

Appendix D

**Air Resources Board
Asbestos Monitoring Information**

Appendix D Summary of Monitoring Results

1. Asbestos Background Monitoring

The ARB staff conducted asbestos background monitoring at 31 sites in El Dorado, Placer, and Nevada counties. In general, the results of the background air monitoring studies indicated that the public was exposed low levels of asbestos. This was the case at 28 of the 31 background monitoring sites. At the 28 sites, a total of 277 samples were taken; however, only 64 samples had positive results for asbestos. The background asbestos levels measured in those samples ranged from below the minimum detection level to about 0.0017 fibers per cubic centimeter (fiber/cc) of air.

To estimate the average mesothelioma risk and lung cancer risk, the ARB staff averaged the asbestos levels measured at each monitoring site. The estimated cancer risk assumes that a person is breathing these average concentrations for 24 hours a day for 70 years. In cases where the results were below the minimum detection level (MDL), one half of the MDL was used in estimating the risk. The estimated average mesothelioma risk and lung cancer risk for those 28 locations ranged from about one to 10 chances in a million. Potential cancer risks in this level are generally of less of concern to public health officials.

At three remaining background sites, the measured asbestos levels were higher than the other background sites. At these 3 sites, a total of 28 samples were taken and 26 of those samples detected asbestos. The asbestos levels measured at these 3 sites ranged from below the minimum detection level to about 0.0078 fibers/cc. The ARB staff determined that potential sources of asbestos were impacting these sites. These sources included unpaved serpentine roads, driveways, and parking lots, active and inactive quarries in the vicinity, and a homeowner putting serpentine material in and around a horse corral during the monitoring activity. These 3 sites had an estimated mesothelioma risk that is between 10 and 50 chances in a million.

Table D-1 summarizes the monitoring results and the estimated average cancer risk for the 28 background sites. The other 3 background sites impacted by potential sources are also listed in Table D-1, under the near source monitoring results.

2. Asbestos Monitoring Near Sources

The ARB's recent monitoring near potential sources of asbestos was conducted at 33 other sites. The potential sources included active serpentine quarries, near unpaved serpentine roads with local traffic activity, and construction/grading sites in areas with naturally-occurring asbestos. A total of 227 samples were taken as part of the asbestos monitoring near sources; 135 samples had positive results for asbestos. The air monitoring results show individual asbestos levels ranging from below the MDL to 0.169 fibers/cc at the entrance to an active serpentine quarry.

Near these potential sources, the associated average cancer risk is typically between 10 and 50 chances in a million. However, the average concentration at one site near the entrance to a serpentine quarry was 0.05 fibers/cc. At that level, the average mesothelioma risk is estimated to be about 300 chances in a million.

In addition, the ARB staff conducted air monitoring near a construction site and a site where asbestos-contaminated dirt piles were being removed and transported to a landfill. The asbestos levels detected were low and the associated cancer risk is estimated to be below 10 chances in a million. The low asbestos levels may be attributed to good dust mitigation measures being utilized, such as watering, and/or to the precipitation occurring prior to the start of the monitoring efforts.

A summary of the asbestos monitoring results and the associated average cancer risk is provided in Table D-1. The results of the ARB's background and near source asbestos monitoring can be found in this appendix or can be obtained from the ARB web site.

**Table D-1
Summary of 1998-1999 Asbestos Monitoring Results¹ and Associated Cancer Risk in El Dorado, Placer, and Nevada Counties**

Location	No. Of Sites	No. Of Samples	No. of Samples Above MDL ²	Range of Average Risk ³ by Site (chances per million)	
				Mesothelioma	Lung Cancer
Background					
El Dorado County	21	252	57	1 – 10	1 – 6
Placer/Nevada County	7	25	7	3 – 8	2 – 5
Near Sources					
El Dorado County ⁴	3	28	26	10 – 50	7 – 30
Monitoring Near Quarry	7	110	87	22 - 290	13 – 170
Garden Valley	7	38	32	10 – 45	6 – 30
Foresthill	3	9	9	7 – 80	4 – 50
Nevada County	1	3	2	2 – 30	1 – 20
El Dorado Hills ⁵	7	35	5	3 – 5	2 – 3
Woedee Drive Area ⁵	8	32	0	2	1

1. Information on the monitoring results is contained in this appendix.
2. MDL means minimum detection level.
3. When calculating the range of average risk by site, the concentrations of samples below the MDL were assumed to be half of the MDL.
4. Background sites impacted by potential sources.
5. Dust controls and/or wet grounds contributed to low asbestos levels.



Asbestos Information

This page updated May 12, 2000.

An area has been established to provide information regarding proposed revisions to the Asbestos ATCM [Go there](#)

General Information

- ◆ [Updated El Dorado County Map](#) - The Department of Conservation, Division of Mines and Geology has updated the map of (western) El Dorado County showing potential locations of naturally-occurring asbestos. (*Added 05/12/00*) **NEW**
- ◆ [Public Advisory on Asbestos-Containing Materials Used on Playgrounds and Other Surfaces](#) (*Added 01/00*)
- ◆ [Asbestos Fact Sheets](#) (*Updated 12/99*)
- ◆ [Asbestos Task Force: Findings and Recommendations on Naturally-Occurring Asbestos to El Dorado County](#) (*Added 3/12/99*)
- ◆ [Asbestos Air Monitoring in El Dorado County, California](#) - Includes measured ambient asbestos concentrations through **mid-Winter 2000** (*Updated 05/12/00*)
UPDATED
- ◆ [Asbestos Air Monitoring in Placer and Nevada Counties, California](#) - Includes measured ambient asbestos concentrations through **Summer 1999** (*Updated 9/15/99*)
- ◆ [White Paper](#) - Naturally-Occurring Asbestos in El Dorado County
- ◆ [Map of California](#) showing principal asbestos deposits

Regulatory Information

- ◆ [Asbestos Airborne Toxic Control Measure \(ATCM\) for Asbestos-Containing Serpentine](#)
- ◆ [ARB Test Method 435 - Determination of Asbestos Content in Serpentine Aggregate \(Acrobat - 80K\) or \(WP6.1 - 839K\)](#)
- ◆ [U.S. EPA Asbestos NESHAP \(Acrobat - 400K\) or \(ASCII - 119K\)](#)
- ◆ [ARB Asbestos NESHAP Program \(incl. the Demolition/Renovation Notification Form\)](#)
- ◆ [Common Questions on the U.S. EPA Asbestos NESHAP](#)

Related Links

- ◆ [General Asbestos Information](#) - From U.S. EPA Region 6 - Includes additional links
- ◆ [Asbestos In Your Home](#) - A report from the American Lung Association and U.S. EPA
- ◆ [American Lung Association Asbestos Fact Sheet](#)
- ◆ [Agency for Toxic Substances and Disease Registry](#) - Toxicity/exposure information
- ◆ [U.S. EPA Unified Air Toxics Website](#) - Toxicity information

U.S. EPA Unified Air Toxics Website - Toxicity information

[Top of page](#) | [Air Toxics Program](#)

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Asbestos Air Monitoring in El Dorado County

This page updated May 12, 2000.

[Jump down to monitoring data](#)

The Air Resources Board (ARB) is conducting air monitoring in El Dorado County to determine the levels, or concentration, of asbestos in the air at selected sites. This monitoring data will be used to help evaluate the extent of the public's exposure to asbestos.

WHERE IS THE MONITORING BEING CONDUCTED?

