

US EPA ARCHIVE DOCUMENT



*Barrow*

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JUL 06 2000

Corrective Action  
**AIR DIVISION**  
**U.S. EPA, REGION 9**  
Air Quality  
Water Quality Planning  
Facsimile 657-6396

PETER J. MORRIS, Director  
ALLEN BIAGGI, Administrator

775-687-4670

TDD 687-4670

Administration  
Water Pollution Control  
Facsimile 687-5856

Mining Regulation and Reclamation  
Facsimile 684-5259

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
**DIVISION OF ENVIRONMENTAL PROTECTION**

333 W. Nye Lane, Room 138  
Carson City, Nevada 89706-0851

June 30, 2000

Ms. Felicia Marcus  
Regional Administrator  
U.S. EPA - Region IX  
75 Hawthorne Street  
San Francisco, California 94105

RE: Recommended designations for the eight-hour ozone National Ambient Air Quality Standards (NAAQS)

Dear Ms. Marcus:

Pursuant to Section 107(d) of the 1990 Clean Air Act, I am submitting this letter to recommend to the EPA that the State of Nevada be designated as attainment or unclassifiable for the new eight-hour ozone NAAQS. The State of Nevada has reviewed historical data for ozone and suggests that all areas within the State's jurisdiction be designated as unclassifiable except for Carson City and Douglas Counties which are in attainment for the new standard. The state has over three years of "clean" data which can be found in AIRS.

The Air Quality Management Division of the Washoe County District Health Department has reviewed historical ozone data and suggests that Washoe County be designated as an attainment area. A copy of their letter is enclosed.

The remaining jurisdiction in the State of Nevada is Clark County and as of this date the State has received only a facsimile copy of their designation recommendation (original signature copy will be forwarded once received by the State). Clark County Department of Comprehensive Planning recommends the county be designated as unclassifiable at this time. Given their current situation, Clark County suggests that designation recommendations would be more definitive after the current 2000 ozone season concludes. A copy of their letter is also enclosed.

Ms. Felicia Marcus  
Page Two  
July 26, 1999

Please contact Colleen Cripps at (775) 687-4670 extension 3065 if you have any questions which you would like to discuss.

Sincerely,



Allen Biaggi, Administrator  
Nevada Division of Environmental Protection

AB:cs

Certified Mail: 7099 3220 0010 2514 0524  
Enclosures

CC: Michael Naylor  
John Schlegel  
Russell Roberts  
Andy Goodrich  
Colleen Cripps

COLLEEN



# DISTRICT HEALTH DEPARTMENT

## AIR QUALITY MANAGEMENT DIVISION

June 12, 2000

Mr. Allen Biaggi, Administrator  
Nevada Division of Environmental Protection  
333 West Nye lane  
Carson City NV 89710

Re: Washoe County's Designation for the 8-Hour Ozone National Ambient Air Quality Standard (NAAQS)

Dear Mr. <sup>Allen</sup>~~Biaggi~~

Pursuant to Section 107(d) of the Clean Air Act, the governor of each state is to recommend to the EPA area designations whenever a National Ambient Air Quality Standard (NAAQS) is revised. Based on guidance documents from John S. Seitz, Director of the Office of Air Quality Planning and Standards this recommendation must be made by June 30, 2000.

The Air Quality Management Division of the Washoe County District Health Department has reviewed historical ozone data and recommends that Washoe County be designated as an attainment area for the 8-Hour Ozone NAAQS. A summary of eight-hour ozone data for Washoe County for the calendar years 1997, 1998, and 1999 is enclosed to verify that Washoe County has not exceeded the 8-Hour Ozone NAAQS. The data are reported following the protocols defined in Appendix I to Part 50, Title 40 in the Code of Federal Regulations, and have been submitted to the EPA AIRS database.

