SFUND RECORDS CTR
1633-03206

Summer 1986 Air Monitoring Program Preliminary Results

The attached data tables are the results of the analyses performed on air samples collected during EPA's summer air monitoring program in August, 1986 in the town of Coalinga, California.

Please, bear in mind that these data are still preliminary. The samples are currently being reanalyzed to ensure accuracy, and additional air sampling is being performed to further verify the results. The following factors should also be considered when reviewing the data:

- Air samples were taken at both the Atlas Asbestos Mine and the Coalinga Asbestos Mine from August 22 to August 28, 1986, using high volume asbestos samplers. Samples were collected during the day and night and averaged 9 hours of continuous monitoring per sample.

- The town of Coalinga, approximately 15 miles from the sites, was initially intended to be a background sample only. The unusually high results in the town itself were unexpected.

- The air concentrations of greatest concern are on page 1 of Table 1, taken at the Coalinga Fire Station. At the Fire Station, asbestos fibers per ACM (Actual Cubic Meter) range from 6,165 fibers/m3 on 8/26 to a high of 1,647,580 fibers/m3 on 8/22 (see below).

- The samples which yielded the highest concentration values were all analyzed by an indirect preparation technique (as noted in the column labeled "comments) due to unexpected overloading of the filters. The laboratory diluted all of the samples analyzed in this manner by a factor of 9.974. Therefore, the fiber counts reported to our analysts were all multiplied by that factor to arrive at the concentrations. Using the indirect preparation method probably resulted in higher values than would have been observed had the filters not been so heavily loaded.

- Meteorological data is not available for the summer air samples in the town although observations by the field crew indicate that the wind had died down on 8/28. The reduced wind possibly created an inversion effect and could be an explanation for the unusually high asbestos concentrations on that day.

- The samples were analyzed by TEM per the NIOSH method.

- The fiber concentrations have been expressed in terms of both actual volumes and standard volumes. For comparing between sites, the standard concentrations are probably more useful. (A volume of air travelling from the Atlas site, for example, to downtown Coalinga would compress approximately 15 percent; correction to standard volumes removes this effect.) The concentrations expressed using actual volumes are more appropriate for comparison to standards.

- The data enclosed are for fibers of all sizes. Long fibers probably comprise less than 5 percent of the total.