Monitoring is currently being conducted in various locations in El Dorado County. The sites are selected to provide data on the concentrations of asbestos that may be present in the vicinity of a particular site, and in some cases, may represent "worst case" conditions. The ARB welcomes suggestions by the public for possible monitoring site locations.

WHEN DID THE ARB START MONITORING?

Monitoring was started on April 21, 1998. No monitoring is conducted when it is raining and only resumes after 72 hours of dry conditions.

HOW ARE THE SAMPLES COLLECTED AND ANALYZED?

The monitor is a portable unit which consists of a battery operated pump and a filter designed for asbestos air monitoring. Air is drawn through the filter continuously over a 24 hour period. The filters are analyzed by United States Environmental Protection Agency procedures. The analysis uses transmission electron microscopy, a state-of-the-art technique, to identify the fibers as asbestos and to count the asbestos fibers on a small section of filter. The concentration is determined by dividing the number of fibers caught on the filter in a 24 hour period by the volume of air drawn through the unit in that time period. The samples are analyzed by a laboratory under contract to the ARB and certified by the National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program. Quality control measures and chain of custody procedures are followed in both the field and laboratory for all samples collected.

WHAT ARE THE RESULTS?

General Asbestos Monitoring

Detailed sampling results from April 21 through October 18, 1998 are listed in [Table 1](#). The table will be updated regularly as new data become available. For a quick summary of results, [click here](#).

One hundred ninety-five of the 252 results monitored during the sampling period were found to be below the minimum detection limit (MDL). The MDL is the level below which you cannot accurately quantify the amount of the substance being sampled. For example, you cannot accurately weigh anything below a pound on your typical bathroom scale. The MDL for asbestos can vary depending upon the volume of air which is drawn through the filter and the amount of the filter analyzed. The ARB is currently working on lowering the MDL for asbestos so that lower concentrations can be accurately measured.

Asbestos Monitoring near a Potential Asbestos Source

During October 1998, the ARB conducted ambient monitoring generally near a potential asbestos source in El Dorado County. Air samples were taken at seven separate monitoring locations near an operating serpentine quarry from October 2 through October 18, 1998. Eighty-seven of the 110 results monitored during the sampling period were found to be above the MDL. The 87 sampling results (detailed listing) are presented in the attached [Table 2](#). For a quick summary of results, [click here](#).

Asbestos Monitoring in Silva Valley

During April 1999, the ARB conducted ambient monitoring in the Silva Valley area of El Dorado County. Air samples were taken at seven separate monitoring locations from April 21 through April 29, 1999. Five of the 35 results monitored during the sampling period were found to be above the MDL. The 35 sampling results (detailed listing) are presented in the attached [Table 3](#). For a quick summary of results, [click here](#).

Asbestos Monitoring in Garden Valley

During August 1999, the ARB also conducted ambient monitoring in the Garden Valley area of El Dorado County. Air samples were taken at seven separate monitoring locations from August 16 through August 26, 1999. Thirty-two of the 38 results monitored during the sampling period were found to be above the MDL. The 38 sampling results (detailed listing) are presented in the attached [Table 4](#). For just a quick summary of results, [click here](#).

Asbestos Monitoring Around Woedee Drive

In January 2000, the ARB conducted ambient monitoring around Woedee Drive. Air samples were taken at four separate monitoring locations from January 7 through January 10, 2000. None of the samples collected were found to be above the MDL. A detailed listing of the results is presented in [Table 5](#). For a quick summary of results, [click here](#).

Asbestos Monitoring During Pile Removal Project on Woedee Drive

The ARB conducted additional ambient monitoring in the Woedee Drive area during the removal of asbestos-containing dirt piles. Air samples were taken at four separate monitoring locations surrounding a vacant lot where the piles were located on February 8, 2000 and February 9, 2000. None of the samples collected were found to be above the MDL. A detailed listing of the results is presented in [Table 6](#). For a quick summary of results, [click here](#).

WHAT DO THE SAMPLING RESULTS MEAN?

It is important to understand that these sampling results are individual measurements at specific sites and do not represent what the average or typical asbestos exposures may be in El Dorado County. The ARB has estimated the potential cancer risks associated with the 57 individual sampling results which were above the MDL for the general asbestos monitoring (Table 1). The estimated risk numbers, when averaged at each site, ranged from 0 to 50 potential mesothelioma cases in a million and 1 to 30 potential lung cancer cases in a million. These estimated potential cancer risks assume that a person would be continuously breathing those levels for 24 hours a day for 70 years. The greatest estimated lung cancer and mesothelioma risk associated with the levels detected in the samples analyzed to date are about 125 and 220 chances per million, respectively.

The ARB has also estimated the potential risks associated with the samples taken near a potential asbestos source, a serpentine quarry (Table 2). The estimated risk numbers, when averaged at each site, ranged from 22 to 290 potential mesothelioma cases in a million and 13

to 170 potential lung cancer cases in a million. These estimated potential cancer risks assume that a person would be continuously breathing those levels for 24 hours a day for 70 years. Only one location had an average risk higher than 100 in a million, which was at the entrance to the quarry. These risk numbers are preliminary, based on limited data, and should not be used to characterize the potential risk until additional data are gathered.

The estimated risks from the most recent sampling near Garden Valley (Table 4), when averaged at each site, ranged from 13 to 45 potential mesothelioma cases in a million and 8 to 26 potential lung cancer cases in a million. Again, these estimated potential cancer risks assume that a person would be continuously breathing those levels for 24 hours a day for 70 years.

These risk numbers are offered for these individual samples to provide a relative indication of the potential health risk. To put these numbers into further perspective, the estimated background cancer risk from air toxics in a large urban area is estimated to be about 500 chances in a million. An individual's chances of getting cancer over his or her lifetime from all causes is estimated to be about 1 in 5 in California, or 200,000 chances in a million.

NEED MORE INFORMATION?

If you have questions or need more technical information on the ARB asbestos monitoring program, please contact either of the following individuals:

George Lew	(916) 327-0900	glew@arb.ca.gov
Cindy Castronovo	(916) 322-8957	ccastron@arb.ca.gov

If you would like to suggest monitoring site locations or have questions regarding the potential health risks, please contact:

Todd Wong	(916) 322-8285	twong@arb.ca.gov
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**Measured Ambient Asbestos Concentrations in El Dorado County
General Asbestos Monitoring
(Updated January 15, 1999)**

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: April 21, 1998 through October 18, 1998

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>Deer Creek Water Treatment Plant</u>	Cameron Park	11	0
<u>Bass Lake Facility</u>	Bass Lake	10	1
<u>Water Tank</u>	Greenstone area	32	17
<u>Fire Station #1</u>	El Dorado Hill	9	1
<u>Fire Station #2</u>	El Dorado Hill	6	1
<u>Georgetown Elementary School</u>	Georgetown	14	2
<u>Golden Sierra High School</u>	Garden Valley	6	3
<u>Greenville Elementary School</u>	Cameron Park	6	0
<u>Horse Stables</u>	Auburn Trails Subdivision	9	2
<u>Latrobe Fire Station</u>	Latrobe	17	5
<u>Marina Village Intermediate School</u>	El Dorado Hills	12	3
<u>Northside Elementary School</u>	Cool	9	2
<u>Oakridge High School</u>	El Dorado Hills	6	0
<u>Pacific House Ranger Station</u>	Freshpond	33	3
<u>Ponderosa High School</u>	Shingle Springs	6	0
<u>Private Residence</u>	Bridlewood Subdivision	6	1
<u>Private Residences</u>	Cothrin Ranch Subdivision	30	3
<u>Private Residence</u>	Rescue	9	9
<u>Private Residence</u>	Lake Hills Estates	12	1
<u>Sutters Mill Elementary School</u>	Lotus	9	3
Totals:		252	57