If you have any questions regarding this matter, please feel free to call Linda O'Brien or me at 784-7200

Sincerely,

Andrew C. Goodrich  
Interim Director

cc: Deborah Jordan, USEPA, Region IX  
Colleen Cripps, Nevada DEP/BAQ  
Linda O'Brien, Washoe County District Health Department AQMD

**WASHOE COUNTY 1997, '98, and '99 OZONE DATA BASED ON 8-HOUR AVERAGES**

Site/Airs #	Highest Day (ppm)	(month,day)	2nd Highest Day (ppm)	(month,day)	3rd Highest Day (ppm)	(month,day)	4th Highest Day (ppm)	(month,day)	5th Highest Day (ppm)
Incline* / 320312002	1999	0.072	(7,13)	0.071	(8,25)	0.070	(4,18)	0.069	(9,2)
	1998	0.071	(7,17)	0.068	(7,18)	0.065	(6,18)	0.065	(7,10)
	1997	0.068	(6,8)	0.065	(4,17)	0.061	(6,20)	0.060	(4,16)
	<b>Average</b>	<b>0.070</b>		<b>0.068</b>		<b>0.065</b>		<b>0.065</b>	
Lemmon Valley/ 320312009	1999	0.068	(8,25)	0.061	(6,17)	0.061	(8,20)	0.060	(5,12)
	1998	0.068	(6,18)	0.068	(8,25)	0.067	(7,9)	0.067	(7,10)
	1997	0.057	(3,30)	0.057	(4,26)	0.057	(6,20)	0.056	(4,16)
	<b>Average</b>	<b>0.064</b>		<b>0.062</b>		<b>0.062</b>		<b>0.061</b>	
Reno2 320310016	1999	0.084	(8,25)	0.079	(7,9)	0.075	(8,28)	0.074	(7,12)
	1998	0.080	(7,18)	0.077	(7,19)	0.076	(7,17)	0.075	(7,21)
	1997	0.073	(8,7)	0.072	(6,19)	0.068	(7,15)	0.067	(6,21)
	<b>Average</b>	<b>0.079</b>		<b>0.076</b>		<b>0.073</b>		<b>0.072</b>	
South Reno 320310020	1999	0.087	(8,25)	0.082	(7,9)	0.080	(8,14)	0.078	(7,12)
	1998	0.077	(7,18)	0.076	(7,17)	0.073	(7,21)	0.071	(7,19)
	1997	0.073	(8,7)	0.070	(6,21)	0.068	(6,19)	0.067	(6,20)
	<b>Average</b>	<b>0.079</b>		<b>0.076</b>		<b>0.074</b>		<b>0.071</b>	
Sparks 320311005	1999	0.090	(8,25)	0.080	(7,9)	0.079	(8,28)	0.079	(9,9)
	1998	0.081	(7,18)	0.077	(7,17)	0.074	(7,19)	0.074	(7,5)
	1997	0.073	(6,21)	0.071	(6,19)	0.070	(6,20)	0.070	(7,15)
	<b>Average</b>	<b>0.081</b>		<b>0.076</b>		<b>0.074</b>		<b>0.074</b>	

Washoe County Air Quality Management Division - 3/31/00

\*Data submitted to AIRS by California Air Resources Board - Monitors Operated by Washoe County AQMD



# Department of Comprehensive Planning

500 S Grand Central Pky • Ste 3012 • PO Box 551741 • Las Vegas NV 89155-1741  
(702) 455-4181 • Fax (702) 385-8940

John L. Schlegel, Director • Phil Rosenquist, Assistant Director • Lesa Coder, Assistant Director

June 27, 2000

Mr. Allen Biaggi, Administrator  
Nevada Division of Environmental Protection  
333 W. Nye Lane, Room 138  
Carson City, NV 89706-0851

Re: Recommendation on Designation for Federal 8 Hour Ozone Standard- Clark County

Dear Mr. Biaggi:

In accordance with the March 28, 2000 EPA guidance regarding area designations for the 8 hour Ozone National Ambient Air Quality Standard, we have reviewed the relevant data and have made a preliminary determination of the appropriate designation for Clark County.

Based on 1997-1999 quality assured ozone data for all sites operated in Clark County by the Air Quality Division, the 4<sup>th</sup> highest value for any site is within the level of the standard. However, two sites lack the requisite 3 consecutive years of data. Both sites have high ozone values that are close to violating the NAAQS. This will not be known definitively until the 2000 ozone season is over.