TABLE 1

ATLAS AND COALINGA SUMMER AIR MONITORING: PRELIMINARY RESULTS OF ANALYSIS

SAMPLE ID	DATE	PERIOD (9:00-6:00)	LOCATION	CLOVIS PRESS (IN. HG)	SITE PRES. (IN. HG.)	ELEV. (FT. MSL)	ASSUMED SITE TEMP (DEG. K)	ELAPSED TIME (MIN)	INDICATED AVE. FLOW (LPM)	CORR. FLOW (ACT. LPM)	SAMPLE VOLUME (ACM)	TOTAL STRUCTURES	ASBESTOS STRUCTURES	ASBESTOS STRUCTURES PER ACM	ASBESTOS FIBERS	ASBESTOS FIBERS PER ACM	ASBESTOS FIBERS PER SCM	COMMENTS
2156Y-20	8/22/86	DAY	FIRESTATION	29.91	29.24	671	305	516	14.95	15.30	7.89	307,000	285,000	36,100	114,000	14,440	15,124	
2156Y-34	8/23/86	DAY	FIRESTATION	29.92	29.25	671	305	516	14.00	14.33	7.39	190,000	181,000	24,487	47,100	6,372	6,671	
2156Y-48	8/24/86	DAY	FIRESTATION	29.81	29.14	671	305	504	14.50	14.86	7.49	185,000	183,000	24,427	72,500	9,677	10,170	
2156Y-62	8/25/86	DAY	FIRESTATION	29.75	29.08	671	305					279,000	259,000		106,000			FLOW LEAK; SAMPLE VOIDED
2156Y-76	8/26/86	DAY	FIRESTATION	29.83	29.16	671	305	525	8.65	8.86	4.65	394,000	391,000	84,017	199,000	42,760	44,907	
2156Y-90	8/27/86	DAY	FIRESTATION	29.88	29.21	671	305	528	9.25	9.47	5.00	500,000	491,000	98,184	162,000	32,395	33,963	
2156Y-104	8/28/86	DAY	FIRESTATION	29.94	29.27	671	305	594	8.50	8.69	5.16	8,260,000	7,840,000	1,518,071	6,720,000	1,301,204	1,361,390	INDIRECT PREPARATION
MEANS				29.86	29.19			531	11.64	11.92	6.27	1,446,143	1,375,714	297,548	1,060,086	234,475	245,371	
STD. DEV.				0.06	0.06			29	2.86	2.93	1.34	2,783,601	2,641,049	546,585	2,311,137	477,228	499,281	
2156Y-27	8/22/86	NIGHT	FIRESTATION	29.91	29.24	671	295	490	15.50	15.60	7.77	15,300,000	15,000,000	1,930,758	12,800,000	1,647,580	1,668,981	INDIRECT PREPARATION
2156Y-41	8/23/86	NIGHT	FIRESTATION	29.92	29.25	671	295	528	15.50	15.60	8.24	364,000	353,000	42,863	121,000	14,692	14,878	
2156Y-55	8/24/86	NIGHT	FIRESTATION	29.81	29.14	671	295	534	15.50	15.63	8.34	214,000	214,000	25,645	52,800	6,327	6,431	
2156Y-69	8/25/86	NIGHT	FIRESTATION	29.75	29.08	671	295	545	12.75	12.87	7.01	288,000	275,000	39,213	77,400	11,037	11,242	
2156Y-83	8/26/86	NIGHT	FIRESTATION	29.83	29.16	671	295	546	9.58	9.66	5.27	188,000	188,000	35,662	32,500	6,165	6,262	
2156Y-97	8/28/86	NIGHT	FIRESTATION	29.94	29.27	671	295	528	9.38	9.44	4.98	6,250,000	5,960,000	1,196,272	4,810,000	965,447	976,985	INDIRECT PREPARATION
MEANS				29.86	29.19			530	13.04	13.13	6.94	3,767,333	3,665,000	545,069	2,982,283	441,875	447,463	
STD. DEV.				0.07	0.07			16	2.70	2.71	1.35	5,601,968	5,480,414	750,733	4,719,401	642,327	650,524	
2156Y-22	8/22/86	DAY	A-1	29.91	25.58	4330	305	518	11.50	12.58	6.52	211,000	200,000	30,685	73,300	11,246	13,463	
2156Y-26	8/22/68	DAY	A-1 COLL.	29.91	25.58	4330	305	639	14.50	15.87	10.14	217,000	213,000	21,011	87,300	8,611	10,309	
2156Y-35	8/23/86	DAY	A-1	29.92	25.59	4330	305		11.65	12.74		333,000	322,000		198,000			TIME NOT RECORDED
2156Y-36	8/23/86	DAY	A-1 COLL.	29.92	25.59	4330	305	564	11.90	13.02	7.34	260,000	255,000	34,732	104,000	14,165	16,951	