**Measured Ambient Asbestos Concentrations in El Dorado County
Asbestos Monitoring Near a Potential Asbestos Source**
(Updated January 15, 1999)

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: October 1, 1998 through October 18, 1998

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>Private Parcel #1</u>	Lotus	15	12
<u>Private Residence #1</u>	Lotus	14	10
<u>Private Parcel #2</u>	Lotus	13	12
<u>Private Parcel #3</u>	Lotus	15	11
<u>Private Residence #1</u>	Greenstone Subdivision	16	11
<u>Private Residence #2</u>	Greenstone Subdivision	13	8
<u>Entrance to Quarry</u>	Lotus	24	23
Totals:		110	87

**Measured Ambient Asbestos Concentrations in El Dorado County
Asbestos Monitoring in Silva Valley**
(Updated September 15, 1999)

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: April 21, 1999 through April 29, 1999

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>Oak Ridge High School - Site 1</u>	El Dorado Hills	5	0
<u>Oak Ridge High School - Site 2</u>	El Dorado Hills	5	1
<u>Silva Elementary School - Site 1</u>	El Dorado Hills	5	0
<u>Silva Elementary School - Site 2</u>	El Dorado Hills	5	1
<u>Silva Elementary School - Site 3</u>	El Dorado Hills	5	1
<u>Silva Elementary School - Site 4</u>	El Dorado Hills	5	2
<u>Construction Site</u>	El Dorado Hills	5	0
Totals:		35	5

**Measured Ambient Asbestos Concentrations in El Dorado County
Asbestos Monitoring in Garden Valley
(Updated December 10, 1999)**

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: August 16, 1999 through August 26, 1999

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>Golden Sierra High School</u>	Garden Valley	4	4
<u>Garden Valley Park</u>	Garden Valley	4	3
<u>Garden Valley Site #1</u>	Garden Valley	6	5
<u>Garden Valley Site #2</u>	Garden Valley	6	5
<u>Garden Valley Site #3</u>	Garden Valley	6	5
<u>Garden Valley Site #4</u>	Garden Valley	6	6
<u>Garden Valley Site #5</u>	Garden Valley	6	4
Totals:		38	32

**Measured Ambient Asbestos Concentrations in El Dorado County
Asbestos Monitoring Around Woedee Drive
(Updated May 12, 2000)**

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: January 7, 2000 through January 10, 2000

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>Vacant Lot</u>	Woedee Drive	6	0
<u>Construction Site</u>	Woedee Drive	5	0
<u>Community Center Pool</u>	Woedee Drive	5	0
<u>Bass Lake</u>	Woedee Drive	6	0
Totals:		22	0

**Measured Ambient Asbestos Concentrations in El Dorado County
Asbestos Monitoring During Pile Removal Project on Woedee Drive**
(Updated May 12, 2000)

You may also view a detailed listing, which includes
asbestos concentrations and sampling dates.

Sampling Period: February 8, 2000 and February 9, 2000

Location	Geographical Area	Number of Samples Analyzed to-date	Number of Samples Detecting Asbestos
<u>East</u>	Woedee Drive	2	0
<u>North</u>	Woedee Drive	2	0
<u>South</u>	Woedee Drive	2	0
<u>West</u>	Woedee Drive	2	0
Totals:		8	0

Asbestos fiber analysis by Transmission Electron Microscopy (TEM) performed by EPA 40 CFR Part 763 Final Rule (AHERA).

[Top of page](#) | [Asbestos Information](#)

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Table 1
Measured Ambient Asbestos Concentrations
in El Dorado County, California

This page updated January 15, 1999.

Table 1 - Detailed Listing - Page 1 of 2

(Updated January 15, 1999)

Goto [Next Page](#)

Note: Recently added data is shown in italics.

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Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Log Number
			Measured ²	MDL ⁶	
Deer Creek Waste Water Treatment Plant					
	Cameron Park	06/01/98 - 06/02/98	ND	0.000747	ELD-44
		06/02/98 - 06/03/98	ND	0.001866	ELD-47
		06/10/98 ³ - 06/11/98	ND	0.000735	ELD-63
		06/10/98 ³ - 06/11/98	ND	0.000715	ELD-64
		06/11/98 ³ - 06/12/98	ND	0.000740	ELD-65
		06/11/98 ³ - 06/12/98	ND	0.000735	ELD-66
		06/15/98 ³ - 06/16/98	ND	0.000745	ELD-72
		06/15/98 ³ - 06/16/98	ND	0.000733	ELD-73
		09/21/98 - 09/22/98	ND	0.000803	ELD-223
		09/22/98 - 09/23/98	ND	0.000791	ELD-235
		09/23/98 - 09/24/98	ND	0.000802	ELD-250
EID Bass Lake Facility					
	Bass Lake	06/15/98 - 06/16/98	ND	0.000747	ELD-69
		06/16/98 - 06/17/98	ND	0.000747	ELD-78
		06/17/98 - 06/18/98	ND	0.001211	ELD-83
		06/18/98 - 06/19/98	ND	0.000960	ELD-88
		06/30/98 - 07/01/98	0.000971	0.000971	ELD-95
		07/01/98 - 07/01/98	ND	0.000972	ELD-102
		07/02/98 - 07/03/98	ND	0.001005	ELD-107
		09/21/98 - 09/22/98	ND	0.000799	ELD-221
		09/22/98 - 09/23/98	ND	0.000795	ELD-234
		09/23/98 - 09/24/98	ND	0.000787	ELD-248
EID Water Tank					
	Greenstone Area	04/28/98 - 04/29/98	ND	0.002034	ELD-21

		04/29/98 - 04/30/98	ND	0.001868	ELD-26
		04/30/98 - 05/01/98	ND	0.001972	ELD-31
		09/08/98 - 09/10/98	ND	0.000936	ELD-191
		09/09/98 - 09/10/98	ND	0.000940	ELD-199
		09/10/98 - 09/11/98	ND	0.000993	ELD-207
		10/01 - 10/02/98	0.000809	0.000809	S9-1
		10/02 - 10/03/98	ND	0.000789	S9-2
		10/03 - 10/04/98	ND	0.000791	S9-3
		10/04 - 10/05/98	0.00155	0.00078	S9-4
		10/06 - 10/07/98	0.00625	0.000782	S9-5
		10/07 - 10/08/98	0.00903	0.00451	S9-6
		10/08 - 10/09/98	0.0326	0.00163	S9-7
		10/09 - 10/10/98	0.00155	0.00078	S9-8
		10/10 - 10/11/98	0.000768	0.000768	S9-9
		10/11 - 10/12/98	ND	0.000769	S9-10
		10/12 - 10/13/98	ND	0.000805	S9-11
		10/13 - 10/14/98	0.0064	0.000801	S9-12
		10/17 - 10/18/98	0.000786	0.000786	S9-13
		10/01 - 10/02/98	ND	0.000809	S9-1-R
		10/02 - 10/03/98	ND	0.000789	S9-2-R
		10/03 - 10/04/98	ND	0.000791	S9-3-R
		10/04 - 10/05/98	ND	0.00078	S9-4-R
		10/06 - 10/07/98	0.00156	0.000782	S9-5-R
		10/07 - 10/08/98	0.0135	0.00451	S9-6-R
		10/08 - 10/09/98	0.0293	0.00163	S9-7-R
		10/09 - 10/10/98	ND	0.00078	S9-8-R
		10/10 - 10/11/98	0.00307	0.000768	S9-9-R
		10/11 - 10/12/98	0.00153	0.000769	S9-10-R
		10/12 - 10/13/98	0.000805	0.000805	S9-11-R
		10/13 - 10/14/98	0.0024	0.000801	S9-12-R
		10/17 - 10/18/98	0.000786	0.000786	S9-13-R
El Dorado Hills Fire Station #1	El Dorado Hills	04/21/98 ³ - 04/22/98	ND	0.001956	ELD-2
		04/21/98 ³ - 04/22/98	ND	0.002120	ELD-3
		04/22/98 ³ - 04/23/98	ND	0.003490	ELD-7
		04/22/98 ³ - 04/23/98	ND	0.002583	ELD-8
		04/27/98 ³ - 04/28/98	ND	0.001864	ELD-12
		04/27/98 ³ - 04/28/98	ND	0.001791	ELD-13
		09/21/98 - 09/22/98	ND	0.000805	ELD-219
		09/22/98 - 09/23/98	ND	0.000790	ELD-233
		09/23/98 - 09/24/98	0.00785	0.00785	ELD-247

