Reynolds Metals Company
Sherwin Alumina Plant

DOCUMENT AND DATA CONTROL - Attachment 5-4
Document Transmittal Form (Typical)

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DATE: 11 / 11 / 97

CONTROL NO: CC2

PLAINTIFF'S EXHIBIT
RMC-700

DOCUMENT	REVISION	REMARKS
Asbestos Ambient Air Samples / Sept 97	t	

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: November 7, 1997

TO: Homer Cole

FROM: CK Craig Kimmel

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

During the month of September there were eighty-one (81) 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 Limit (OEL) of 0.1 f/cc. Ninety-five percent (95%) of the samples analyzed were below the detection limit of the NIOSH 7400 Analytical Method. Four (4) samples were occluded by the microscopist. 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

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
8237	09/02/97	Scott Electric (Lime Line)	0830	1130	< .01
8238	09/02/97	Scott Electric (Lime Line)	0830	1135	< .01
8099	09/02/97	Sodium Sulfide Storage Tank	1300	1330	< .07
8094	09/03/97	24-1 Switchhouse Electrical Threshhold	0717	1117	< .01
8151	09/04/97	4 Digester Heater Tops 11-18	0825	1345	< .01
8152	09/04/97	4 Digester Heater Tops 11-18	0825	1345	.03
8153	09/04/97	4 Digester Heater Tops 11-18	0825	1345	< .01
8176	09/08/97	P.H. Superheater Control Valves	1300	1430	< .02
8177	09/08/97	P.H. Superheater Control Valves0	1305	1435	Occluded
8164	09/07/97	3 Evaporator 1 & 2 Effect Nozzles & 5th Effect Nozzle & Cond. Pot	1311	1617	< .01
8165	09/07/97	3 Evaporator 1 & 2 Effect Nozzles & 5th Effect Nozzle & Cond. Pot	1313	1617	< .01
8166	09/07/97	3 Evaporator 1 & 2 Effect Nozzles & 5th Effect Nozzle & Cond. Pot	1309	1616	< .01
8167	09/07/97	3 Evaporator 1 & 2 Effect Nozzles & 5th Effect Nozzle & Cond. Pot	1310	1616	< .01
8245	09/09/97	Barometric Line	1300	1530	< .02
8246	09/09/97	Barometric Line	1300	1535	< .02
8184	09/09/97	Washer Wash Water Station #3	1004	1725	< .01
8186	09/09/97	Washer Wash Water Station #3	1000	1728	< .01
8187	09/09/97	Washer Wash Water Station #3	1000	1726	< .01

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
8272	09/10/97	5 Digester Vertical Heaters (5-5, 5-6, 5-7,5-8)	0900	1500	Occluded
8273	09/10/97	5 Digester Vertical Heaters (5-5, 5-6, 5-7,5-8)	0910	1515	< .01
8274	09/10/97	5 Digester Vertical Heaters (5-5, 5-6, 5-7,5-8)	0905	1520	< .01
8303	09/11/97	5 Digester Piperack Mastic	0800	1530	< .01
8304	09/11/97	5 Digester Piperack Mastic	0810	1540	< .01
8262	09/11/97	3 Evaporator 2nd Effect	1400	1525	< .02
8254	09/11/97	#3 Washer Wast Water Station	1114	1601	< .01
8255	09/11/97	#3 Washer Wast Water Station	1115	1601	< .01
8268	09/15/97	Facility 22, Mill Liquor Tank	0830	1055	<.01
8269	09/15/97	Facility 22, Mill Liquor Tank	0835	1100	< .01
8281	09/15/97	#3 Rod Mill	0845	0950	< .04
8282	09/15/97	#3 Rod Mill	0845	0950	< .04
8285	09/15/97	#1 Rod Mill	1305	1340	< .06
8316	09/16/97	5 Digester Heater Blowdown Lines	0740	1236	< .01
8317	09/16/97	5 Digester Heater Blowdown Lines	0740	1236	< .01
8329	09/16/97	#5 Digester Barometric Lines	1300	1530	< .02
8330	09/16/97	#5 Digester Barometric Lines	1300	1530	< .02
8323	09/17/97	5 Digester Heater Blowdown Lines	0751	1130	< .01
8324	09/17/97	5 Digester Heater Blowdown Lines	0751	1130	< .01
8338	09/17/97	#3 Wash Water Tank	0900	1530	< .01
8391	09/17/97	#3 Wash Water Tank	0915	1550	< .01
8363	09/17/97	4-11 & 4-12 Heater Body	0730	1522	< .01
8376	09/18/97	4-11 & 4-12 Heater Body	0637	1522	Occluded

