

mc
R45 *[Signature]*

SHERWIN ASBESTOS AMBIENT AIR SAMPLES

DATE: May 26, 1999

TO: Homer Cole

FROM: Richard (Rick) Hicks

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

PLAINTIFF'S EXHIBIT

RMC-708

During the month of April there were thirty-three (33) asbestos ambient area samples collected at the Sherwin Plant. The samples were collected and analyzed utilizing the NIOSH 7400 Analytical Method.

Asbestos ambient air samples are collected throughout the Sherwin Plant. Typically they are collected in the clean area adjacent to an asbestos abatement project. The project may be a full enclosure, glovebag, or other approved abatement method. The samples serve as a means to ensure the abatement method was conducted properly. The sample also serves as a means to collect data throughout the Plant and helps demonstrate that levels are well below the Occupational Exposure Limit.

Asbestos abatement jobs vary in the amount of time in which may be needed for their completion. Sample results may appear elevated due to short run times and low volumes of air that were needed to complete an asbestos abatement job. The short duration of some removal projects effects the minimum detection limit of the analytical method and therefore the concentration may appear elevated. For those short projects the goal is to achieve a less than value "<" for the concentration.

One hundred percent (100%) 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.

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

RMC080014010020875

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
April 1999

Sample ID (RMC Number)	Sample Date	Location/Area	Start Time	Stop Time	Concentration (f/cc) TWA
14169	4/5/1999	3-11 Flash Tank	0900	1618	<.01
14180	4/6/1999	3-10 Flash Tank	0802	1447	<.01
14215	4/7/1999	9 Evaporator Back End Feed Line	0706	0915	<.02
14221	4/12/1999	Powerhouse 450# Desuperheater Control Valve	0842	0945	<.03
14242	4/12/1999	#9 Boiler Mastic Duct Work	0805	1447	<.01
14243	4/12/1999	#9 Boiler Mastic Duct Work	0808	1445	<.01
14254	4/14/1999	#9 Boiler Mastic Duct Work	0712	1430	<.01
14255	4/14/1999	#9 Boiler Mastic Duct Work	0716	1430	<.01
14196	4/12/1999	#8 Evaporator Feed Pump	1035	1135	<.03
14262	4/13/1999	#8 Evaporator Switchhouse	1250	1435	<.02
14269	4/14/1999	#8 Evaporator Gasket	0715	0735	<.09 *
14301	4/19/1999	#8 Evaporator Feed Pump	0815	1120	<.01
14208	4/13/1999	300/145 PRV	0740	1421	<.01
14209	4/13/1999	300/145 PRV	0741	1420	<.01
14231	4/14/1999	Fac. 225 Slurry Discharge Pumps Piping	0848	1445	<.01
14232	4/14/1999	Fac. 225 Slurry Discharge Pumps Piping	0848	1448	<.01
14258	4/15/1999	Fac. 225 Clinker Ball Mill Piping & Effluent Hoppers	0830	1330	<.01
14259	4/15/1999	Fac. 225 Clinker Ball Mill Piping & Effluent Hoppers	0832	1333	<.01
14308	4/20/1999	300/145 PRV 8" Line	1236	1431	<.02

* EXCURSION

Tim Vroom
10/97

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RMC080017-9020877