El Dorado Hills Fire Station #2	El Dorado Hills	07/06/98 - 07/07/98	ND	0.001036	ELD-117
		07/07/98 - 07/08/98	ND	0.000993	ELD-127
		07/08/98 - 07/09/98	ND	0.000949	ELD-136
		09/21/98 - 09/22/98	ND	0.000816	ELD-217
		09/22/98 - 09/23/98	0.000788	0.000788	ELD-231
		09/23/98 - 09/24/98	ND	0.000791	ELD-245
Georgetown Elementary School	Georgetown	06/16/98 ³ - 06/17/98	ND	0.000741	ELD-80
		06/16/98 ³ - 06/17/98	ND	0.000745	ELD-81
		06/17/98 - 06/18/98	ND	0.001360	ELD-85
		06/18/98 ³ - 06/19/98	ND	0.001087	ELD-90
		06/18/98 ³ - 06/19/98	ND	0.001201	ELD-91
		06/30/98 ³ - 07/01/98	ND	0.000988	ELD-98
		06/30/98 ³ - 07/01/98	0.000964	0.000964	ELD-99
		07/01/98 ³ - 07/02/98	ND	0.000988	ELD-105
		07/01/98 ³ - 07/02/98	ND	0.001005	ELD-106
		07/02/98 ³ - 07/03/98	ND	0.000983	ELD-110
		07/02/98 ³ - 07/03/98	ND	0.000988	ELD-111
		09/08/98 - 09/09/98	ND	0.000936	ELD-187
		09/09/98 - 09/10/98	ND	0.000919	ELD-195
		09/10/98 - 09/11/98	0.002975	0.000992	ELD-203
Golden Sierra High School	Garden Valley	04/28/98 - 04/29/98	ND	0.002014	ELD-20
		04/29/98 - 04/30/98	0.001882	0.001882	ELD-25
		04/30/98 - 05/01/98	ND	0.001953	ELD-30
		09/08/98 - 09/09/98	ND	0.000936	ELD-188
		09/09/98 - 09/10/98	0.000938	0.000938	ELD-196
		09/10/98 - 09/11/98	0.006194	0.001032	ELD-204
Greenvalley Elementary School	Cameron Park	04/21/98 - 04/22/98	ND	0.001742	ELD-4
		04/22/98 - 04/23/98	ND	0.002301	ELD-9
		04/27/98 - 04/28/98	ND	0.001775	ELD-14
		09/21/98 - 09/22/98	ND	0.00786	ELD-213
		09/22/98 - 09/23/98	ND	0.000785	ELD-227
		09/23/98 - 09/24/98	ND	0.000786	ELD-241
Horse Stables Parking Lot	Auburn Trails Subdivision	06/16/98 - 06/17/98	ND	0.000731	ELD-79
		06/17/98 - 06/18/98	ND	0.000821	ELD-84
		06/18/98 - 06/19/98	ND	0.001047	ELD-89
		06/30/98 - 07/01/98	ND	0.000971	ELD-97

		07/01/98 - 07/02/98	ND	0.000980	ELD-104
		07/02/98 - 07/03/98	ND	0.000988	ELD-109
		09/08/98 - 09/09/98	0.000950	0.000950	ELD-186
		09/09/98 - 09/10/98	ND	0.000937	ELD-194
		09/10/98 - 09/11/98	0.001001	0.001001	ELD-202
Latrobe Fire Station	Latrobe	04/21/98 - 04/22/98	ND	0.001816	ELD-1
		04/22/98 - 04/23/98	ND	0.002201	ELD-6
		04/27/98 - 04/28/98	0.001439	0.001439	ELD-11
		06/01/98 ³ - 06/02/98	ND	0.000729	ELD-35
		06/01/98 ³ - 06/02/98	ND	0.000763	ELD-36
		06/02/98 ³ - 06/03/98	ND	0.000733	ELD-46
		06/03/98 ³ - 06/04/98	ND	0.000720	ELD-51
		06/03/98 ³ - 06/04/98	ND	0.000735	ELD-52
		06/10/98 - 06/11/98	ND	0.000723	ELD-55
		06/11/98 - 06/12/98	ND	0.000718	ELD-56
		06/15/98 - 06/16/98	ND	0.001987	ELD-74
		07/06/98 - 07/08/98	ND	0.001011	ELD-118
		07/07/98 - 07/08/98	ND	0.000983	ELD-132
		07/08/98 - 07/09/98	0.000977	0.000977	ELD-141
		08/24/98 - 08/25/98	0.004834	0.000967	ELD-159
		08/25/98 - 08/26/98	0.003038	0.001013	ELD-167
		08/26/98 - 08/27/98	0.005700	0.000950	ELD-175

NOTES:

1. Asbestos fiber analysis by Transmission Electron Microscopy (TEM) performed by EPA 40 CFR Part 763 Final Rule (AHERA).
2. ND stands for None Detected.
3. Site of co-located samplers.
4. Box Blank is where an unused cartridge is removed from the box of unused filters and sent to the lab for analysis.
5. A field blank is where an unused cartridge is attached to a sampling train and the flow rate is measured. The cartridge is then sealed and sent to the lab for analysis.
6. MDL means Minimum Detection Limit.

[Top of page](#) | [Next Page](#)
Asbestos Air Monitoring

A department of the California Environmental Protection Agency



Table 1
Measured Ambient Asbestos Concentrations
in El Dorado County, California

This page updated January 15, 1999.

Table 1 - Detailed Listing - Page 2 of 2

(Updated January 15, 1999)

Goto [Previous Page](#)

Note: Recently added data is shown in italics.