2156Y-50	8/24/86	DAY	A-1	29.81	25.48	4330	305	471	11.80	13.02	6.13	270,000	262,000	42,711	123,000	20,051	24,099	
2156Y-51	8/24/86	DAY	A-1 COLL.	29.81	25.48	4330	305	529	12.00	13.16	6.96	347,000	343,000	49,287	113,000	16,237	19,515	
2156Y-63	8/25/86	DAY	A-1	29.75	25.42	4330	305	510	11.65	12.79	6.52	226,000	226,000	34,656	110,000	16,868	20,320	
2156Y-64	8/25/86	DAY	A-1 COLL.	29.75	25.42	4330	305	555	11.75	12.90	7.16	293,000	293,000	40,936	110,000	15,368	18,514	
2156Y-77	8/26/86	DAY	A-1	29.83	25.50	4330	305	492	11.50	12.60	6.20	234,000	231,000	37,256	93,000	14,999	18,012	
2156Y-78	8/26/86	DAY	A-1 COLL.	29.83	25.50	4330	305	480	11.90	13.04	6.26	748,000	748,000	119,498	344,000	54,956	65,997	
2156Y-91	8/27/86	DAY	A-1	29.88	25.55	4330	305	516	11.50	12.59	6.50	3,150,000	3,060,000	471,028	2,070,000	318,637	381,900	INDIRECT PREPARATION
2156Y-92	8/27/86	DAY	A-1 COLL.	29.88	25.55	4330	305	516	11.75	12.86	6.64	3,250,000	3,180,000	479,085	2,760,000	415,809	498,366	INDIRECT PREPARATION
2156Y-105	8/28/86	DAY	A-1	29.94	25.61	4330	305	540	11.90	13.01	7.03	5,780,000	5,560,000	791,255	4,380,000	623,327	745,334	INDIRECT PREPARATION
2156Y-106	8/28/86	DAY	A-1 COLL.	29.94	25.61	4330	305	534	11.45	12.52	6.69	7,380,000	7,380,000	1,103,804	6,460,000	648,000	774,837	INDIRECT PREPARATION
MEANS				29.86	25.53			528	11.92	13.05	6.93	1,621,357	1,590,929	250,457	1,216,114	167,560	200,586	
STD. DEV.				0.06	0.06			41	0.74	0.80	0.99	2,279,869	2,245,780	340,336	1,933,825	235,782	282,030	
2156Y-29	8/22/86	NIGHT	A-1	29.91	25.58	4330	295	561	12.00	12.91	7.24	140,000	136,000	18,774	50,000	6,902	7,992	
2156Y-30	8/22/68	NIGHT	A-1 COLL.	29.91	25.58	4330	295	450	12.00	12.91	5.81	179,000	156,000	26,847	78,100	13,441	15,563	
2156Y-42	8/23/86	NIGHT	A-1	29.92	25.59	4330	295	540	12.25	13.18	7.12	302,000	293,000	41,171	106,000	14,895	17,239	
2156Y-43	8/23/86	NIGHT	A-1 COLL.	29.92	25.59	4330	295	537	12.25	13.18	7.08	273,000	233,000	32,923	81,200	11,474	13,280	
2156Y-56	8/24/86	NIGHT	A-1	29.81	25.48	4330	295	591	12.25	13.21	7.81	112,000	109,000	13,964	48,900	6,265	7,282	
2156Y-57	8/24/86	NIGHT	A-1 COLL.	29.81	25.48	4330	295	537	12.15	13.10	7.03	340,000	340,000	48,333	128,000	18,196	21,152	
2156Y-70	8/25/86	NIGHT	A-1	29.75	25.42	4330	295	561	12.75	13.76	7.72	440,000	436,000	56,470	199,000	25,774	30,031	
2156Y-71	8/25/86	NIGHT	A-1 COLL.	29.75	25.42	4330	295	522	12.20	13.17	6.87	431,000	419,000	60,952	208,000	30,258	35,256	
2156Y-85	8/26/86	NIGHT	A-1	29.83	25.50	4330	295	276	12.50	13.47	3.72	2,270,000	2,200,000	591,684	1,820,000	489,484	568,546	INDIRECT PREPARATION
2156Y-86	8/26/86	NIGHT	A-1 COLL.	29.83	25.50	4330	295	552	12.15	13.09	7.23	2,790,000	2,740,000	379,072	2,140,000	296,063	343,884	INDIRECT PREPARATION
2156Y-98	8/28/86	NIGHT	A-1	29.88	25.55	4330	295	666	12.25	13.19	8.78	12,300,000	11,800,000	1,343,332	84,700,000	9,642,394	11,177,928	INDIRECT PREPARATION

