

Sherwin

SHERWIN ASBESTOS AIR SAMPLES

DATE: October 1, 1998
TO: Homer Cole
FROM: Richard (Rick) Hicks *per*
RE: Asbestos Ambient Air Samples Collected at Sherwin Plant - August 1998.

PLAINTIFF'S EXHIBIT

RMC-680

During the month of August there were Thirty-five (35) asbestos area samples collected at the Sherwin Plant. The samples were collected and analyzed utilizing the NIOSH 7400 Analytical Method.

One Hundred percent (100%) of the samples were < 50% of the Reynolds Occupational Exposure Limits (OEL) of 0.1 f/cc.

Ninety-one percent (91%) of the samples analyzed were below the detection limits of the NIOSH 7400 Analytical Method.

Sample ID # 11998 was rejected due to overload of debris.

The following information pertains to Non-friable Asbestos Containing Material removed in the 35 Building, Middle Section of the HVAC Duct. The data was collected on August 29th and 30th, 1998:

Samples 12000, 12001, 12002 and 12003 were sent to an independent lab and a TEM analysts was used to read these samples. Sample ID # 11988 and 11989 indicate higher fiber counts than the others taken in the same abatement area. These samples were not read using a TEM.

Do to the high number of fibers in the #2 Boiler Burner area Sample ID # 11874 was sent to an independent lab and was read using a TEM.

See the attached table for a summary of the information.

If you have any question regarding this data please contact me at (512) 777-2574.

RMC080014010020746

Reynolds Metals Company
Sherwin Alumina Plant
Industrial Hygiene - Attachment 2.1-12
Asbestos Ambient Air Samples



Reynolds Metals Company
Sherwin Alumina Plant
Asbestos Ambient Air Samples
August 1998

2.0	1	IH-TIER 3
1 of 1	1	

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
11755	8/3/98	Area 1 Field Caustic Transfer Pump Piping	0845	1433	< .01
11768	8/4/98	Facility 30, 2-3 Heater Piping	0825	1500	< .01
11769	8/4/98	Facility 30, 2-3 Heater Piping	0827	1457	< .01
11776	8/5/98	Facility 30, 2-3 Heater Piping	1000	1430	< .01
11777	8/5/98	Facility 30, 2-3 Heater Piping	1003	1430	< .01
11816	8/11/98	Facility 110, #2 Boiler Wind Box	1049	1430	< .01
11817	8/11/98	Facility 110, #2 Boiler Wind Box	1050	1430	< .01
11841	8/17/98	#3 Rod Mill - Oil Steam Lines	1130	1600	< .01
11842	8/17/98	#3 Rod Mill - Oil Steam Lines	1130	1600	< .01
11849	8/17/98	Fac. 110, #2 Boiler Steam Motor Valve Station Piping	0746	1430	< .01
11850	8/17/98	Fac. 110, #2 Boiler Steam Motor Valve Station Piping	0749	1430	< .01
11857	8/18/98	Fac. 110, #2 Boiler Steam Motor Valve Station Piping	0658	1100	< .01
11858	8/18/98	Fac. 110, #2 Boiler Steam Motor Valve Station Piping	0700	1100	< .01
11874	8/18/98	#2 Boiler Burner	1430	1600	< .04
11883	8/19/98	#3 Digester, 3-5 Heater	0925	1240	< .01
11897	8/19/98	#2 Boiler Windbox	1630	1930	< .01
11898	8/19/98	#2 Boiler Windbox	1630	1930	< .01
11903	8/20/98	Fac. 110, #2 Boiler Wind Box	0652	1530	< .01

RMC080014010020747

Reynolds Metals Company
Sherwin Alumina Plant
Industrial Hygiene - Attachment 2.1-12
Asbestos Ambient Air Samples

3-2-98	10-2-98	3-11-98
2.0	1	IH-TIER 3
	2 of 1	1

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
11934	8/21/98	Fac. 110, #2 Boiler Wind Box	0657	1615	< .01
11944	8/24/98	Fac. 110, #2 Boiler Wind Box	0711	1456	< .01
11915	8/24/98	Fac. 110, 100# & 150# Steam Line	0852	1021	< .02
11916	8/24/98	Fac. 110, 100# & 150# Steam Line	1057	1447	< .01
11972	8/26/98	#9 Evap, 3 rd 4 th , Effect 8" Feed Line	1300	1600	< .01
11979	8/27/98	#2 Digester, 2-4 Heater Piping	0707	1435	< .01
12040	8/27/98	Fac. 110, #2 Boiler Wind Box	0730	0845	< .03
12041	8/27/98	Fac. 110, #2 Boiler Wind Box	0734	0845	< .03
11988	8/29/98	35 Building Middle Section A/C Duct	1225	1535	.03
11989	8/29/98	35 Building Middle Section A/C Duct	1228	1535	.04
11998	8/30/98	35 Building Middle Section A/C Duct	0733	1620	Rejected due to overload of debris
11999	8/30/98	35 Building Middle Section A/C Duct	0735	1302	< .01
12000	8/30/98	35 Building Middle Section A/C Duct	0850	1300	< .0015
12001	8/30/98	35 Building Middle Section A/C Duct	0855	1620	< .0008
12002	8/30/98	35 Building Middle Section A/C Duct	1300	1620	< .0019
12003	8/30/98	35 Building Middle Section A/C Duct	1305	1620	< .0019
11990	8/31/98	#2 Boiler 850# Steam Line	1000	1100	< .04

• READ BY INDEPENDENT LABORATORY: GEMINI INC. - TEM

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October 9, 1998