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Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Log Number
			Measured ²	MDL ⁶	
Marina Village Intermediate School	El Dorado Hills	06/30/98 - 07/01/98	ND	0.000983	ELD-96
		07/01/98 - 07/02/98	ND	0.000998	ELD-103
		07/02/98 - 07/03/98	ND	0.000996	ELD-108
		07/06/98 ³ - 07/07/98	ND	0.001038	ELD-115
		07/06/98 ³ - 07/07/98	ND	0.001058	ELD-116
		07/07/98 ³ - 07/08/98	ND	0.001075	ELD-125
		07/07/98 ³ - 07/08/98	0.000977	0.000977	ELD-126
		07/08/98 ³ - 07/09/98	0.000988	0.000988	ELD-134
		07/08/98 ³ - 07/09/98	ND	0.001239	ELD-135
		09/21/98 - 09/22/98	ND	0.000793	ELD-216
		09/22/98 - 09/23/98	ND	0.000800	ELD-230
09/23/98 - 09/24/98	0.000796	0.000796	ELD-244		
Northside Elementary School	Cool	04/28/98 ³ - 04/29/98	ND	0.001800	ELD-18
		04/28/98 ³ - 04/29/98	ND	0.001779	ELD-19
		04/29/98 ³ - 04/30/98	ND	0.001737	ELD-23
		04/29/98 ³ - 04/30/98	ND	0.001721	ELD-24
		04/30/98 ³ - 05/01/98	0.001872	0.001872	ELD-28
		04/30/98 ³ - 05/01/98	ND	0.001883	ELD-29
		09/08/98 - 09/09/98	0.000936	0.000936	ELD-185
		09/09/98 - 09/10/98	ND	0.000919	ELD-193
09/10/98 - 09/11/98	ND	0.000994	ELD-201		

Oakridge High School	El Dorado Hills	06/01/98 - 06/02/98	ND	0.000762	ELD-37
		06/02/98 - 06/03/98	ND	0.000733	ELD-38
		06/03/98 - 06/04/98	ND	0.000726	ELD-39
		09/21/98 - 09/22/98	ND	0.000817	ELD-218
		09/22/98 - 09/23/98	ND	0.000788	ELD-323
		09/23/98 - 09/24/98	ND	0.000791	ELD-246
Pacific House Ranger Station	Freshpond	04/21/98 - 04/22/98	ND	0.001967	ELD-5
		04/22/98 - 04/23/98	ND	0.002749	ELD-10
		04/27/98 - 04/28/98	ND	0.001809	ELD-15
		04/28/98 - 04/29/98	ND	0.001893	ELD-22
		04/29/98 - 04/30/98	ND	0.001806	ELD-27
		04/30/98 - 05/01/98	ND	0.001847	ELD-32
		06/01/98 - 06/02/98	ND	0.000720	ELD-43
		06/02/98 - 06/03/98	ND	0.001820	ELD-48
		06/03/98 - 06/04/98	ND	0.000739	ELD-49
		06/10/98 - 06/11/98	ND	0.000978	ELD-67
		06/11/98 - 06/12/98	ND	0.001579	ELD-68
		06/15/98 - 06/16/98	ND	0.000767	ELD-71
		06/16/98 - 06/17/98	ND	0.000884	ELD-82
		06/17/98 - 06/18/98	ND	0.001537	ELD-87
		06/18/98 - 06/19/98	0.001375	0.001375	ELD-92
		06/30/98 ³ - 07/01/98	ND	0.000972	ELD-100
		06/30/98 ³ - 07/01/98	ND	0.000987	ELD-101
		07/02/98 - 07/03/98	ND	0.000943	ELD-112
		07/06/98 - 07/07/98	ND	0.001032	ELD-123
		07/07/98 - 07/08/98	ND	0.000974	ELD-124
		07/08/98 - 07/09/98	ND	0.002685	ELD-133
		08/04/98 - 08/05/98	ND	0.000975	ELD-144
		08/05/98 - 08/06/98	ND	0.000935	ELD-148
		08/06/98 - 08/07/98	ND	0.000971	ELD-152
		08/24/98 - 08/25/98	0.000994	0.000994	ELD-158
		08/25/98 - 08/26/98	ND	0.000949	ELD-166
		08/26/98 - 08/27/98	ND	0.000928	ELD-174
		09/08/98 - 09/09/98	ND	0.000916	ELD-184
		09/09/98 - 09/10/98	ND	0.000989	ELD-192
		09/10/98 - 09/11/98	ND	0.001059	ELD-200
09/21/98 - 09/22/98	0.001597	0.000799	ELD-210		
09/22/98 - 09/23/98	ND	0.000833	ELD-224		
09/23/98 - 09/24/98	ND	0.000777	ELD-238		
Ponderosa High School	Shingle Springs	06/01/98 - 06/02/98	ND	0.000752	ELD-40
		06/02/98 - 06/03/98	ND	0.000841	ELD-41

		06/03/98 - 06/04/98	ND	0.000743	ELD-42
		09/21/98 - 09/22/98	ND	0.000785	ELD-220
		09/22/98 - 09/23/98	ND	0.000789	ELD-237
		09/23/98 - 09/24/98	ND	0.000797	ELD-251
Private Residence #1					
	Bridlewood Subdivision	06/10/98 - 06/11/98	ND	0.001075	ELD-61
		06/11/98 - 06/12/98	ND	0.000754	ELD-62
		06/15/98 - 06/16/98	ND	0.000747	ELD-75
		09/21/98 - 09/22/98	0.001077	0.001077	ELD-222
		09/22/98 - 09/23/98	ND	0.00786	ELD-236
		09/23/98 - 09/24/98	ND	0.000785	ELD-249
Private Residence #2					
	Cothrin Ranch Subdivision	07/06/98 - 07/07/98	ND	0.001071	ELD-119
		07/07/98 - 07/08/98	ND	0.000991	ELD-128
		07/08/98 - 07/09/98	ND	0.000982	ELD-137
		08/24/98 - 08/25/98	ND	0.000986	ELD-160
		08/25/98 - 08/26/98	ND	0.000962	ELD-168
		08/26/98 - 08/27/98	ND	0.000975	ELD-176
Private Residence #3					
	Cothrin Ranch Subdivision	07/06/98 - 07/07/98	ND	0.001042	ELD-120
		07/07/98 - 07/08/98	ND	0.003048	ELD-129
		07/08/98 - 07/09/98	ND	0.002060	ELD-138
		08/24/98 - 08/25/98	ND	0.000941	ELD-161
		08/25/98 - 08/26/98	ND	0.000999	ELD-169
		08/26/98 - 08/27/98	ND	0.000941	ELD-177
Private Residence #4					
	Cothrin Ranch Subdivision	07/06/98 - 07/07/98	ND	0.000930	ELD-121
		07/07/98 - 07/08/98	0.002287	0.002287	ELD-130
		07/08/98 - 07/09/98	0.007720	0.000965	ELD-139
		08/24/98 ³ - 08/25/98	ND	0.000993	ELD-162
		08/24/98 ³ - 08/25/98	ND	0.000975	ELD-163
		08/24/98 ³ - 08/25/98	ND	0.000973	ELD-164
		08/25/98 ³ - 08/26/98	ND	0.000949	ELD-170
		08/25/98 ³ - 08/26/98	ND	0.000968	ELD-171
		08/25/98 ³ - 08/26/98	ND	0.000983	ELD-172
		08/26/98 ³ - 08/27/98	ND	0.00971	ELD-178
		08/26/98 ³ - 08/27/98	ND	0.000948	ELD-179
		08/26/98 ³ - 08/27/98	0.000975	0.000975	ELD-180

