Metropolitan County	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	ppb	AQI	µg/m <sup>3</sup> (25° C)	AQI	µg/m <sup>3</sup> LC
<b>Clark County -- Region 1</b>																		
<a href="#">Apex</a>	Moderate	Ozone	*	78	93	68												
<a href="#">Boulder City</a>	Moderate	Ozone	*	65	74	62							19	20.35				
<a href="#">Greater Las Vegas</a>	Unhealthy for sensitive groups	Ozone	*	90	104	72	4	0.331	1	0.8	45	48.1	23	25.16			34	8.45
<a href="#">Indian Springs</a>	Good	Ozone	*	58	50	54												
<a href="#">Jean</a>	Moderate	Ozone	*	67	84	65							18	19.10			21	5.14
<a href="#">Mesquite</a>	Moderate	Ozone	*	61	64	59												

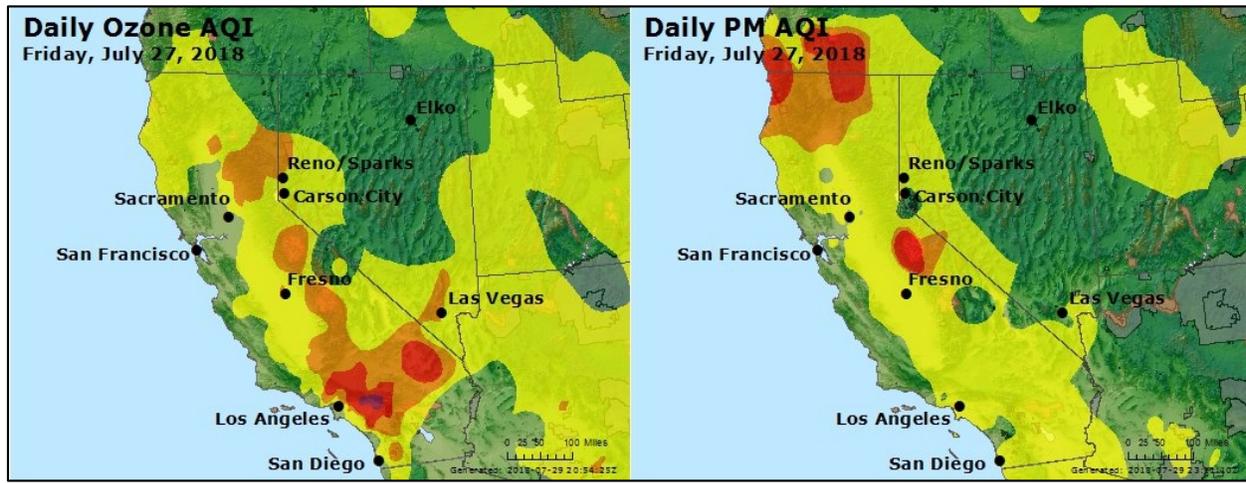
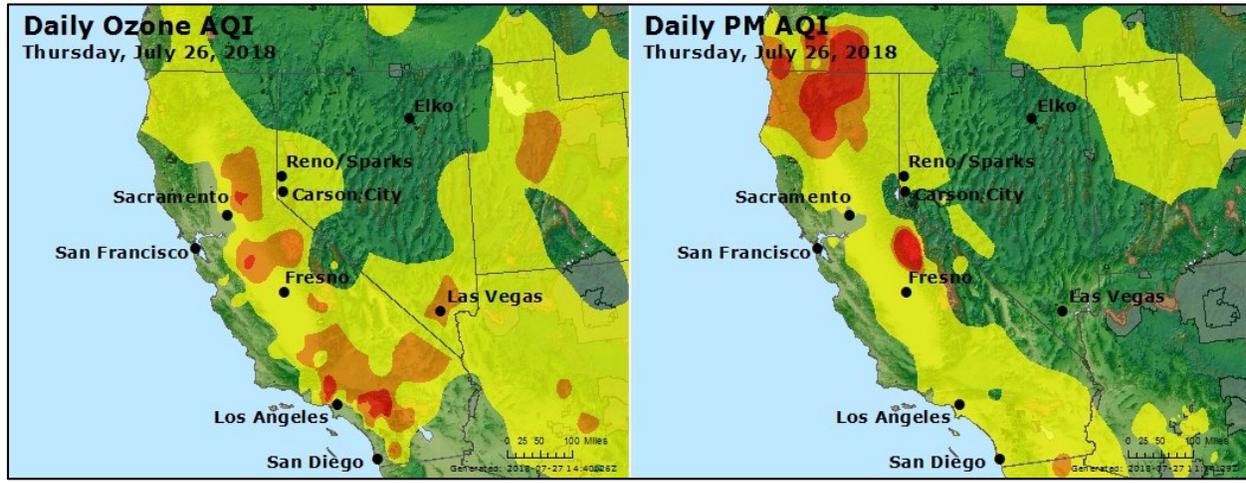
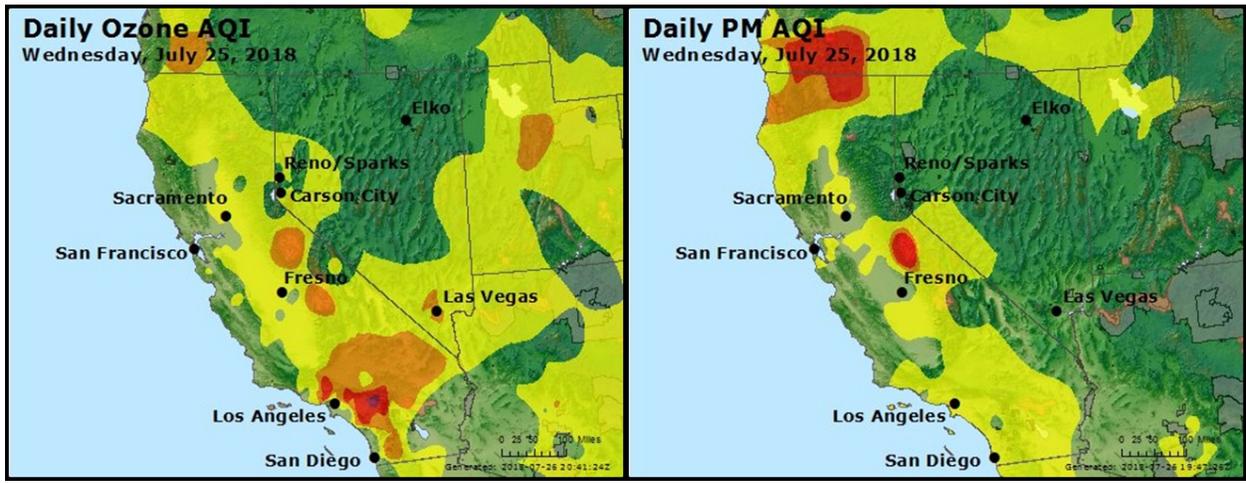
Reporting for July 25, 2018																		
<input type="text" value="July"/> <input type="text" value="25"/> <input type="text" value="2018"/> <input type="button" value="Select a Different Date"/>																		
<input type="checkbox"/> Emulate WWW																		
<a href="#">Return to Main AQI Report</a>																		
