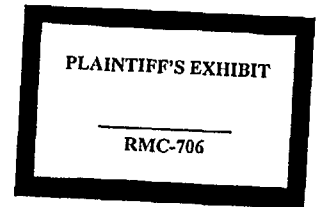

SHERWIN ASBESTOS AIR SAMPLES

DATE: March 23, 1999

TO: Homer Cole

FROM: Richard (Rick) Hicks *2011*

RE: Asbestos Ambient Air Samples Collected at Sherwin Plant - February 1999.



During the month of February there were Forty (40) asbestos area samples collected at the Sherwin Plant. The samples were collected and analyzed utilizing the NIOSH 7400 Analytical Method.

Ninety-six (96%) of the samples that were taken were < 50% of the Reynolds Occupational Exposure Limits (OEL) of 0.1 f/cc. One Hundred (100%) of the samples analyzed were below the detection limits of the NIOSH 7400 Analytical Method. See the attached table for a summary of the information.

Note:

Samples 13786, 13793, 13822 duration times were slightly longer than an Excursion and no fibers were observed during the counting procedure. The length of time and volume of air caused the Concentrations (f/cc) TWAs to be higher.

Sample 13756 was voided.

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

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

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Reynolds Metals Company
Sherwin Alumina Plant
Asbestos Ambient Air Samples
February 1999

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc) TW/A
13574	2/2/99	Fac. 148 Warehouse Bathroom Tile	0745	1110	< .01
13575	2/2/99	Fac. 148 Warehouse Bathroom Tile	0745	1110	< .01
13595	2/2/99	Powerhouse #8 Boiler	1253	1510	< .02
13582	2/4/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0758	1300	< .01
13583	2/4/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0806	1304	< .01
13629	2/8/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0844	1545	< .01
13630	2/8/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0847	1547	< .01
13637	2/9/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0658	1500	< .01
13638	2/9/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0701	1459	< .01
13663	2/10/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0714	1333	< .01
13664	2/10/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0716	1332	< .01
13674	2/11/99	#3 Evaporator	1005	1457	< .01
13675	2/11/99	#3 Evaporator	1010	1455	< .01
13687	2/16/99	#3 Evaporator	0748	0954	< .02
13688	2/16/99	#3 Evaporator	0746	0951	< .02
13748	2/16/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0745	1500	< .01
13749	2/16/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0750	1506	< .01
13756	2/17/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0730	-----	Voided
13757	2/17/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0741	1527	< .01

* EXCURSION

Fm/Aursum
10/97

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

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Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc) (TWA)
13764	2/18/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0708	1501	< .01
13765	2/18/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0710	1500	< .01
13776	2/22/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0809	1351	< .01
13777	2/22/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0812	1348	< .01
13800	2/24/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0733	1346	< .01
13801	2/24/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0735	1347	< .01
13807	2/25/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0710	1031	< .01
13808	2/25/99	Fac. 45 Abandoned Steam Line Header Feeding the PPT's	0711	1030	< .01
13706	2/8/99	3-9 Flash Tank	1255	1550	< .01
13716	2/9/99	3-9 Flash Tank	0720	1547	< .01
13728	2/10/99	3-9 Flash Tank	0715	1425	< .01
13669	2/11/99	Fac. 111 600# Steam Line	0745	1048	< .01
13670	2/11/99	Fac. 111 600# Steam Line	0748	1052	< .01
13654	2/11/99	Powerhouse #8 Boiler	0728	1105	< .01
13744	2/18/99	Line North of ECH Locker Room	0958	1415	< .01
13745	2/18/99	Line North of ECH Locker Room	0959	1415	< .01
13786	2/22/99	Abandoned Piping Between 1 & 2 Digester Units	1305	1350	< .04
13792	2/23/99	#5 Digester Train Safety Deck	0845	0940	< .03
13793	2/23/99	#5 Digester Train Safety Deck	0900	0940	< .04
13828	2/24/99	#6 Evaporator Circ. Cond. Loop	1314	1345	< .08*
13822	2/25/99	#6 Evaporator Circ. Cond. Loop	1308	1350	< .0600

* EXCURSION
Area0299.doc

March 22, 1999