Private Residence #5	Cothrin Ranch Subdivision	07/06/98 - 07/07/98	ND	0.000985	ELD-122
		07/07/98 - 07/08/98	ND	0.000951	ELD-131
		07/08/98 - 07/09/98	ND	0.000977	ELD-140
		08/24/98 - 08/25/98	ND	0.000965	ELD-165
		08/25/98 - 08/26/98	ND	0.000997	ELD-173
		08/26/98 - 08/27/98	ND	0.000951	ELD-181
Private Residence #6	Rescue	08/04/98 - 08/05/98	0.002999	0.001000	ELD-145
		08/05/98 - 08/06/98	0.010367	0.001481	ELD-149
		08/06/98 - 08/07/98	0.006848	0.000978	ELD-153
		09/21/98 ³ - 09/22/98	0.006134	0.000767	ELD-211
		09/21/98 ³ - 09/22/98	0.004723	0.000787	ELD-212
		09/22/98 ³ - 09/23/98	0.001580	0.000790	ELD-225
		09/22/98 ³ - 09/23/98	0.001649	0.000824	ELD-226
		09/23/98 ³ - 09/24/98	0.007912	0.000791	ELD-239
		09/23/98 ³ - 09/24/98	0.036651	0.001145	ELD-240
		Private Residence #7	Lake Hills Estates	08/04/98 ³ - 09/05/98	ND
08/04/98 ³ - 09/05/98	ND			0.00983	ELD-147
08/05/98 ³ - 08/06/98	ND			0.001190	ELD-150
08/05/98 ³ - 08/06/98	ND			0.001222	ELD-151
08/06/98 ³ - 08/07/98	ND			0.000972	ELD-154
08/06/98 ³ - 08/07/98	ND			0.000978	ELD-155
09/21/98 ³ - 09/22/98	ND			0.000788	ELD-214
09/21/98 ³ - 09/22/98	ND			0.000784	ELD-215
09/22/98 ³ - 09/23/98	ND			0.000790	ELD-228
09/22/98 ³ - 09/23/98	ND			0.000798	ELD-229
09/23/98 ³ - 09/24/98	ND			0.000781	ELD-242
09/23/98 ³ - 09/24/98	0.000770			0.000770	ELD-243
Sutters Mill Elementary School	Lotus			06/10/98 - 06/11/98	ND
		06/11/98 - 06/12/98	ND	0.000735	ELD-60
		06/15/98 - 06/16/98	ND	0.000747	ELD-70
		09/08/98 ³ - 09/09/98	ND	0.000936	ELD-189
		09/08/98 ³ - 09/09/98	ND	0.000931	ELD-190
		09/09/98 ³ - 09/10/98	ND	0.000951	ELD-197
		09/09/98 ³ - 09/10/98	0.003664	0.000916	ELD-198
		09/10/98 ³ - 09/11/98	0.000994	0.000994	ELD-205
		09/10/98 ³ - 09/11/98	0.001015	0.001015	ELD-206

Box Blank ⁴	04/23/98	ND	0.001727	ELD-16
	04/30/98	ND	0.001727	ELD-33
	06/03/98	ND	0.000729	ELD-53
	06/15/98	ND	0.000729	ELD-76
	06/18/98	ND	0.000971	ELD-93
	07/02/98	ND	0.000971	ELD-113
	07/08/98	ND	0.000971	ELD-142
	08/06/98	ND	0.000971	ELD-156
	08/27/98	0.00936	0.000936	ELD-182
	09/10/98	ND	0.000936	ELD-208
Field Blank ⁵	04/23/98	ND	0.001727	ELD-17
	04/30/98	ND	0.001727	ELD-34
	06/03/98	ND	0.000729	ELD-54
	06/15/98	ND	0.000729	ELD-77
	06/18/98	ND	0.000729	ELD-94
	07/02/98	ND	0.000971	ELD-114
	07/08/98	ND	0.000971	ELD-143
	08/06/98	ND	0.000971	ELD-157
	08/27/98	ND	0.000936	ELD-183
	09/10/98	ND	0.000936	ELD-209
	09/23/98	ND	0.000784	ELD-252

NOTES:

1. Asbestos fiber analysis by Transmission Electron Microscopy (TEM) performed by EPA 40 CFR Part 763 Final Rule (AHERA).
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4. Box Blank is where an unused cartridge is removed from the box of unused filters and sent to the lab for analysis.
5. A field blank is where an unused cartridge is attached to a sampling train and the flow rate is measured. The cartridge is then sealed and sent to the lab for analysis.
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[Top of page](#) | [Previous Page](#)
[Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency



Table 2
Measured Ambient Asbestos Concentrations
Near a Potential Asbestos Source
in El Dorado County, California

This page updated January 15, 1999.

Detailed Listing
 (Updated January 15, 1999)

Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Sample Number
			Measured ²	MDL ⁶	
Private Parcel #1					
	Lotus	10/01 - 10/02/98	ND	0.00079	S1-1
		10/02 - 10/03/98	ND	0.00080	S1-5
		10/03 - 10/04/98	ND	0.000794	S1-9
		10/04 - 10/05/98	0.00316	0.00079	S1-13A
		10/06 - 10/07/98	0.00317	0.000794	S1-16
		10/07 - 10/08/98	0.00237	0.00079	S1-20
		10/08 - 10/09/98	0.0118	0.000791	S1-24
		10/09 - 10/10/98	0.0135	0.000797	S1-28
		10/10 - 10/11/98	0.000795	0.000795	S1-32
		10/11 - 10/12/98	0.00875	0.000795	S1-36
		10/12 - 10/13/98	0.00164	0.000825	S1-41
		10/13 - 10/14/98	0.145	0.00392	S1-44
		10/17 - 10/18/98	0.00235	0.000786	S1-49
		10/06 - 10/07/98	0.0103	0.000794	S1-16-R
		10/08 - 10/09/98	0.0118	0.000791	S1-24-R
Private Residence #1					
	Lotus	10/01 - 10/02/98	0.00154	0.000773	S2-1
		10/02 - 10/03/98	ND	0.00101	S2-4
		10/03 - 10/04/98	0.0102	0.000785	S2-5
		10/04 - 10/05/98	ND	0.000801	S2-7
		10/06 - 10/07/98	0.00563	0.000805	S2-8
		10/07 - 10/08/98	0.00631	0.000789	S2-10
		10/08 - 10/09/98	0.028	0.00112	S2-12
		10/09 - 10/10/98	0.0183	0.000872	S2-14
		10/10 - 10/11/98	0.0103	0.000793	S2-16