Monitoring Sites in the Greater Las Vegas Metro Area	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	ppb	AQI	µg/m <sup>3</sup> (25° C)	AQI	µg/m <sup>3</sup> LC
<b>Clark County</b>	Unhealthy for sensitive groups	Ozone	*	90	104	72	4	0.331	1	0.8	45	48.1	23	25.16			34	8.45
<a href="#">Casino Center</a>	Good	Nitrogen Dioxide									45	48.1						
<a href="#">Green Valley</a>	Unhealthy for sensitive groups	Ozone	*	80	104	72							19	20.82			24	6.03
<a href="#">Jerome Mack</a>	Moderate	Ozone	*	79	100	70			1	0.8	33	34.5					34	8.45
<a href="#">Joe Neal</a>	Moderate	Ozone	*	85	100	70					8	8.1	10	11.19			19	4.70
<a href="#">Palo Verde</a>	Moderate	Ozone	*	82	93	68							20	21.81				
<a href="#">Paul Meyer</a>	Unhealthy for sensitive groups	Ozone	*	89	101	71							22	23.81			25	6.31
<a href="#">Rancho &amp; Teddy</a>	Good	Nitrogen Dioxide					4	0.331			36	38.3					25	6.29
<a href="#">Sunrise Acres</a>	Good	Nitrogen Dioxide					0	NV			40	42.9	23	25.16			24	5.91
<a href="#">Walter Johnson</a>	Unhealthy for sensitive groups	Ozone	*	90	104	72							20	21.86				