Given the situation, it is our recommendation that Clark County be designated as Unclassifiable, pending the outcome of the 2000 ozone season. Additionally, it would be our recommendation to review the data and make a more definitive recommendation by January 2001.

We have enclosed the Health District's data for the sites it operates in Clark County for your review. If you have any questions or need clarification on any item related to this issue, please contact Mr. Russell Roberts of my staff at 702-455-5199.

Sincerely,

A handwritten signature in black ink, appearing to read "John Schlegel", is written over a large, stylized graphic element that resembles a star or a large letter 'J'.

John Schlegel, Director  
Department of Comprehensive Planning

BOARD OF COUNTY COMMISSIONERS  
BRUCE L. WOODBURY, Chairman • ERIN KENNY, Vice-Chair  
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DALE W. ASKEW, County Manager

cc:

Jolaine Johnson, NDEP  
Colleen Cripps, NDEP  
Michael Naylor, AQD  
Lori Wohletz, City of Las Vegas  
Leslie Long, City of North Las Vegas  
Susan Grey, City of Henderson  
Jacob Snow, General Manager, RTC  
Richard Holmes, Assistant County Manager  
Phil Rosenquist, Assistant Director, Comp. Planning  
Christine Robinson, Planning Manager  
Russell A. Roberts, Assistant Planning Manager

enc

JS:RAR

### 8-hour Average Ozone (PPM) 1999

	1 <sup>st</sup> High	Date	2 <sup>nd</sup> High	Date	3 <sup>rd</sup> High	Date	4 <sup>th</sup> High	Date
Apex	0.088	7/1/99	0.085	5/18/99	0.084	6/24/99	0.084	6/27/99
Boulder City	0.083	6/27/99	0.081	7/1/99	0.078	5/18/99	0.078	6/10/99
City Center	0.069	6/12/99	0.067	6/11/99	0.066	6/13/99	0.064	6/9/99
E. Craig Road	0.077	6/27/99	0.076	6/11/99	0.075	6/12/99	0.074	5/7/99
JD Smith	0.083	7/14/99	0.081	6/12/99	0.079	6/11/99	0.079	6/30/99
Jean	0.088	5/18/99	0.084	6/12/99	0.084	8/30/99	0.083	5/28/99
Lone Mountain	0.082	6/12/99	0.080	8/26/99	0.079	6/30/99	0.078	7/1/99
Palo Verde	0.087	6/12/99	0.085	6/11/99	0.083	6/13/99	0.083	7/1/99
Paul Meyer	0.083	6/12/99	0.081	6/30/99	0.080	5/18/99	0.079	6/11/99
S.E. Valley	0.077	5/18/99	0.077	7/1/99	0.076	6/27/99	0.075	8/30/98
Shadowlane	0.076	6/12/99	0.074	7/14/99	0.074	6/11/99	0.073	6/30/99
Walter Johnson	0.080	7/14/99	0.081	6/12/99	0.081	6/30/99	0.079	6/9/99
Winterwood	0.081	7/1/99	0.079	6/27/99	0.078	6/11/99	0.078	6/24/99