TABLE 1 (Continued)

ATLAS AND COALINGA SUMMER AIR MONITORING: PRELIMINARY RESULTS OF ANALYSIS

SAMPLE ID	DATE	PERIOD (9:00-6:00)	LOCATION	CLOVIS PRESS (IN. HG)	SITE PRES. (IN. HG.)	ELEV. (FT. MSL)	ASSUMED SITE TEMP (DEG. K)	ELAPSED TIME (MIN)	INDICATED AVE. FLOW (LPM)	CORR. FLOW (ACT. LPM)	SAMPLE VOLUME (ACM)	TOTAL STRUCTURES	ASBESTOS STRUCTURES	ASBESTOS STRUCTURES PER ACM	ASBESTOS FIBERS	ASBESTOS FIBERS PER ACM	ASBESTOS FIBERS PER SCM	COMMENTS
2156Y-99	8/28/86	NIGHT	A-1 COLL.	29.94	25.61	4330	295	672	12.00	12.91	8.67	4,680,000	4,640,000	535,043	41,000,000	4,727,749	5,467,795	INDIRECT PREPARATION
MEANS				29.855	25.525			539	12.23	13.17	7.09	2,021,417	1,958,500	262,380	10,879,933	1,273,575	1,475,496	
STD. DEV.				0.06	0.06			98	0.21	0.23	1.27	3,388,962	3,262,982	384,249	24,904,208	2,831,273	3,280,787	
2156Y-25	8/22/86	DAY	A-2	29.91	25.90	4010	305	510	11.75	12.78	6.52	496,000	486,000	74,586	253,000	38,828	45,908	
2156Y-37	8/23/86	DAY	A-2	29.92	25.91	4010	305	540	12.00	13.05	7.04	303,000	283,000	40,172	134,000	19,021	22,481	
2156Y-52	8/24/86	DAY	A-2	29.81	25.80	4010	305	585	11.75	12.80	7.49	185,000	16,700	2,230	64,200	8,573	10,175	
2156Y-66	8/25/86	DAY	A-2	29.75	25.74	4010	305	564	12.00	13.09	7.38	169,000	16,400	2,222	57,200	7,748	9,218	
2156Y-79	8/26/86	DAY	A-2	29.83	25.82	4010	305	522	11.65	12.69	6.62	187,000	184,000	27,783	85,000	12,834	15,222	
2156Y-93	8/27/86	DAY	A-2	29.88	25.87	4010	305	486	11.75	12.78	6.21	212,000	201,000	32,352	92,400	14,872	17,604	
2156Y-107	8/28/86	DAY	A-2	29.94	25.93	4010	305	564	11.50	12.50	7.05	483,000	483,000	68,525	187,000	26,530	31,332	
MEANS				29.86	25.85			539	11.77	12.81	6.90	290,714	238,586	35,410	124,686	18,344	21,706	
STD. DEV.				0.06	0.06			32	0.17	0.19	0.43	132,131	179,649	26,522	66,831	10,262	12,111	
2156Y-31	8/22/86	NIGHT	A-2	29.91	25.90	4010	295	549	11.75	12.57	6.90	116,000	109,000	15,801	30,800	4,465	5,106	
2156Y-44	8/23/86	NIGHT	A-2	29.92	25.91	4010	295	216	12.25	13.10	2.83	120,000	120,000	42,417	41,600	14,705	16,809	
2156Y-58	8/24/86	NIGHT	A-2	29.81	25.80	4010	295	540	12.38	13.26	7.16	134,000	132,000	18,428	54,800	7,651	8,783	
2156Y-72	8/25/86	NIGHT	A-2	29.75	25.74	4010	295	546	12.00	12.87	7.03	378,000	371,000	52,786	158,000	22,488	25,868	
2156Y-87	8/26/86	NIGHT	A-2	29.83	25.82	4010	295	552	12.15	13.01	7.18	267,000	262,000	36,474	87,400	12,167	13,957	
2156Y-101	8/28/86	NIGHT	A-2	29.94	25.93	4010	295	720	12.00	12.83	9.23	99,000,000	98,400,000	10,656,116	74,700,000	8,089,552	9,240,368	INDIRECT PREPARATION
MEANS				29.86	25.85			521	12.09	12.94	6.72	16,669,167	16,565,667	1,803,670	12,512,100	1,358,503	1,551,815	
STD. DEV.				0.07	0.07			150	0.20	0.22	1.91	36,819,590	36,597,546	3,958,955	27,811,306	3,010,222	3,438,432	
2156Y-23	8/22/86	DAY	C-1	29.91	26.85	3060	305	624	12.00	12.82	8.00	196,000	171,000	21,384	95,600	11,955	13,635	
2156Y-38	8/23/86	DAY	C-1	29.92	26.86	3060	305	516	12.00	12.81	6.61							MISSING; NOT RECD AT LAB
2156Y-53	8/24/86	DAY	C-1	29.81	26.75	3060	305	582	11.50	12.30	7.16	144,000	138,000	19,271	65,100	9,091	10,407	
2156Y-67	8/25/86	DAY	C-1	29.75	26.69	3060	305	282	11.50	12.32	3.47	242,000	240,000	69,090	112,000	32,242	36,993	
2156Y-80	8/26/86	DAY	C-1	29.83	26.77	3060	305	569	11.73	12.55	7.14	188,000	185,000	25,916	37,500	5,253	6,009	
2156Y-95	8/27/86	DAY	C-1	29.88	26.82	3060	305	546	12.00	12.82	7.00							ANALYSIS NOT REC'D.
2156Y-108	8/28/86	DAY	C-1	29.94	26.88	3060	305	544	11.50	12.27	6.68	170,000	170,000	25,459	55,700	8,342	9,503	
MEANS				29.86	26.80			523	11.75	12.56	6.58	188,000	180,000	32,224	73,180	13,376	15,309	
STD. DEV.				0.06	0.06			103	0.23	0.24	1.34	32,373	33,367	18,601	27,032	9,671	11,111	
2156Y-32	8/22/86	NIGHT	C-1	29.91	26.85	3060	295	492	12.00	12.60	6.20	132,000	130,000	20,965	50,500	8,144	8,984	
2156Y-45	8/23/86	NIGHT	C-1	29.92	26.86	3060	295	516	12.50	13.13	6.77	105,000	97,300	14,366	17,500	2,584	2,849	
2156Y-60	8/24/86	NIGHT	C-1	29.81	26.75	3060	295	546	12.15	12.78	6.98	75,200	75,200	10,773	21,800	3,123	3,458	
2156Y-73	8/25/86	NIGHT	C-1	29.75	26.69	3060	295	552	12.38	13.04	7.20	305,000	293,000	40,700	98,600	13,696	15,199	
2156Y-88	8/26/86	NIGHT	C-1	29.83	26.77	3060	295	539	12.25	12.89	6.95	179,000	113,000	16,270	41,700	6,004	6,643	
2156Y-102	8/28/86	NIGHT	C-1	29.94	26.88	3060	295	516	12.00	12.60	6.50	216,000	216,000	33,232	61,900	9,523	10,494	
MEANS				29.86	26.80			527	12.21	12.84	6.77	168,700	154,083	22,718	48,667	7,179	7,938	
STD. DEV.				0.07	0.07			21	0.19	0.20	0.33	76,450	76,208	10,732	27,122	3,826	4,243	