Reporting for July 26, 2018																		
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Metropolitan Area or Non-Metropolitan County	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	µg/m <sup>3</sup> (25° C)	AQI	µg/m <sup>3</sup> LC	AQI	µg/m <sup>3</sup> LC
<b>Clark County -- Region 1</b>																		
<a href="#">Apex</a>	Unhealthy for sensitive groups	Ozone	*	78	101	71												
<a href="#">Boulder City</a>	Moderate	Ozone	*	66	74	62						22	23.84					
<a href="#">Greater Las Vegas</a>	Unhealthy for sensitive groups	Ozone	*	88	122	77	4	0.322	2	1.1	42	44.9	25	26.89			40	9.85
<a href="#">Indian Springs</a>	Moderate	Ozone	*	60	58	57												
<a href="#">Jean</a>	Moderate	Ozone	*	65	80	64							23	25.16			28	6.97
<a href="#">Mesquite</a>	Moderate	Ozone	*	65	74	62												

Reporting for July 26, 2018																		
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<a href="#">Return to Main AQI Report</a>																		
Monitoring Sites in the Greater Las Vegas Metro Area	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	µg/m <sup>3</sup> (25° C)	AQI	µg/m <sup>3</sup> LC	AQI	µg/m <sup>3</sup> LC
<b>Clark County</b>	Unhealthy for sensitive groups	Ozone	*	88	122	77	4	0.322	2	1.1	42	44.9	25	26.89			40	9.85
<a href="#">Casino Center</a>	Good	Nitrogen Dioxide									42	44.9						
<a href="#">Green Valley</a>	Unhealthy for sensitive groups	Ozone	*	87	122	77							24	26.22			31	7.60
<a href="#">Jerome Mack</a>	Unhealthy for sensitive groups	Ozone	*	84	122	77			2	1.1	38	39.8					40	9.85
<a href="#">Joe Neal</a>	Moderate	Ozone	*	81	100	70					9	9.4	11	11.99			21	5.14
<a href="#">Palo Verde</a>	Moderate	Ozone	*	79	100	70							21	23.21				
<a href="#">Paul Meyer</a>	Unhealthy for sensitive groups	Ozone	*	80	104	72							25	26.89			31	7.60
<a href="#">Rancho &amp; Teddy</a>	Good	Nitrogen Dioxide					3	0.254			42	44.3					29	7.11
<a href="#">Sunrise Acres</a>	Good	Nitrogen Dioxide					4	0.322			40	42.9	23	25.07			26	6.42
<a href="#">Walter Johnson</a>	Unhealthy for sensitive groups	Ozone	*	88	115	75							23	24.39				

