
S H E R W I N A S B E S T O S A I R S A M P L E S

DATE: June 9, 1997

TO: Linda Maillet, CIH, CSP

FROM:  Craig Kimmel, CIH

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

PLAINTIFF'S EXHIBIT

RMC-696

During the month of April there were seventy-seven (77) 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.

All seventy-seven (77) of the samples were below the detection limit of the method and the OSHA exposure limit of 0.1 f/cc (see the attached table).

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
April 1997

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Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
5495	04/01/97	4-1 & 4-4 Heater Steam Lines	0715	1545	< .01
5496	04/01/97	4-1 & 4-4 Heater Steam Lines	0715	1545	< .01
5510	04/02/97	4-1 thru 4-4 Heater Steam Lines	0710	1600	< .01
5511	04/02/97	4-1 thru 4-4 Heater Steam Lines	0710	1600	< .01
5514	04/03/97	2-3 Flash Tank	1000	1600	< .01
5515	04/03/97	2-3 Flash Tank	1000	1605	< .01
5516	04/03/97	2-3 Flash Tank	1005	1610	< .01
5517	04/03/97	2-3 Flash Tank	1005	1608	< .01
5531	04/03/97	4-2 & 4-3 Heater Steam Lines	0700	1600	< .01
5532	04/03/97	4-2 & 4-3 Heater Steam Lines	0700	1600	< .01
5544	04/03/97	9 Evaporator-1,2,3,4 Effect & 1,2 Heaters	0830	1415	< .01
5545	04/03/97	9 Evaporator-1,2,3,4 Effect & 1,2 Heaters	0830	1415	< .01
5546	04/03/97	9 Evaporator-1,2,3,4 Effect & 1,2 Heaters	0830	1415	< .01
5585	04/05/97	8 Evaporator-3rd Effect	0630	1000	< .01
5586	04/05/97	8 Evaporator-3rd Effect	0630	1015	< .01
5564	04/07/97	4-1, 4-2, 4-4, 4-5 and 4-10 Heater Steam Lines	0715	1600	< .01
5565	04/07/97	4-1, 4-2, 4-4, 4-5 and 4-10 Heater Steam Lines	0715	1600	< .01
5572	04/08/97	4-8 Heater Steam Lines	0715	0930	< .02
5573	04/08/97	4-8 Heater Steam Lines	0715	0930	< .02
5593	04/08/97	5 Digester 5-4 F.T. Slurry Lines	0747	1431	< .01
5595	04/08/97	5 Digester 5-4 F.T. Slurry Lines	0745	1429	< .01
5612	04/09/97	4-3 Heater Steam Lines	0730	1600	< .01

RMC:080014010020820

Asbestos Ambient Air Samples (cont)
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Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
5613	04/09/97	4-3 Heater Steam Lines	0730	1600	<.01
5630	04/09/97	5 Digester 5-1 F.T. Slurry Disch. Lines	0745	1556	<.01
5631	04/09/97	5 Digester 5-1 F.T. Slurry Disch. Lines	0748	1558	<.01
5634	04/09/97	5 Digester 5-1 F.T. Slurry Disch. Lines	0723	1025	<.01
5635	04/09/97	5 Digester 5-1 F.T. Slurry Disch. Lines	0721	1023	<.01
5669	04/10/97	4-1 Heater Steam Lines	0715	1545	<.01
5670	04/10/97	4-1 Heater Steam Lines	0715	1545	<.01
5688	04/15/97	Facility 142 - Resistor for Electric Shop	0840	0913	<.06
5689	04/15/97	Facility 142 - Resistor for Electric Shop	0840	0913	<.06
5713	04/15/97	4-5, 4-8 & 4-9 Heater	0809	1535	<.01
5714	04/15/97	4-5, 4-8 & 4-9 Heater	0812	1530	<.01
5729	04/16/97	22 #2 Rod Mill	0915	1600	<.01
5730	04/16/97	22 #2 Rod Mill	0915	1600	<.01
5731	04/16/97	22 #2 Rod Mill	0920	1610	<.01
5732	04/16/97	22 #2 Rod Mill	0925	1610	<.01
5762	04/16/97	4-2 Heater Steam Lines	0645	1530	<.01
5763	04/16/97	4-2 Heater Steam Lines	0645	1530	<.01
5770	04/17/97	4-2 Heater Steam Lines	0700	1000	<.01
5771	04/17/97	4-2 Heater Steam Lines	0700	1000	<.01
5775	04/17/97	22 #2 Rod Mill	0700	1145	<.01
5776	04/17/97	22 #2 Rod Mill	0700	1145	<.01
5777	04/17/97	22 #2 Rod Mill	0705	1150	<.01

RMC080014010020821

Asbestos Ambient Air Samples (cont)
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Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
5778	04/17/97	22 #2 Rod Mill	0710	1150	<.01
5696	04/19/97	8 Evap	0900	1500	<.01
5793	04/21/97	8 Evaporator-50# Steam Line	0935	1410	<.01
5794	04/21/97	8 Evaporator-50# Steam Line	0935	1410	<.01
5795	04/21/97	8 Evaporator-50# Steam Line	0935	1410	<.01
5798	04/21/97	4 Evap Good Water Line	0900	1500	<.01
5799	04/21/97	4 Evap Good Water Line	0900	1500	<.01
5850	04/21/97	5 Digester 5-1 Flash Tank Slurry Line 6"	0749	1410	<.01
5851	04/21/97	5 Digester 5-1 Flash Tank Slurry Line 6"	0752	1418	<.01
5852	04/21/97	5 Digester 5-1 Flash Tank Slurry Line 6"	0815	1419	<.01
5806	04/22/97	4-7 Flash Tank Slurry Line	0730	1400	<.01
5807	04/22/97	4-7 Flash Tank Slurry Line	0730	1400	<.01
5818	04/22/97	1 Generator 300# check valve	0830	0920	<.04
5819	04/22/97	1 Generator 300# check valve	0830	0920	<.04
5820	04/22/97	1 Generator 300# check valve	1310	1410	<.03
5821	04/22/97	1 Generator 300# check valve	1310	1410	<.03
5898	04/22/97	4 Evaporator - 1 & 2 Recirculating Lines	1256	1600	<.01
5899	04/22/97	4 Evaporator - 1 & 2 Recirculating Lines	1258	1600	<.01
5828	04/23/97	1 Generator 50# Relief Valve	0900	1030	<.02
5829	04/23/97	1 Generator 50# Relief Valve	0900	1030	<.02
5902	04/23/97	4 Evaporator - 1 & 2 Recirculating Lines	0654	1025	<.01

RMC 080014010020822

Asbestos Ambient Air Samples (cont)
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Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
5903	04/23/97	4 Evaporator - 1 & 2 Recirculating Lines	0658	1025	<.01
5863	04/26/97	33 Maintenance Shack	0655	2215	<.01
5923	04/28/97	#9 Evaporator 50# Steam Line	1000	1630	<.01
5924	04/28/97	#9 Evaporator 50# Steam Line	1000	1630	<.01
5938	04/28/97	#1 Turbine Generator	0930	1400	<.01
5939	04/28/97	#1 Turbine Generator	0930	1405	<.01
5940	04/28/97	#1 Turbine Generator	0930	1405	<.01
5927	04/29/97	#9 Evaporator 50# Steam Line	0640	0935	<.02
5928	04/29/97	#9 Evaporator 50# Steam Line	0640	0935	<.02
5934	04/29/97	4-3, 4-4 Heaters Shell Side	0800	1555	<.01
5954	04/30/97	4-3, 4-4 Heaters Shell Side	0700	1430	<.01

RMC080014010020823