bold fonts = exceeded 8-hour O3 standards

5/11/00

Ozone report 1999.xls

Received Jun-28-00 03:54pm

From-17023881443

To-Clark County Current Page 02



### 8-hour Average Ozone (PPM) 1998

	1 <sup>st</sup> High	Date	2 <sup>nd</sup> High	Date	3 <sup>rd</sup> High	Date	4 <sup>th</sup> High	Date
City Center	0.082	6/27/98	0.080	7/25/98	0.076	5/24/98	0.075	6/24/98
Winterwood	0.081	5/24/98	0.081	6/19/98	0.079	7/14/98	0.078	6/27/98
Shadowlane	0.088	6/27/98	0.078	6/13/98	0.076	6/24/98	0.074	5/24/98
E. Craig Road	0.093	6/27/98	0.090	6/24/98	0.085	7/14/98	0.084	5/24/98
Apex	0.092	6/24/98	0.087	6/27/98	0.083	7/14/98	0.080	6/23/98
Lone Mountain	0.097	6/27/98	0.095	7/25/98	0.093	7/16/98	0.090	7/15/98
S.E. Valley	0.080	6/24/98	0.080	6/27/98	0.079	6/23/98	0.078	5/24/98
Palo Verde *	0.106	7/25/98	0.102	6/27/98	0.095	7/15/98	0.093	7/17/98
Jean *	0.088	7/14/98	0.087	7/15/98	0.083	7/17/98	0.077	8/1/98
Paul Meyer *	0.103	7/25/98	0.091	7/15/98	0.090	7/14/98	0.090	7/16/98
Boulder City *	0.067	8/1/98	0.067	8/2/98	0.067	8/14/98	0.067	8/16/98
JD Smith *	0.064	10/10/98	0.063	10/3/98	0.053	10/11/98	0.052	10/1/98
Walter Johnson *	0.074	8/29/98	0.071	8/14/98	0.067	8/11/98	0.067	8/2/98

## Lone Mountain

0.090 7/17/98  
0.085 7/18/98

## Palo Verde

0.092 7/14/98  
0.092 7/16/98  
0.091 7/18/98  
0.086 7/2/98  
0.086 8/29/98  
0.085 6/24/98  
0.085 8/2/98

## Paul Meyer

0.085 7/17/98

\* = new sites

bold fonts = exceeded 8-hour O3 standard

8/11/00

Ozone report 1998.xls

## Clark County Health District

## Air Pollution Control

## OZONE (PPM)

## Running 8-hour Average

E. Craig Road								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.087	6/12	0.085	6/30	0.085	7/8	0.082	7/1
1994	0.088	6/11	0.087	7/12	0.086	8/15	0.082	5/3
1995	0.080	5/20	0.077	5/21	0.076	8/2	0.073	7/21
1996	0.090	6/22	0.086	6/10	0.081	6/9	0.079	5/31
1997	0.081	5/30	0.078	7/4	0.076	6/19	0.075	6/20
1998	0.093	6/27	0.090	6/24	0.085	7/14	0.084	5/24
Average							0.079	
City Center								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.087	6/12	0.071	6/30	0.070	7/8	0.070	5/30
1994	0.079	8/15	0.078	7/26	0.077	8/14	0.077	5/21
1995	0.082	7/22	0.067	5/21	0.067	5/20	0.065	7/21
1996	0.081	6/9	0.081	7/30	0.077	6/22	0.076	7/29
1997	0.077	7/4	0.075	5/30	0.069	6/16	0.068	6/7
1998	0.082	6/27	0.080	7/25	0.076	5/24	0.075	6/24
Average							0.073	
Winterwood								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.091	6/12	0.088	6/30	0.078	7/8	0.076	7/3
1994	0.086	7/12	0.084	6/11	0.084	7/13	0.080	5/3
1995	0.082	5/21	0.081	5/20	0.076	8/2	0.075	7/31
1996	0.085	6/10	0.084	6/22	0.082	7/29	0.079	5/31
1997	0.082	5/30	0.078	7/2	0.074	7/4	0.073	6/18
1998	0.081	5/24	0.081	6/13	0.079	7/14	0.078	6/27
Average							0.076	
S.E. Valley								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.085	6/30	0.082	6/12	0.079	7/8	0.075	7/3
1994	0.086	7/12	0.085	7/13	0.083	6/5	0.083	6/11
1995	0.081	5/20	0.081	5/21	0.076	6/20	0.076	6/19
1996	0.085	6/10	0.085	5/31	0.084	6/22	0.082	5/18
1997	0.083	5/30	0.080	6/20	0.079	6/19	0.077	6/18
1998	0.080	6/24	0.080	6/27	0.079	6/23	0.078	5/24
Average							0.079	