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
8383	09/19/97	4-11 & 4-12 Heater Body	0704	1814	< .01
8370	09/18/97	#4 Air Compressor Line	1445	1605	< .03
8371	09/18/97	#4 Air Compressor Line	1445	1605	< .03
8430	09/18/97	#3 Wash Water Tank	0700	1140	< .01
8432	09/18/97	#3 Wash Water Tank	0630	1130	< .01
8294	09/17/97	5-5 Heater Outboard	1001	1446	< .01
8408	09/22/97	Facility 22, Mill Liquor Tank	1044	1550	< .01
8427	09/23/97	Facility 22, Mill Liquor Tank	0650	1445	< .01
8466	09/23/97	#9 Evaporator Condensate Line	1045	1120	Occluded
8498	09/23/97	5 Digester Barometric Lines	0800	1500	< .01
8499	09/23/97	5 Digester Barometric Lines	0800	1500	< .01
8469	09/24/97	3-5 Flash Tank Vapor Line to Derby	0815	0930	< .03
8476	09/24/97	Facility 22, Mill Liquor Tank	0659	1531	< .01
8536	09/24/97	5 Digester Heater Blowdown Lines	0722	1152	< .01
8537	09/24/97	5 Digester Heater Blowdown Lines	0722	1152	< .01
8494	09/25/97	Facility 22, Mill Liquor Tank	0702	1443	< .01
8543	09/25/97	5 Digester Heater Blowdown Lines	0825	1329	< .01
8544	09/25/97	5 Digester Heater Blowdown Lines	0825	1329	< .01
8588	09/26/97	33 Wash Water Tank	0905	1530	< .01
8632	9/26/97	#1 Evaporator Circulating Line	0740	1525	< .01
8574	09/29/97	Facility 22, Mill Liquor Tank	0654	1648	< .01
8635	09/29/97	3 Digester Line Slurry Blinds to DFP	0810	1610	< .01
8636	09/29/97	3 Digester Line Slurry Blinds to DFP	0814	1615	< .01

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc)
8637	09/29/97	3 Digester Line Slurry Blinds to DFP	0818	1620	< .01
8640	09/30/97	3 Digester Line Slurry Blinds to DFP	0655	1315	< .01
8641	09/30/97	3 Digester Line Slurry Blinds to DFP	0657	1315	< .01
8642	09/30/97	3 Digester Line Slurry Blinds to DFP	0705	1555	< .01
8663	09/30/97	Powerhouse Fuel Oil Tank Piping	0814	1514	< .01
8664	09/30/97	Powerhouse Fuel Oil Tank Piping	0814	1515	< .01
8667	10/01/97	Powerhouse Fuel Oil Tank Piping	0717	1510	< .01
8668	10/01/97	Powerhouse Fuel Oil Tank Piping	0717	1511	< .01
8671	10/02/97	Powerhouse Fuel Oil Tank Piping	0711	1505	< .01
8672	10/02/97	Powerhouse Fuel Oil Tank Piping	0711	1505	< .01
8734	10/07/97	Powerhouse Fuel Oil Tank Piping	0725	1345	< .01
8735	10/07/97	Powerhouse Fuel Oil Tank Piping	0725	1345	< .01
8600	09/30/97	3 Digester (8,9,10)	1000	1300	<. 02
8601	09/30/97	3 Digester (8,9,10)	1000	1300	<. 02
8614	09/30/97	7 ESP Duct Gasket	1030	1130	< .03
8653	10/01/97	3 Digester Line Slurry Blinds to DFP	0655	1315	< .01
8654	10/01/97	3 Digester Line Slurry Blinds to DFP	0657	1455	< .01