TABLE 1 (Continued)

ATLAS AND COALINGA SUMMER AIR MONITORING: PRELIMINARY RESULTS OF ANALYSIS

SAMPLE ID	DATE	PERIOD (9:00-6:00)	LOCATION	CLOVIS PRESS (IN. HG)	SITE PRES. (IN. HG.)	ELEV. (FT. MSL)	ASSUMED SITE TEMP (DEG. K)	ELAPSED TIME (MIN)	INDICATED AVE. FLOW (LPM)	CORR. FLOW (ACT. LPM)	SAMPLE VOLUME (ACM)	TOTAL STRUCTURES	ASBESTOS STRUCTURES	ASBESTOS STRUCTURES PER ACM	ASBESTOS FIBERS	ASBESTOS FIBERS PER ACM	ASBESTOS FIBERS PER SCM	COMMENTS
2156Y-24	8/22/86	DAY	C-2	29.91	27.24	2670	305	624	13.00	13.70	8.60	200,000	183,000	21,277	60,000	6,976	7,842	
2156Y-39	8/23/86	DAY	C-2	29.92	27.25	2670	305	606	12.00	12.72	7.71	992,000	984,000	127,644	412,000	53,445	60,060	
2156Y-54	8/24/86	DAY	C-2	29.81	27.14	2670	305	570	12.00	12.75	7.27	270,000	267,000	36,748	42,700	5,877	6,631	
2156Y-68	8/25/86	DAY	C-2	29.75	27.08	2670	305	583	11.65	12.39	7.22	270,000	267,000	36,967	42,700	5,912	6,685	
2156Y-82	8/26/86	DAY	C-2	29.83	27.16	2670	305	561	12.00	12.74	7.15	230,000	220,000	30,777	66,300	9,275	10,457	
2156Y-96	8/27/86	DAY	C-2	29.88	27.21	2670	305	591	12.00	12.73	7.52	269,000	269,000	35,754	56,700	7,536	8,481	
2156Y-109	8/28/86	DAY	C-2	29.94	27.27	2670	305	531	12.00	12.72	6.75	134,000	134,000	19,845	44,000	6,516	7,317	
MEANS				29.86	27.19			581	12.09	12.83	7.46	337,857	332,000	44,145	103,486	13,648	15,354	
STD. DEV.				0.06	0.06			28	0.39	0.41	0.54	270,990	270,310	34,725	126,249	16,283	18,291	
2156Y-33	8/22/86	NIGHT	C-2	29.91	27.24	2670	295	540	11.75	12.25	6.62	703,000	682,000	103,080	195,000	29,473	32,047	
2156Y-47	8/23/86	NIGHT	C-2	29.92	27.25	2670	295	510	11.50	11.99	6.11	475,000	466,000	76,211	166,000	27,148	29,508	LAB SAYS SAMPLE UNSATIS.
2156Y-61	8/24/86	NIGHT	C-2	29.81	27.14	2670	295	516	12.00	12.54	6.47							
2156Y-74	8/25/86	NIGHT	C-2	29.75	27.08	2670	295	543	12.00	12.55	6.81	451,000	451,000	66,181	86,100	12,635	13,819	
2156Y-89	8/26/86	NIGHT	C-2	29.83	27.16	2670	295	539	12.00	12.53	6.75	431,000	431,000	63,810	163,000	24,132	26,317	
2156Y-103	8/28/86	NIGHT	C-2	29.94	27.27	2670	295	561	12.35	12.87	7.22	355,000	344,000	47,642	84,300	11,675	12,681	
MEANS				29.86	27.19			535	11.93	12.45	6.66	483,000	474,800	71,305	138,880	21,013	22,874	
STD. DEV.				0.07	0.07			17	0.26	0.27	0.34	117,112	111,895	18,309	45,236	7,434	8,073	
2156Y-21	8/22/86	DAY	A-2					BLANK	0.00									LAB SAYS FILTER BROKEN
2156Y-28	8/22/86	NIGHT	A-1					BLANK	0.00			2,500	0		0			
2156Y-40	8/23/86	DAY	C-2					BLANK	0.00			78,000	78,000		26,000			
2156Y-46	8/23/86	NIGHT	C-1					BLANK	0.00									LAB SAYS FILTER WRINKLED
2146Y-49	8/24/86	DAY	FIRESTATION					BLANK	0.00			0	0		0			
2156Y-59	8/24/86	NIGHT	A-2					BLANK	0.00			7,520	7,520		7,520			
2156Y-65	8/25/86	DAY	A-1					BLANK	0.00			15,300	15,300		11,500			
2156Y-75	8/25/86	NIGHT	C-2					BLANK	0.00			28,200	28,200		9,390			
2156Y-81	8/26/86	DAY	C-1					BLANK	0.00			0	0		0			
2156Y-84	8/26/86	NIGHT	FIRESTATION					BLANK	0.00			0	0		0			
2156Y-94	8/27/86	DAY	A-2					BLANK	0.00			0	0		0			
2156Y-110	8/28/86	DAY	C-2					BLANK	0.00			2,360	0		0			
2156Y-100	8/28/86	NIGHT	A-1					BLANK	0.00			2,470	2,470		0			
MEANS												12,395	11,954		4,946			
STD. DEV.												22,356	22,571		7,885			