**Clark County Health District**  
**Air Pollution Control**  
**OZONE (PPM)**  
**Running 8-hour Average**

Shadow Lane								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.088	6/12	0.081	7/1	0.077	7/8	0.076	6/30
1994	0.080	8/15	0.078	7/19	0.077	6/11	0.075	8/13
1995	0.077	5/21	0.074	5/20	0.067	7/2	0.062	6/30
1996	0.085	7/30	0.081	6/22	0.081	7/29	0.078	7/13
1997	0.072	6/11	0.072	7/4	0.071	6/19	0.070	6/7
1998	0.088	6/27	0.078	6/13	0.076	6/24	0.074	5/24
Average							0.074	
E. Flamingo								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.088	6/12	0.076	5/30	0.073	7/1	0.071	6/30
1994	0.075	7/26	0.072	5/13	0.071	7/6	0.069	6/15
1995	0.074	7/31	0.073	5/20	0.070	5/21	0.067	7/13
1996	0.079	6/9	0.076	6/3	0.074	6/22	0.074	6/10
Average								
Ozone monitoring stopped								
Apex								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1997	0.089	5/30	0.082	6/19	0.081	6/20	0.080	5/3
1998	0.092	6/24	0.087	6/27	0.083	7/14	0.080	6/23
Lone Mountain								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1997	0.092	8/6	0.088	7/4	0.079	6/20	0.077	7/3
1998	0.097	6/27	0.095	7/25	0.093	7/16	0.090	7/15
Palo Verde								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.106	7/25	0.102	6/27	0.095	7/15	0.093	7/17
Jean								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.088	7/14	0.087	7/15	0.083	7/17	0.077	8/1
Paul Meyer								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.103	7/25	0.091	7/15	0.090	7/14	0.090	7/16

**Clark County Health District  
Air Pollution Control  
OZONE (PPM)  
Running 8-hour Average**

Boulder City								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.067	8/1	0.067	8/2	0.067	8/14	0.067	8/16
J.D. Smith								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.064	10/10	0.053	10/3	0.053	10/11	0.052	10/1
Walter Johnson								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.074	8/29	0.071	8/14	0.067	8/11	0.067	8/2

Average = 1996,1997 1998

6/28/00

8-hr ozone.xls with dates

STATE OF NEVADA  
KENNY C. GUINN  
Governor



*Biland*

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JUL 17 2000

Waste Management  
AIR DIVISION  
U.S. EPA, REGION 9

Air Quality  
Water Quality Planning  
Facsimile 687-6396

PETER G. MORRIS Director  
ALLEN BIAGGI Administrator

(775) 687-4670

TDD 687-4678

Administration  
Water Pollution Control  
Facsimile 687-5856

Mining Regulation and Reclamation  
Facsimile 684-5259

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION

333 W. Nye Lane, Room 138  
Carson City, Nevada 89706-0851

July 6, 2000

Ms. Felicia Marcus  
Regional Administrator  
75 Hawthorne Street  
San Francisco, California 94105


Re: Recommended designations for the eight-hour ozone National Ambient Air Quality Standards (NAAQS)

Dear Ms. Marcus:

As outlined in our letter to you, dated June 30, 2000, enclosed find the original signature copy of Clark County's recommended designation for the eight-hour ozone standard. The data sheets are also enclosed since the county has highlighted specific data entries.

If there are any questions or concerns, you can contact me at (775) 687-4670, ext. 3069, or e-mail at 'csergent@ndep.carson-city.nv.us'.

Sincerely,

  
Chester R. Sergent, CEM  
Bureau of Air Quality  
Bureau Planner

Certified Mail: 7099 3220 0010 2514 2603  
Enclosures

CC: Jim Smitherman, NDEP



# Department of Comprehensive Planning

500 S Grand Central Pky • Ste 3012 • PO Box 551741 • Las Vegas NV 89155-1741  
(702) 455-4181 • Fax (702) 385-8940

John L. Schlegel, Director • Phil Rosenquist, Assistant Director • Lesa Coder, Assistant Director

June 27, 2000

Mr. Allen Biaggi, Administrator  
Nevada Division of Environmental Protection  
333 W. Nye Lane, Room 138  
Carson City, NV 89706-0851

Re: Recommendation on Designation for Federal 8 Hour Ozone Standard- Clark County