		10/11 - 10/12/98	0.00399	0.000798	S2-18
		10/12 - 10/13/98	0.012	0.000802	S2-20
		10/13 - 10/14/98	ND	0.00082	S2-22
		10/17 - 10/18/98	0.0288	0.0013	S2-24
		10/12 - 10/13/98	ND	0.000802	S2-20-R
Private Parcel #2					
Private Parcel #2	Lotus	10/01 - 10/02/98	ND	0.000775	S3-1
		10/02 - 10/03/98	0.0004	0.000811	S3-3
		10/03 - 10/04/98	0.00318	0.000795	S3-5
		10/04 - 10/05/98	0.00628	0.000786	S3-7
		10/06 - 10/07/98	0.00813	0.000813	S3-8
		10/07 - 10/08/98	0.000774	0.000774	S3-10
		10/08 - 10/09/98	0.00475	0.000792	S3-12
		10/09 - 10/10/98	0.00159	0.000799	S3-14
		10/10 - 10/11/98	0.004	0.000802	S3-16
		10/11 - 10/12/98	0.00386	0.000772	S3-18
		10/12 - 10/13/98	0.00237	0.000793	S3-20
		10/13 - 10/14/98	0.00802	0.000802	S3-22
		10/17 - 10/18/98	0.00472	0.000787	S3-24
Private Parcel #3					
Private Parcel #3	Lotus	10/01 - 10/02/98	0.000795	0.000795	S4-1
		10/02 - 10/03/98	0.00394	0.000789	S4-5
		10/03 - 10/04/98	0.0016	0.000804	S4-9
		10/04 - 10/05/98	ND	0.00079	S4-13
		10/06 - 10/07/98	0.00873	0.000794	S4-13
		10/07 - 10/08/98	0.00155	0.00078	S4-17
		10/08 - 10/09/98	ND	0.000777	S4-21
		10/09 - 10/10/98	ND	0.000837	S4-25
		10/10 - 10/11/98	0.0156	0.000785	S4-29
		10/11 - 10/12/98	0.00863	0.000785	S4-33
		10/12 - 10/13/98	ND	0.000809	S4-38
		10/13 - 10/14/98	0.0275	0.000918	S4-41
		10/17 - 10/18/98	0.00309	0.000774	S4-45
		10/11 - 10/12/98	0.00392	0.000785	S4-33-R
		10/13 - 10/14/98	0.00165	0.000826	S4-41-R
Private Residence #1					
Private Residence #1	Greenstone Subdivision	10/01 - 10/02/98	0.0674	0.00157	S5-1
		10/02 - 10/03/98	0.00398	0.000797	S5-3
		10/03 - 10/04/98	0.00313	0.000785	S5-5
		10/04 - 10/05/98	0.00158	0.000791	S5-7
		10/06 - 10/07/98	0.00157	0.000789	S5-8
		10/07 - 10/08/98	ND	0.000758	S5-10
		10/08 - 10/09/98	0.0168	0.000845	S5-12

		10/09 - 10/10/98	0.00868	0.00079	S5-14
		10/10 - 10/11/98	ND	0.000789	S5-16
		10/11 - 10/12/98	0.00313	0.000785	S5-18
		10/12 - 10/13/98	ND	0.000823	S5-20
		10/13 - 10/14/98	ND	0.000815	S5-22
		10/17 - 10/18/98	ND	0.000785	S5-24
		10/01 - 10/02/98	0.000785	0.000785	S5-1-R
		10/08 - 10/09/98	0.0109	0.000845	S5-12-R
		10/09 - 10/10/98	0.00789	0.00079	S5-14-R
Private Residence #2					
Private Residence #2	Greenstone Subdivision	10/01 - 10/02/98	0.0443	0.00164	S6-1
		10/02 - 10/03/98	0.000787	0.000787	S6-3
		10/03 - 10/04/98	ND	0.000794	S6-5
		10/04 - 10/05/98	ND	0.00079	S6-7
		10/06 - 10/07/98	ND	0.000802	S6-8
		10/07 - 10/08/98	ND	0.00078	S6-10
		10/08 - 10/09/98	0.00389	0.00078	S6-12
		10/09 - 10/10/98	0.00158	0.00079	S6-14
		10/10 - 10/11/98	0.00235	0.000785	S6-16
		10/11 - 10/12/98	*	0.0324	S6-18
		10/12 - 10/13/98	0.000822	0.000822	S6-20
		10/13 - 10/14/98	ND	0.000805	S6-22
		10/17 - 10/18/98	0.0047	0.000785	S6-25
		10/17 - 10/18/98	0.00706	0.000785	S6-25-R
Entrance to Quarry					
Entrance to Quarry	Lotus	10/01 - 10/02/98	0.117	0.0042	S8-1
		10/02 - 10/03/98	ND	0.000793	S8-3
		10/03 - 10/04/98	0.0157	0.000789	S8-5
		10/04 - 10/05/98	*	0.0221	S8-7
		10/06 - 10/07/98	0.0884	0.00402	S8-8
		10/07 - 10/08/98	0.0298	0.00129	S8-10
		10/08 - 10/09/98	0.169	0.00395	S8-12
		10/09 - 10/10/98	0.0355	0.00131	S8-14
		10/10 - 10/11/98	0.00395	0.00079	S8-16
		10/11 - 10/12/98	0.0578	0.00262	S8-18
		10/12 - 10/13/98	0.00241	0.000805	S8-20
		10/13 - 10/14/98	0.008	0.000801	S8-22
		10/17 - 10/18/98	0.0131	0.000771	S8-25
		10/01 - 10/02/98	0.0209	0.000839	S8-1-R
		10/02 - 10/03/98	0.0325	0.000793	S8-3-R
		10/03 - 10/04/98	0.0141	0.000789	S8-5-R
		10/04 - 10/05/98	*	0.0221	S8-7-R
		10/06 - 10/07/98	0.0784	0.00201	S8-8-R

	10/07 - 10/08/98	0.0466	0.00155	S8-10-R
	10/08 - 10/09/98	0.154	0.00197	S8-12-R
	10/09 - 10/10/98	0.0616	0.00158	S8-14-R
	10/10 - 10/11/98	0.0325	0.000987	S8-16-R
	10/11 - 10/12/98	0.0305	0.000986	S8-18-R
	10/12 - 10/13/98	0.0402	0.00134	S8-20-R
	10/13 - 10/14/98	0.124	0.004	S8-22-R
	10/17 - 10/18/98	0.0110	0.00197	S8-25-R

* These samples did not conform to AHERA standards and were not included.

[Top of page](#) | [Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency



Table 3
Measured Ambient Asbestos Concentrations
Asbestos Monitoring in Silva Valley

This page updated September 15, 1999.

Detailed Listing
 (Updated September 15, 1999)

Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Sample Number
			Measured	MDL ¹	
Oak Ridge High School Site #1					
Oak Ridge High School Site #1	El Dorado Hills	04/21/99 - 04/22/99	ND	0.0010	ORHS3-1
		04/22/99 - 04/23/99	ND	0.0010	ORHS3-2
		04/26/99 - 04/27/99	ND	0.0010	ORHS3-3
		04/27/99 - 04/28/99	ND	0.0010	ORHS3-4
		04/28/99 - 04/29/99	ND	0.0010	ORHS3-5
Oak Ridge High School Site #2					
Oak Ridge High School Site #2	El Dorado Hills	04/21/99 - 04/22/99	ND	0.0010	ORHS4-1
		04/22/99 - 04/23/99	ND	0.0010	ORHS4-2
		04/26/99 - 04/27/99	ND	0.0010	ORHS4-3
		04/27/99 - 04/28/99	ND	0.0010	ORHS4-4
		04/28/99 - 04/29/99	ND	0.0010	ORHS4-5
Silva Elementary School Site #1					
Silva Elementary School Site #1	El Dorado Hills	04/21/99 - 04/22/99	0.0019	0.0010	SESN-1
		04/22/99 - 04/23/99	ND	0.0010	SESN-2
		04/26/99 - 04/27/99	ND	0.0010	SESN-3
		04/27/99 - 04/28/99	ND	0.0010	SESN-4
		04/28/99 - 04/29/99	ND	0.0010	SESN-5
Silva Elementary School Site #2					
Silva Elementary School Site #2	El Dorado Hills	04/21/99 - 04/22/99	0.0010	0.0010	SESS-1
		04/22/99 - 04/23/99	ND	0.0010	SESS-2
		04/26/99 - 04/27/99	ND	0.0008	SESS-3
		04/27/99 - 04/28/99	ND	0.0010	SESS-4
		04/28/99 - 04/29/99	ND	0.0010	SESS-5
Silva Elementary School Site #3					
Silva Elementary School Site #3	El Dorado Hills	04/22/99 - 04/23/99	0.0009	0.0009	SESNG-1
		04/23/99 - 04/24/99	ND	0.0010	SESNG-2