Reporting for July 27, 2018																		
<div style="display: flex; justify-content: space-between; align-items: center;"> <span>July 27 2018</span> <span>Select a Different Date</span> </div> <input type="checkbox"/> Emulate WWW																		
Metropolitan Area or Non-Metropolitan County	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	µg/m³ (25° C)	AQI	µg/m³ LC	AQI	µg/m³ LC
<b>Clark County -- Region 1</b>																		
<a href="#">Apex</a>	Moderate	Ozone	*	79	97	69												
<a href="#">Boulder City</a>	Moderate	Ozone	*	58	54	56						28	29.93					
<a href="#">Greater Las Vegas</a>	Unhealthy for sensitive groups	Ozone	*	89	118	76	5	0.429	1	0.8	49	51.5	33	35.83			59	16.11
<a href="#">Indian Springs</a>	Moderate	Ozone	*	60	61	58												
<a href="#">Jean</a>	Moderate	Ozone	*	70	87	66							32	34.14			54	13.71
<a href="#">Mesquite</a>	Moderate	Ozone	*	65	77	63												
<b>Reporting for July 27, 2018</b>																		
<div style="display: flex; justify-content: space-between; align-items: center;"> <span>July 27 2018</span> <span>Select a Different Date</span> </div> <input type="checkbox"/> Emulate WWW <a href="#">Return to Main AQI Report</a>																		
Monitoring Sites in the Greater Las Vegas Metro Area	Air Quality Rating	Critical Pollutant	Air Quality Index															
			Ozone				Carbon Monoxide		Sulfur Dioxide		Nitrogen Dioxide		PM-10 (Std Cond)		PM-2.5 (Lcl Acpt)		PM-2.5 (Lcl Cond)	
			1-Hour		8-Hour		8-Hour		1-Hour		1-Hour		24-Hour		24-Hour		24-Hour	
			AQI	ppb	AQI	ppb	AQI	ppm	AQI	ppb	AQI	ppb	AQI	µg/m³ (25° C)	AQI	µg/m³ LC	AQI	µg/m³ LC
<b>Clark County</b>	Unhealthy for sensitive groups	Ozone	*	89	118	76	5	0.429	1	0.8	49	51.5	33	35.83			59	16.11
<a href="#">Casino Center</a>	Good	Nitrogen Dioxide									49	51.5						
<a href="#">Green Valley</a>	Moderate	Ozone	*	71	80	64							28	30.48			46	11.37
<a href="#">Jerome Mack</a>	Moderate	Ozone	*	71	87	66			1	0.8	32	33.8					59	16.11
<a href="#">Joe Neal</a>	Unhealthy for sensitive groups	Ozone	*	89	118	76					13	14.2	16	17.22			36	8.82
<a href="#">Palo Verde</a>	Moderate	Ozone	*	80	100	70							25	26.94				
<a href="#">Paul Meyer</a>	Unhealthy for sensitive groups	Ozone	*	81	104	72							31	33.20			44	11.00
<a href="#">Rancho &amp; Teddy</a>	Good	Nitrogen Dioxide					5	0.429			47	49.3					46	11.29
<a href="#">Sunrise Acres</a>	Good	PM-2.5					4	0.322			42	44.5	33	35.83			45	11.23
<a href="#">Walter Johnson</a>	Unhealthy for sensitive groups	Ozone	*	85	112	74							27	28.69				

**AQI maps for July 14–17, 2018**



## Air Quality Forecast

### AIR QUALITY FORECAST

#### ***Ozone Advisory Extended Through Wednesday***

### **Forecast**

(Updated 7/25/2018)

	Ozone	Carbon Monoxide	Dust/Smoke/Soot
Wed (7/25/2018)	UNH-SG	Good	Good
Thu (7/26/2018)	Moderate	Good	Good
Fri (7/27/2018)	Moderate	Good	Good
Sat (7/28/2018)	Moderate	Good	Good
Sun (7/29/2018)	Moderate	Good	Good

#### **From our Meteorologists:**

No change to weather pattern resulting in fair weather and a chance of isolated thunderstorms for our area. For now, expect a day of an AQ in the Unhealthy for Sensitive Groups as we will re-evaluate weather pattern tomorrow as High is forecasted to shift. -- You can follow Clark County air quality conditions and updates on Twitter: @CCAirQuality. --

[More Detailed Monitoring Information](#)  
[What is an Air Quality Advisory or Alert?](#)

Other questions or comments?