Dear Mr. Biaggi:

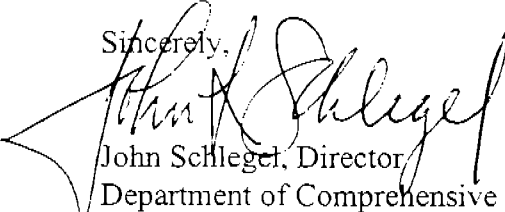
In accordance with the March 28, 2000 EPA guidance regarding area designations for the 8 hour Ozone National Ambient Air Quality Standard, we have reviewed the relevant data and have made a preliminary determination of the appropriate designation for Clark County.

Based on 1997-1999 quality assured ozone data for all sites operated in Clark County by the Air Quality Division, the 4<sup>th</sup> highest value for any site is within the level of the standard. However, two sites lack the requisite 3 consecutive years of data. Both sites have high ozone values that are close to violating the NAAQS. This will not be known definitively until the 2000 ozone season is over.

Given the situation, it is our recommendation that Clark County be designated as Unclassifiable, pending the outcome of the 2000 ozone season. Additionally, it would be our recommendation to review the data and make a more definitive recommendation by January 2001.

We have enclosed the Health District's data for the sites it operates in Clark County for your review. If you have any questions or need clarification on any item related to this issue, please contact Mr. Russell Roberts of my staff at 702-455-5199.

Sincerely,

  
John Schlegel, Director  
Department of Comprehensive Planning

cc:

Jolaine Johnson, NDEP

Colleen Cripps, NDEP

Michael Naylor, AQD

Lori Wohletz, City of Las Vegas

Leslie Long, City of North Las Vegas

Susan Grey, City of Henderson

Jacob Snow, General Manager, RTC

Richard Holmes, Assistant County Manager

Phil Rosenquist, Assistant Director, Comp. Planning

Christine Robinson, Planning Manager

Russell A. Roberts, Assistant Planning Manager

enc

JS:RAR

### 8-hour Average Ozone (PPM) 1999

	1 <sup>ST</sup> High	Date	2 <sup>nd</sup> High	Date	3 <sup>rd</sup> High	Date	4 <sup>th</sup> High	Date
Apex	<b>0.088</b>	7/1/99	<b>0.085</b>	5/18/99	0.084	6/24/99	0.084	6/27/99
Boulder City	0.083	6/27/99	0.081	7/1/99	0.078	5/18/99	0.078	6/10/99
City Center	0.069	6/12/99	0.067	6/11/99	0.066	6/13/99	0.064	6/9/99
E. Craig Road	0.077	6/27/99	0.076	6/11/99	0.075	6/12/99	0.074	5/7/99
JD Smith	0.083	7/14/99	0.081	6/12/99	0.079	6/11/99	0.079	6/30/99
Jean	<b>0.089</b>	5/18/99	0.084	6/12/99	0.084	8/30/99	0.083	5/28/99
Lone Mountain	0.082	6/12/99	0.080	8/26/99	0.079	6/30/99	0.078	7/1/99
Palo Verde	<b>0.087</b>	6/12/99	<b>0.085</b>	6/11/99	0.083	6/13/99	0.083	7/1/99
Paul Meyer	0.083	6/12/99	0.081	6/30/99	0.080	5/18/99	0.079	6/11/99
S.E. Valley	0.077	5/18/99	0.077	7/1/99	0.076	6/27/99	0.075	8/30/99
Shadowlane	0.076	6/12/99	0.074	7/14/99	0.074	6/11/99	0.073	6/30/99
Walter Johnson	<b>0.090</b>	7/14/99	0.081	6/12/99	0.081	6/30/99	0.079	6/9/99
Winterwood	0.081	7/1/99	0.079	6/27/99	0.078	6/11/99	0.078	6/24/99