		04/26/99 - 04/27/99	ND	0.0008	SESNG-3
		04/27/99 - 04/28/99	ND	0.0010	SESNG-4
		04/28/99 - 04/29/99	ND	0.0009	SESNG-5
Silva Elementary School Site #4	El Dorado Hills	04/22/99 - 04/23/99	0.0019	0.0010	SESSG-1
		04/23/99 - 04/24/99	ND	0.0010	SESSG-2
		04/26/99 - 04/27/99	0.0008	0.0008	SESSG-3
		04/27/99 - 04/28/99	ND	0.0009	SESSG-4
		04/28/99 - 04/29/99	ND	0.0010	SESSG-5
Construction Site	El Dorado Hills	04/21/99 - 04/22/99	ND	0.0010	CONST-1
		04/22/99 - 04/23/99	ND	0.0010	CONST-2
		04/26/99 - 04/27/99	ND	0.0010	CONST-3
		04/27/99 - 04/28/99	ND	0.0010	CONST-4
		04/28/99 - 04/29/99	ND	0.0010	CONST-5
Box Blank		4/29/99	ND	0.0010	BOX-1
Field Blank		4/29/99	ND	0.0010	FIELD-1

NOTES:

1. MDL - Minimum Detection Limit.
2. ND - no asbestos detected.

[Top of page](#) | [Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency



Table 4
Measured Ambient Asbestos Concentrations
Asbestos Monitoring in Garden Valley

This page updated December 10, 1999.

Detailed Listing
 (Updated December 10, 1999)

Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Sample Number
			Measured	MDL ¹	
Golden Sierra High School	Garden Valley	08/16/99	0.0211	0.0008	GS3-1
		08/17/99	0.0009	0.0009	GS3-2
		08/18/99	0.0072	0.0009	GS3-3
		08/19/99	0.0008	0.0008	GS3-4
Garden Valley Park	Garden Valley	08/16/99	ND	0.0008	GVP-1
		08/17/99	0.0036	0.0009	GVP-2
		08/18/99	0.0084	0.0009	GVP-3
		08/19/99	0.0049	0.0010	GVP-4
Garden Valley Site #1	Garden Valley	08/16 - 08/17/99	0.0021	0.0003	GVS1-1
		08/17 - 08/18/99	0.0021	0.0005	GVS1-2
		08/18 - 08/19/99	0.0025	0.0003	GVS1-3
		08/23 - 08/24/99	ND	0.0009	GVS1-5
		08/24 - 08/25/99	0.0019	0.0009	GVS1-6
		08/25 - 08/26/99	0.0019	0.0010	GVS1-7
		Garden Valley Site #2	Garden Valley	08/16 - 08/17/99	0.0050
08/17 - 08/18/99	0.0023			0.0004	GVS2-2
08/18 - 08/19/99	0.0023			0.0003	GVS2-3
08/23 - 08/24/99	0.0010			0.0010	GVS2-5
08/24 - 08/25/99	ND			0.0010	GVS2-6
08/25 - 08/26/99	0.0039			0.0010	GVS2-7
Garden Valley Site #3	Garden Valley			08/16 - 08/17/99	0.0021
		08/17 - 08/18/99	0.0021	0.0004	GVS3-2
		08/18 - 08/19/99	0.0025	0.0003	GVS3-3

		08/23 - 08/24/99	ND	0.0010	GVS3-5
		08/24 - 08/25/99	0.0048	0.0010	GVS3-6
		08/25 - 08/26/99	0.0039	0.0010	GVS3-7
Garden Valley Site #4	Garden Valley	08/16 - 08/17/99	0.0032	0.0004	GVS4-1
		08/17 - 08/18/99	0.0045	0.0003	GVS4-2
		08/18 - 08/19/99	0.0024	0.0003	GVS4-3
		08/23 - 08/24/99	0.0010	0.0010	GVS4-5
		08/24 - 08/25/99	0.0010	0.0010	GVS4-6
		08/25 - 08/26/99	0.0029	0.0010	GVS4-7
Garden Valley Site #5	Garden Valley	08/16 - 08/17/99	0.0038	0.0003	GVS5-1
		08/17 - 08/18/99	0.0041	0.0004	GVS5-2
		08/18 - 08/19/99	0.0027	0.0003	GVS5-3
		08/23 - 08/24/99	ND	0.0010	GVS5-5
		08/24 - 08/24/99	ND	0.0030	GVS5-6
		08/25 - 08/26/99	0.0029	0.0010	GVS5-7

NOTES:

1. MDL - Minimum Detection Limit.
2. ND - no asbestos detected.

[Top of page](#) | [Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency



Table 5
Measured Ambient Asbestos Concentrations
Asbestos Monitoring Around Woedee Drive

This page updated May 12, 2000.

Detailed Listing
 (Updated May 12, 2000)

Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Sample Number
			Measured	MDL ¹	
Vacant Lot					
	Woedee Drive	01/07/00	ND	0.0008	PILE-1
		01/08/00	ND	0.0011	PILE-2
		01/08/00	ND	0.0007	PILE-3
		01/09/00	ND	0.0010	PILE-4
		01/09/00	ND	0.0007	PILE-5
		01/10/00	ND	0.0010	PILE-6
Construction Site					
	Woedee Drive	01/08/00	ND	0.0010	CONST-2
		01/08/00	ND	0.0007	CONST-3
		01/09/00	ND	0.0009	CONST-4
		01/09/00	ND	0.0006	CONST-5
		01/10/00	ND	0.0010	CONST-6
Community Center Pool					
	Woedee Drive	01/07/00	ND	0.0005	POOL-1
		01/08/00	ND	0.0009	POOL-2
		01/09/00	ND	0.0010	POOL-4
		01/09/00	ND	0.0007	POOL-5
		01/10/00	ND	0.0010	POOL-6
Bass Lake					
	Woedee Drive	01/07/00	ND	0.0007	LAKE-1
		01/08/00	ND	0.0008	LAKE-2
		01/08/00	ND	0.0008	LAKE-3
		01/09/00	ND	0.0010	LAKE-4
		01/09/00	ND	0.0008	LAKE-5
		01/10/00	ND	0.0010	LAKE-6

NOTES:

1. MDL - Minimum Detection Limit.
2. ND - no asbestos detected.

[Top of page](#) | [Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency



Table 6
Measured Ambient Asbestos Concentrations
Asbestos Monitoring During Pile Removal Project

This page updated May 12, 2000.

Detailed Listing
 (Updated May 12, 2000)

Location Name	Geographical Area/City	Sampling Dates	Concentration (fibers per cc)		Sample Number
			Measured	MDL ¹	
East	Woedee Drive	02/08/00	ND	0.0007	WDYEAST1-1
		02/09/00	ND	0.0009	WDYEAST2-5
North	Woedee Drive	02/08/00	ND	0.0007	WEYNOR1-2
		02/09/00	ND	0.0009	WEYNOR2-6
South	Woedee Drive	02/08/00	ND	0.0008	WDYSOU1-3
		02/09/00	ND	0.0008	WDYSOU2-7
West	Woedee Drive	02/08/00	ND	0.0008	WDYWES1-4
		02/09/00	ND	0.0008	WDYWES2-8

NOTES:

1. MDL - Minimum Detection Limit.
2. ND - no asbestos detected.

[Top of page](#) | [Asbestos Air Monitoring](#)

A department of the California Environmental Protection Agency

