Misc a
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SHERWIN ASBESTOS AIR SAMPLES

DATE: June 30, 1997

TO: Linda Maillet

FROM: CAK Craig Kimmel

RE: Asbestos Ambient Air Samples Collected at Sherwin Plant (May 1997).

PLAINTIFF'S EXHIBIT

RMC-697

During the month of May there were eighty-one (81) asbestos area samples collected at the Sherwin Plant. The samples were collected and analyzed at the Sherwin Air Lab utilizing the NIOSH 7400 Analytical Method.

One-hundred percent (100%) of the samples were below the Permissible Exposure Limit (PEL) established by OSHA. Ninety-seven percent (97%) of the samples analyzed were below the detection limit of the NIOSH 7400 Analytical Method. Two (2) of the samples were occluded by the microscopist analyzing the samples. See the attached table for a summary of the information.

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

Reynolds Metals Company

Sherwin Alumina Plant
Asbestos Ambient Air Samples
May 1997

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
5989	05/01/97	4 Evap. 1 & 2 Effect Vapor Htr Btm Cones	0704	1529	< .01
5990	05/01/97	4 Evap. 1 & 2 Effect Vapor Htr Btm Cones	0704	1528	< .01
6015	05/01/97	5-6 Flash Tank Slurry Line	0800	1040	< .02
6034	05/01/97	3-18 Heater - Bottom Inspection Port	0900	1115	< .02
5978	05/02/97	4 Evaporator 5th Effect Botttom Cone & Piping	0700	1100	< .01
6101	05/02/97	4 Evaporator Cones	0730	1610	< .01
6043	05/05/97	50# Steam Lines- 4 Unit Vapor Valve Deck	1245	1545	< .01
6055	05/06/97	4 Dig. 4-2 F.T. Separator Steam Line	0746	1109	< .01
6056	05/06/97	4 Dig. 4-2 F.T. Separator Steam Line	0743	1108	< .01
6129	05/06/97	4 Filter Feed Tank	0700	1130	< .01
6069	05/07/97	4 Dig. 4-6 F. T. Separator Steam Line	0714	1027	< .01
6070	05/07/97	4 Dig. 4-6 F. T. Separator Steam Line	0715	1028	< .01
6073	05/07/97	4 Unit Condensate Line, NE Corner	0730	1600	< .01
6074	05/07/97	4 Unit Condensate Line, NE Corner	0730	1600	< .01
6116	05/07/97	9 Evap. Beneath 4 & 5 Effects	1245	1545	< .02
6094	05/08/97	9 Evaporator, 4th & 5th Effect	0840	1310	< .01
6095	05/08/97	9 Evaporator, 4th & 5th Effect	0840	1310	< .01
6119	05/08/97	Fac. 141, South End of Lab	0720	1120	< .01

Asbestos Ambient Air Samples
(cont)
May 1997

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
6120	05/08/97	Fac. 141, South End of Lab	0720	1120	< .01
6121	05/08/97	Fac. 141, South End of Lab	0720	1240	< .01
6124	05/09/97	9 Evaporator 1,2,3,4 & 5th Effects Top	1630	2030	< .01
6125	05/09/97	9 Evaporator 1,2,3,4 & 5th Effects Top	1630	2030	< .01
6126	05/09/97	9 Evaporator 1,2,3,4 & 5th Effects Top	1630	2030	< .01
6144	05/12/97	Fac. 22 #3 Rod Mill	1310	1620	< .01
6145	05/12/97	Fac. 22 #3 Rod Mill	1300	1625	< .01
6146	05/12/97	Fac. 22 #3 Rod Mill	1305	1630	< .01
6153	05/13/97	9 Evaporator Effects & Preheater Bottoms	0030	0730	< .01
6154	05/13/97	9 Evaporator Effects & Preheater Bottoms	0031	0730	< .01
6155	05/13/97	9 Evaporator Effects & Preheater Bottoms	0032	0730	< .01
6156	05/13/97	9 Evaporator Effects & Preheater Bottoms	0033	0730	< .01
6158	05/13/97	9 Evaporator Effects & Preheater Bottoms	0035	0930	< .01
6159	05/13/97	9 Evaporator Effects & Preheater Bottoms	0036	0930	< .01
6160	05/13/97	9 Evaporator Effects & Preheater Bottoms	0500	0930	< .01
6180	05/13/97	Fac. 22 #3 Rod Mill	0630	1500	< .01
6181	05/13/97	Fac. 22 #3 Rod Mill	0635	1505	< .01
6182	05/13/97	Fac. 22 #3 Rod Mill	0635	1505	< .01
6189	05/13/97	4 Digester Separator Steam Lines	0720	1550	< .01