bold fonts = exceeded 8-hour O3 standard

5/11/00

Ozone report 1998.xls



### 8-hour Average Ozone (PPM) 1998

	1 <sup>ST</sup> High	Date	2 <sup>nd</sup> High	Date	3 <sup>rd</sup> High	Date	4 <sup>th</sup> High	Date
City Center	0.082	6/27/98	0.080	7/25/98	0.076	5/24/98	0.075	6/24/98
Winterwood	0.081	5/24/98	0.081	6/13/98	0.079	7/14/98	0.078	6/27/98
Shadowlane	<b>0.088</b>	6/27/98	0.078	6/13/98	0.076	6/24/98	0.074	5/24/98
E. Craig Road	<b>0.093</b>	6/27/98	<b>0.090</b>	6/24/98	<b>0.085</b>	7/14/98	0.084	5/24/98
Apex	<b>0.092</b>	6/24/98	<b>0.087</b>	6/27/98	0.083	7/14/98	0.080	6/23/98
Lone Mountain	<b>0.097</b>	6/27/98	<b>0.095</b>	7/25/98	<b>0.093</b>	7/16/98	<b>0.090</b>	7/15/98
S.E. Valley	0.080	6/24/98	0.080	6/27/98	0.079	6/23/98	0.078	5/24/98
Palo Verde *	<b>0.106</b>	7/25/98	<b>0.102</b>	6/27/98	<b>0.095</b>	7/15/98	<b>0.093</b>	7/17/98
Jean *	<b>0.088</b>	7/14/98	<b>0.087</b>	7/15/98	0.083	7/17/98	0.077	8/1/98
Paul Meyer *	<b>0.103</b>	7/25/98	<b>0.091</b>	7/15/98	<b>0.090</b>	7/14/98	<b>0.090</b>	7/16/98
Boulder City *	0.067	8/1/98	0.067	8/2/98	0.067	8/14/98	0.067	8/16/98
JD Smith *	0.064	10/10/98	0.053	10/3/98	0.053	10/11/98	0.052	10/1/98
Walter Johnson *	0.074	8/29/98	0.071	8/14/98	0.067	8/11/98	0.067	8/2/98

## Lone Mountain

**0.090** 7/17/98  
**0.085** 7/18/98

## Palo Verde

**0.092** 7/14/98  
**0.092** 7/16/98  
**0.091** 7/18/98  
**0.086** 7/2/98  
**0.086** 8/29/98  
**0.085** 6/24/98  
**0.085** 8/2/98

## Paul Meyer

**0.085** 7/17/98

\* = new sites

bold fonts = exceeded 8-hour O3 standard

5/11/00

Ozone report 1998.xls

## Clark County Health District

## Air Pollution Control

## OZONE {PPM}

## Running 8-hour Average

E. Craig Road								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.087	6/12	0.085	6/30	0.085	7/8	0.082	7/1
1994	0.088	6/11	0.087	7/12	0.086	8/15	0.082	5/3
1995	0.080	5/20	0.077	5/21	0.076	8/2	0.073	7/21
1996	0.090	6/22	0.086	6/10	0.081	6/9	0.079	5/31
1997	0.081	5/30	0.078	7/4	0.076	6/19	0.075	6/20
1998	0.093	6/27	0.090	6/24	0.085	7/14	0.084	5/24
Average							0.079	
City Center								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.087	6/12	0.071	6/30	0.070	7/8	0.070	5/30
1994	0.079	8/15	0.078	7/26	0.077	8/14	0.077	5/21
1995	0.082	7/22	0.067	5/21	0.067	5/20	0.065	7/21
1996	0.081	6/9	0.081	7/30	0.077	6/22	0.076	7/29
1997	0.077	7/4	0.075	5/30	0.069	6/16	0.068	6/7
1998	0.082	6/27	0.080	7/25	0.076	5/24	0.075	6/24
Average							0.073	
Winterwood								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.091	6/12	0.088	6/30	0.078	7/8	0.076	7/3
1994	0.086	7/12	0.084	6/11	0.084	7/13	0.080	5/3
1995	0.082	5/21	0.081	5/20	0.076	8/2	0.075	7/31
1996	0.085	6/10	0.084	6/22	0.082	7/29	0.079	5/31
1997	0.082	5/30	0.078	7/2	0.074	7/4	0.073	6/18
1998	0.081	5/24	0.081	6/13	0.079	7/14	0.078	6/27
Average							0.076	
S.E. Valley								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.085	6/30	0.082	6/12	0.079	7/8	0.075	7/3
1994	0.086	7/12	0.085	7/13	0.083	6/5	0.083	6/11
1995	0.081	5/20	0.081	5/21	0.076	6/20	0.076	6/19
1996	0.085	6/10	0.085	5/31	0.084	6/22	0.082	5/18
1997	0.083	5/30	0.080	6/20	0.079	6/19	0.077	6/18
1998	0.080	6/24	0.080	6/27	0.079	6/23	0.078	5/24
Average							0.079	