Paul Fransioli: (702) 455-2656 [Paul.Fransioli@ClarkCountyNV.gov](mailto:Paul.Fransioli@ClarkCountyNV.gov)

Jose Chaverria: (702) 455-1633 [Jose.Chaverria@clarkcountynv.gov](mailto:Jose.Chaverria@clarkcountynv.gov)

AIR QUALITY FORECAST

**Seasonal Ozone Advisory Issued Through Sept. 30**

**Forecast**

(Updated 7/26/2018)

	Ozone	Carbon Monoxide	Dust/Smoke/Soot
Thu (7/26/2018)	Moderate	Good	Good
Fri (7/27/2018)	Moderate	Good	Good
Sat (7/28/2018)	Moderate	Good	Good
Sun (7/29/2018)	Moderate	Good	Good
Mon (7/30/2018)	Moderate	Good	Good

**From our Meteorologists:**

Persisting ridge over the southwestern US keeps bringing in humid air that is helping raise ozone levels. However, elevated levels of ozone look to be hampered by afternoon thunderstorms which will keep the AQI in the Moderate level, just below the Unhealthy for Sensitive Groups level. -- You can follow Clark County air quality conditions and updates on Twitter: @CCAirQuality. --

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AIR QUALITY FORECAST

**Ozone Advisory for Friday Through Sunday**

**Forecast**

(Updated 7/27/2018)

	Ozone	Carbon Monoxide	Dust/Smoke/Soot
Fri (7/27/2018)	UNH-SG	Good	Good
Sat (7/28/2018)	UNH-SG	Good	Good
Sun (7/29/2018)	UNH-SG	Good	Good
Mon (7/30/2018)	Moderate	Good	Good
Tue (7/31/2018)	Moderate	Good	Good

**From our Meteorologists:**

High pressure to dominate through the forecast period with fair weather conditions which will allow for the transport of smoke from the California wildfires into the Vegas Valley. With weather conditions already favoring local ozone production, expect the wildfire smoke to be a contributing factor in pushing ozone levels into the Unhealthy for Sensitive Groups level through the weekend. -- You can follow Clark County air quality conditions and updates on Twitter: @CCAirQuality. --

[More Detailed Monitoring Information](#)  
[What is an Air Quality Advisory or Alert?](#)

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**Air Quality Advisory**



# News Release

County Commission:  
Steve Sisolek, Chairman  
Chris Giunchigliani, Vice Chair  
Susan Brager  
Larry Brown  
James B. Gibson  
Marilyn Kirkpatrick  
Lawrence Weeldy

Yolanda Kim, County Manager

Office of Public Communications • (702) 455-3546 • FAX (702) 455-3558 • [www.ClarkCountyNV.gov](http://www.ClarkCountyNV.gov)

Contact: Kevin J MacDonald  
Public Information Officer

Phone: (702) 455-8131  
Mobile: (702) 232-0931  
E-mail: [kevmac@ClarkCountyNV.gov](mailto:kevmac@ClarkCountyNV.gov)

**For Immediate Release**

**Tuesday, July 24, 2018**

## Ozone Advisory Extended Through Wednesday

The Clark County Department of Air Quality is extending its current advisory for ground-level ozone pollution to continue through Wednesday, July 25. The original ozone advisory was set to expire today.



Ozone is a colorless gas that exists naturally in the Earth's upper atmosphere. At ground level, ozone is a key ingredient of urban smog that can build up during the day in the hottest months of the year because of strong sunlight, hot temperatures, gasoline and chemical vapors, and pollutants from automobiles, wildfires and regional transport. Exposure to ozone can irritate your respiratory system and cause coughing, a sore throat, chest pain and shortness of breath even in healthy people, according to the EPA.

### HELPFUL TIPS TO REDUCE OZONE

Because cars, trucks and other vehicles are major contributors to ozone, people can follow these helpful, everyday tips to reduce ozone:

- Reduce driving – combine errands into one trip.
- Don't idle your car engine unnecessarily.
- Use mass transit or carpool.
- Fill up your gas tank after sunset. Try not to spill gasoline when filling up and don't top off your tank.
- Keep your car well maintained.
- Consider landscaping that uses less water and gas-powered equipment to maintain.
- Turn off lights and electronics when not in use. Less fuel burned at power plants means cleaner air.

Also, if you have respiratory issues or other health concerns, consider these tips during ozone season:

- Reduce the time you are active outdoors when ozone levels are elevated, especially if you are engaged in a strenuous activity or have a respiratory disease.
- Schedule activities for the morning or evening when ozone levels are usually lower.
- Substitute a less intense activity – walking instead of jogging, for example.
- Always consult your doctor first for medical advice.