Asbestos Ambient Air Samples
(cont)
May 1997

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
6190	05/13/97	4 Digester Separator Steam Lines	0720	1550	< .01
6191	05/13/97	4 Digester Separator Steam Lines	0720	1550	< .01
6204	05/13/97	3-1 F.T.	1250	1425	< .03
6211	05/14/97	4 Digester Separator Steam Lines	0700	1500	< .01
6212	05/14/97	4 Digester Separator Steam Lines	0700	1500	< .01
6251	05/14/97	8 Evaporator 5th Effect Bottom Piping	1045	1523	< .01
6252	05/14/97	8 Evaporator 5th Effect Bottom Piping	1047	1524	< .01
6253	05/14/97	8 Evaporator 5th Effect Bottom Piping	1048	1525	< .01
6254	05/14/97	8 Evaporator 5th Effect Bottom Piping	1050	1525	< .01
6223	05/15/97	Facility 142 - Restroom	0900	1400	< .01
6225	05/15/97	Facility 142 - Restroom	0900	1400	< .01
6383	05/15/97	#1 TG Line Valves & #7 Boiler Valve	1032	1523	< .01
6384	05/15/97	#1 TG Line Valves & #7 Boiler Valve	1115	1639	< .01
6385	05/15/97	#1 TG Line Valves & #7 Boiler Valve	1034	1523	.05
6261	05/19/97	#8 Evaporator 4th & 5th Effect Bottoms	0837	1413	.01
6262	05/19/97	#8 Evaporator 4th & 5th Effect Bottoms	0835	1414	< .01
6366	05/19/97	Facilty 26 Piperack	1430	1730	< .02
6367	05/19/97	Facility 26 Piperack	1430	1730	< .02
6267	05/20/97	1 Boiler, Platform #3	0900	1130	< .02

Asbestos Ambient Air Samples
(cont)
May 1997

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
6268	05/20/97	1 Boiler, Platform #3	0900	1130	< .02
6275	05/20/97	3 Evaporator Preheaters	0720	1600	< .01
6278	05/20/97	3 Evaporator Preheaters	0735	1600	< .01
6286	05/20/97	#8 Evaporator, 4th & 5th Effect Bottoms & Level Troy Pot	0735	1537	< .01
6287	05/20/97	#8 Evaporator, 4th & 5th Effect Bottoms & Level Troy Pot	0739	1536	< .01
6290	05/21/97	#8 Evaporator Piping	0657	1105	< .01
6291	05/21/97	#8 Evaporator Piping	0658	1106	< .01
6294	05/21/97	#9 Evaporator Level - Troy on 4th Effect	1102	1447	< .01
6295	05/21/97	#9 Evaporator Level - Troy on 4th Effect	1103	1448	< .01
6370	05/21/97	#3-9 Flash Tank	0850	1335	Occluded
6371	05/21/97	#3-9 Flash Tank	0850	1350	Occluded
6380	05/28/97	3-4 F.T.	0630	1445	< .01
6388	05/28/97	#1 Unders Tank	0815	1615	< .01
6398	05/29/97	#1 Unders Tank	0700	1100	< .01
6424	05/29/97	#3 Evaporator	1505	1620	< .02
6443	05/29/97	#5 Filter Feed Tank	1400	1830	< .01
6444	05/29/97	#5 Filter Feed Tank	1400	1830	< .01

Asbestos Ambient Air Samples
(cont)
May 1997

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
6406	05/28/97	5-5 Dig. Train Vessels	0745	1614	< .01
6415	05/29/97	5-5 Dig. Train Vessels	0713	1552	< .01
6461	06/02/97	5-5 Dig. Train Vessels	0710	1553	< .01
6482	06/03/97	5-5 Dig. Train Vessels	0712	1540	< .01
6500	06/04/97	5-5 Dig. Train Vessels	0711	1630	< .01
6515	06/05/97	5-5 Dig. Train Vessels	0712	1613	< .01
6620	06/09/97	5-5 Dig. Train Vessels	0711	1558	< .01
6639	06/10/97	5-5 Dig. Train Vessels	0707	1553	< .01