## Clark County Health District

## Air Pollution Control

## OZONE {PPM}

## Running 8-hour Average

Shadow Lane								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.088	6/12	0.081	7/1	0.077	7/8	0.076	6/30
1994	0.080	8/15	0.078	7/19	0.077	6/11	0.075	8/13
1995	0.077	5/21	0.074	5/20	0.067	7/2	0.062	6/30
1996	0.085	7/30	0.081	6/22	0.081	7/29	0.078	7/13
1997	0.072	6/11	0.072	7/4	0.071	6/19	0.070	6/7
1998	0.088	6/27	0.078	6/13	0.076	6/24	0.074	5/24
Average							0.074	
E. Flamingo								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1993	0.088	6/12	0.076	5/30	0.073	7/1	0.071	6/30
1994	0.075	7/26	0.072	5/13	0.071	7/6	0.069	6/15
1995	0.074	7/31	0.073	5/20	0.070	5/21	0.067	7/13
1996	0.079	6/9	0.076	6/3	0.074	6/22	0.074	6/10
Average								
Ozone monitoring stopped								
Apex								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1997	0.089	5/30	0.082	6/19	0.081	6/20	0.080	5/3
1998	0.092	6/24	0.087	6/27	0.083	7/14	0.080	6/23
Lone Mountain								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1997	0.092	8/6	0.088	7/4	0.079	6/20	0.077	7/3
1998	0.097	6/27	0.095	7/25	0.093	7/16	0.090	7/15
Palo Verde								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.106	7/25	0.102	6/27	0.095	7/15	0.093	7/17
Jean								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.088	7/14	0.087	7/15	0.083	7/17	0.077	8/1
Paul Meyer								
Year	1 <sup>st</sup> High	Date	2 <sup>nd</sup> Hig	Date	3 <sup>rd</sup> Hig	Date	4 <sup>th</sup> High	Date
1998	0.103	7/25	0.091	7/15	0.090	7/14	0.090	7/16

**Clark County Health District**  
**Air Pollution Control**  
**OZONE {PPM}**  
**Running 8-hour Average**

<b>Boulder City</b>								
<b>Year</b>	<b>1<sup>st</sup> High</b>	<b>Date</b>	<b>2<sup>nd</sup> Hig</b>	<b>Date</b>	<b>3<sup>rd</sup> Hig</b>	<b>Date</b>	<b>4<sup>th</sup> High</b>	<b>Date</b>
1998	0.067	8/1	0.067	8/2	0.067	8/14	0.067	8/16
<b>J.D. Smith</b>								
<b>Year</b>	<b>1<sup>st</sup> High</b>	<b>Date</b>	<b>2<sup>nd</sup> Hig</b>	<b>Date</b>	<b>3<sup>rd</sup> Hig</b>	<b>Date</b>	<b>4<sup>th</sup> High</b>	<b>Date</b>
1998	0.064	10/10	0.053	10/3	0.053	10/11	0.052	10/1
<b>Walter Johnson</b>								
<b>Year</b>	<b>1<sup>st</sup> High</b>	<b>Date</b>	<b>2<sup>nd</sup> Hig</b>	<b>Date</b>	<b>3<sup>rd</sup> Hig</b>	<b>Date</b>	<b>4<sup>th</sup> High</b>	<b>Date</b>
1998	0.074	8/29	0.071	8/14	0.067	8/11	0.067	8/2