[more]

Clark County news releases may be found at [www.ClarkCountyNV.gov](http://www.ClarkCountyNV.gov).  
You may also follow the County on more than 40 social media sites, including Facebook, Twitter, Instagram, LinkedIn, NextDoor, Pinterest and YouTube.



# News Release

County Commission:  
Steve Sisolek, Chairman  
Chris Giunchigliani, Vice Chair  
Susan Brager  
Larry Brown  
James B. Gibson  
Marilyn Kirkpatrick  
Lawrence Weekly

Yolanda King, County Manager

Office of Public Communications • (702) 455-3546 • FAX (702) 455-3558 • [www.ClarkCountyNV.gov](http://www.ClarkCountyNV.gov)

Contact: Kevin J MacDonald  
Public Information Officer

Phone: (702) 455-8131  
Mobile: (702) 232-0931  
E-mail: [kevmac@ClarkCountyNV.gov](mailto:kevmac@ClarkCountyNV.gov)

**For Immediate Release**

**Friday, July 27, 2018**

## Ozone Advisory for Friday Through Sunday

The Clark County Department of Air Quality is issuing an advisory for ground-level ozone pollution, effective Friday, July 27 – Sunday, July 29. In addition to local weather conditions, smoke from California wildfires moving into the region is also a factor this weekend.



Ozone is a colorless gas that exists naturally in the Earth's upper atmosphere. At ground level, ozone is a key ingredient of urban smog that can build up during the day in the hottest months of the year because of strong sunlight, hot temperatures, gasoline and chemical vapors, and pollutants from automobiles, wildfires and regional transport. Exposure to ozone can irritate your respiratory system and cause coughing, a sore throat, chest pain and shortness of breath even in healthy people, according to the EPA.

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[more]

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**News Release**

Clark County is a dynamic and innovative organization dedicated to providing top-quality service with integrity, respect and accountability. With jurisdiction over the world-famous Las Vegas Strip and covering an area the size of New Jersey, Clark is the nation's 14<sup>th</sup>-largest county and provides extensive regional services to more than 2.2 million citizens and 46.2 million visitors a year. Included are the nation's 8<sup>th</sup>-busiest airport, air quality compliance, social services and the state's largest public hospital, University Medical Center. The County also provides municipal services that are traditionally provided by cities to about 951,000 residents in the unincorporated area. Those include fire protection, roads and other public works, parks and recreation, and planning and development.

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You may also follow the County on more than 40 social media sites, including  
**Facebook, Twitter, Instagram, LinkedIn and YouTube.**

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## **APPENDIX C**

### **Documentation of Public Comment Process**

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## 1.0 30-DAY PUBLIC COMMENT PERIOD

### 1.1 NOTICE OF PUBLIC COMMENT

#### NOTICE OF PUBLIC COMMENT PERIOD ON FINAL EXCEPTIONAL EVENT DEMONSTRATIONS

NOTICE IS HEREBY GIVEN of a public comment period on the final exceptional event demonstrations identified below. The Exceptional Events Rule (EER), codified at 40 CFR 50.1, 50.14, and 51.930, allows air agencies to petition the U.S. Environmental Protection Agency (EPA) to exclude air quality monitoring data influenced by exceptional events from applicable regulatory determinations. Between 2018 and 2020, Clark County recorded several exceedances of the 2015 8-hour ozone National Ambient Air Quality Standard (NAAQS) due to impacts from wildfire smoke or stratospheric intrusions. The following table details these exceedances. The Clark County Department of Environment and Sustainability (DES) developed these demonstrations to show that exceedances would not have occurred without wildfire impacts and requests exclusion of event-related data from use in regulatory determinations in accordance with the EER.

NOTICE IS FURTHER GIVEN that a 30-day public comment period will begin on September 3, 2021, and end at 4:00 PM on October 4, 2021, in accordance with the requirements of 40 CFR 50.14(c)(3)(v). The public may review and provide written comments on these demonstrations during this period. Copies of the demonstrations are available for review on the DES website at: [https://www.clarkcountynv.gov/government/departments/environment\\_and\\_sustainability/public\\_communications/public\\_notices.php](https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/public_communications/public_notices.php) and may also be obtained by contacting Araceli Pruet at (702) 455-3206.