TABLE 2

Column	Comments
Sample ID	Sample SAS number.
Date	For night samples, sample began on indicated date.
Location	A1 is upslope from Atlas, A2 is downslope, etc.
Clovis Pressure	Atmospheric pressure as reported by NWS in Clovis (near Fresno), adjusted to sea level, expressed in inches of mercury.
Site Pressure	Assumed pressure at sampling location using $P_s = P_o - Z_s/1000$ where: P_s = site pressure; P_o = sea level pressure (Clovis pressure); Z_s = site elevation in feet.
Elev	Site elevation in feet above mean sea level.
Assumed Site Temp	Pending reduction of measured site data, assumed temperatures were 305K for day samples and 295K for night temperatures (90°F/70°F).
Elapsed Time	Time measured in tenths of an hour by the sampler, converted to minutes.
Indicated Ave. Flow	Average of beginnning and ending flow rates, as indicated by the sampler rotameter in liters per minute.
Corr. Flow	Indicated flow corrected for rotameter response to air density as follows: $F_c = F_i\left(\frac{P_{std}\,T_s}{T_{std}\,P_s}\right)^{1/2}$ where: F_i = indicated flow; F_c = corrected flow rate (in actual liters/min); P_{std} = standard pressure (29.92 "Hg); T_s = site temperature; T_{std} = standard temperature (298°K); P_s = site pressure.
Sample Volume	Sample volume in actual cubic meters.
Total Structures	Total particulate structures per filter as reported by lab.
Asbestos Structures	Total asbestos structures (fibers, bundles, clusters, etc.) per filter as reported by lab.
Asbestos Structures per ACM	Asbestos structures per actual cubic meter. Asbestos structures/sample volume.
Asbestos Fibers	Number of asbestos fibers per filter as reported by lab.
Asbestos Fibers per ACM	Number of asbestos fibers per actual cubic meter, asbestos fibers/sample volume.
Asbestos Fibers per SCM	Number of asbestos fibers per standard cubic meter. This is the number of fibers per cubic meter that would be found if the sample were compressed to standard temperature and pressure.