Any written comments must be received by DES at 4701 W. Russell Road, Suite 200, Las Vegas, Nevada 89118, by 4:00 PM on October 4, 2021. Comments should be addressed to Araceli Pruet at the same mailing address, emailed to [araceli.pruett@clarkcountynv.gov](mailto:araceli.pruett@clarkcountynv.gov), or faxed to (702) 383-9994. All comments will be considered and forwarded to EPA.

Published: September 2, 2021



Marci D. Henson, Director

**Final 2018 and 2020 Exceptional Events**

<b>Date of Event</b>	<b>Type of Event</b>	<b>Site Name</b>	<b>Exceedance Concentration (ppb)</b>
06/23/2018	Wildfire	Green Valley	75
		Joe Neal	72
		Paul Meyer	72
		Walter Johnson	76
06/27/2018	Wildfire	Green Valley	78
		Joe Neal	72
		Paul Meyer	75
		Walter Johnson	76
07/14/2018	Wildfire	Green Valley	78
		Paul Meyer	72
07/15/2018	Wildfire	Green Valley	73
		Joe Neal	78
		Walter Johnson	71
07/16/2018	Wildfire	Green Valley	71
		Joe Neal	80
		Paul Meyer	75
		Walter Johnson	79
07/17/2018	Wildfire	Paul Meyer	74
		Walter Johnson	77
07/25/2018	Wildfire	Green Valley	72
		Paul Meyer	71
		Walter Johnson	72
07/26/2018	Wildfire	Green Valley	77
		Paul Meyer	72
		Walter Johnson	75
07/27/2018	Wildfire	Joe Neal	76
		Paul Meyer	72
		Walter Johnson	74
07/30/2018	Wildfire	Green Valley	73
07/31/2018	Wildfire	Joe Neal	73
		Walter Johnson	73
08/06/2018	Wildfire	Green Valley	74
		Joe Neal	76
		Paul Meyer	79
		Walter Johnson	77
08/07/2018	Wildfire	Green Valley	72
		Joe Neal	74
		Paul Meyer	73
		Walter Johnson	74

*Table continued on next page*

Date of Event	Type of Event	Site Name	Exceedance Concentration (ppb)
08/03/2020	Wildfire	Green Valley Joe Neal Paul Meyer Walter Johnson	72 81 78 82
08/07/2020	Wildfire	Joe Neal Walter Johnson	72 71
08/18/2020	Wildfire	Joe Neal Paul Meyer Walter Johnson	78 79 82
08/19/2020	Wildfire	Green Valley Joe Neal Paul Meyer Walter Johnson	71 73 74 74
08/20/2020	Wildfire	Joe Neal	71
08/21/2020	Wildfire	Paul Meyer	71
09/26/2020	Wildfire	Joe Neal Walter Johnson	75 71

## 1.2 DES WEBSITE NOTICES

### AIR QUALITY PLANNING NOTICES

▼ Thu., September 2, 2021 - Public Notice for Final 2018 and 2020 Exceptional Event Demonstrations

DES welcomes comments on the final exceptional event demonstrations identified in the table below. Under the Exceptional Events Rule (EER), codified at 40 CFR 50.1, 50.14, and 51.930, air agencies are allowed to petition the U.S. Environmental Protection Agency (EPA) to exclude air quality monitoring data influenced by exceptional events from applicable regulatory determinations. Between 2018 and 2020, Clark County recorded several exceedances of the 2015 8-hour ozone National Ambient Air Quality Standard due to impacts from wildfire smoke or stratospheric intrusions. The purpose of these demonstrations is to show that the exceedances would not have occurred without wildfire impacts and request exclusion of event-related data from use in regulatory determinations in accordance with the EER. All comments will be considered and forwarded to EPA.

**Public Comment Period:**

September 3 through October 4, 2021

**Submit comments in writing to:**

Araceli Pruett, Senior Planner  
 Clark County Department of Environment and Sustainability  
 4701 West Russell Road, Suite 200  
 Las Vegas, NV 89118  
 Phone: 702) 455-3206  
 Email: araceli.pruett@clarkcountynv.gov

**Review Documents**

View [Public Notice](#).

Event Date(s)	Event Type
<a href="#">June 23, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">June 27, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">July 14-17, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">July 25-27, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">July 30-31, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">August 6-7, 2018 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">August 3, 2020 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">August 7, 2020 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">August 18-21, 2020 Demonstration</a> <a href="#">Appendices</a>	Wildfire
<a href="#">September 26, 2020 Demonstration</a> <a href="#">Appendices</a>	Wildfire



### 1.3 DES FACEBOOK POSTING



### 1.4 DES TWITTER POSTING



## 1.5 E-NOTICE

### **Araceli Pruett**

**From:** Araceli Pruett  
**Sent:** Thursday, September 2, 2021 10:29 AM  
**Subject:** NOTICE OF PUBLIC COMMENT PERIOD ON FINAL EXCEPTIONAL EVENT DEMONSTRATIONS

NOTICE IS HEREBY GIVEN of a public comment period on the final exceptional event demonstrations identified below. The Exceptional Events Rule (EER), codified at 40 CFR 50.1, 50.14, and 51.930, allows air agencies to petition the U.S. Environmental Protection Agency (EPA) to exclude air quality monitoring data influenced by exceptional events from applicable regulatory determinations. Between 2018 and 2020, Clark County recorded several exceedances of the 2015 8-hour ozone National Ambient Air Quality Standard (NAAQS) due to impacts from wildfire smoke or stratospheric intrusions. The following table details these exceedances. The Clark County Department of Environment and Sustainability (DES) developed these demonstrations to show that exceedances would not have occurred without wildfire impacts and requests exclusion of event-related data from use in regulatory determinations in accordance with the EER.

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Published: September 2, 2021

**1.5.1 E-Notice Distribution List**

<b>PLANNING E-NOTICE DISTRIBUTION LIST</b>	
<b>Organization</b>	<b>Contact</b>
Air & Waste Management Association	Paul Fransioli
American Lung Association Nevada	James Martinez
Bureau of Land Management	Lisa Christianson
City of Boulder City	Michael Mays
City of Henderson	Sean Robertson
City of Las Vegas	Marco Velotta
City of Las Vegas	Milagros (Miles) Escuin
City of Las Vegas	Robert Summerfield
City of North Las Vegas	Alfredo Melesio
City of North Las Vegas	Johanna Murphy
Clark County	Daniel Kezar
Clark County	Mario Bermudez
Clark County School District	Chris Dingell
Clark County School District	Dimitrios Karapanagiotis
Las Vegas Valley Water District	Brian Bowler
Nellis Air Force Base	Shimi Mathew
Nevada Department of Environmental Protection	Sheryl Fontaine
Nevada Department of Environmental Protection	Sig Jaunarajs
Nevada Resort Association	Sabrina Santiago
Nevada Resort Association	Virginia Valentine
Regional Flood Control	Steve Parrish
Regional Transportation Commission	Beth Xie
Regional Transportation Commission	Craig Raborn
Sierra Club Toiyabe Chapter	Brian Beffort
Southern Nevada Health District	Nicole Bungum
Southern Nevada Off Road Enthusiasts	Ken Thatcher
Southern Nevada Water Authority	Ayoub Ayoub
Southern Nevada Water Authority	Keiba Crear
Southern Nevada Water Authority	Thomas Maher
Southern Nevada Home Builders	Amanda Moss
Southern Nevada Home Builders	Nat Hodgson
The Nature Conservancy	Jaina Moan
University of Nevada Las Vegas	Dave James, PhD.
Washoe County Health District	Charlene Albee
Washoe County Health District	Daniel Inouye

## **1.6 PUBLIC COMMENT REPORT**

Public Notice: DES Website: September 2 through October 4, 2021

Public Comment Period September 3 through October 4, 2021

Formal Comments Received: None

DES Responses: None