Union Carbide
Agricultural Products Company, Inc.
Institute Plant

INDUSTRIAL HYGIENE SAMPLING RESULTS

TO: Mr. P. J. Morris
Building 23
Institute Plant

COPIES TO: Mr. M. Adkins, Jr.
Mr. C. R. Thomas
Mr. L. W. Youngblood

Purpose: _____ Quarterly _____ Semiannually _____ Annually
_____ Regulatory Agency Inspection __x__ Other (See Comments)

Sample Date(s): December 19, 1985
Sample Location: MIC-II Unit - Maint. Comp. 7 Department No.: 327
Process/Activity: Pipe insulation removal
Contaminant: Asbestos
Exposure Limit: OSHA 2 fibers/cc ACGIH _____
UCC _____
Sample Type: __x__ Personal __x__ Area _____ Source
_____ Surface Wipe _____ Other (See comments)
Analytical Method: NIOSH 7400
Results: _____ See Comments __x__ See Attached Table

COMMENTS: A Maintenance Complex 7 insulator/painter was monitored for exposure to airborne asbestos fibers on the above date. Area concentrations of airborne asbestos fibers were measured too. Monitoring was performed while insulation was being stripped from pipes that were lying on a plastic sheet inside the dike wall that surrounds the old phthalic anhydride tanks at the MIC-II Unit. It was not necessary to wet the insulation as it was being removed because it had become water logged and, at the time of removal, was frozen due to the cold weather. Nevertheless, respirators and protective clothing were worn by the three men performing the work.

Since the airborne fiber concentration was unknown at the time of sampling, two sets of samples (having different sample times) were taken to insure that at least one of the sets would produce valid results. All monitoring results were below the lower calibration limit for the analytical

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INDUSTRIAL HYGIENE SAMPLING RESULTS - CONTINUED

method, which is well below the OSHA permissible exposure limit. Area concentrations and personal exposures to airborne asbestos fibers were maintained at safe levels during this job.

RECOMMENDATIONS: None

Report Date: January 14, 1986

Signed: Erik A. Osby Bldg. 2 Room: 172 Phone 6105

NOTE: ALL PERSONAL SAMPLE RESULTS MUST BE DISCUSSED WITH THE PARTICIPATING EMPLOYEE

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INDUSTRIAL HYGIENE SAMPLING RESULTS

WORKPLACE LOCATION: MIC-II Unit, Maint. Comp. 7 SAMPLER'S NAME: E. A. Osby

CONTAMINANT: Asbestos REPORT DATE: January 14, 1986

Sample Number	Sample Date	Sample Description	Sample Time (min.)	Sample Results (fibers/cc)
		INSULATOR/PAINTER		
W-4409-1	12-19-85	D. C. Chambers	60	< 0.10
W-4409-4	12-19-85	D. C. Chambers	18	< 0.32
				TWA=< 0.02
W-4409-2	12-19-85	East side of insulation removal site - 3 feet from activity.	60	< 0.10
W-4409-5	12-19-85		16	< 0.36
W-4409-3	12-19-85	Northwest side of insulation removal site - 5 feet from activity.	60	< 0.10
W-4409-6	12-19-85		15	< 0.38

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UCC 009009

ENVIRONMENTAL HEALTH LABORATORY
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LABORATORIES IN MACON, GA. AND HARTFORD, CT.

RECEIVED
JAN 17 1986
SAFETY - I. H.

LABORATORY ANALYSIS REPORT

To: E. A. Osby

Account: Union Carbide Argricultural Products Co., Inc.

Location: P. O. Box 2831
Charleston, WV 25301

Report No.: 86A0007 Revised

Purchase Order No.: N/A

Date Received: 01-03-86

Date Reported: 01-14-86

Analysis: Fiber Count
Analytical Method: NIOSH 7400; Phase Contrast Microscopy;
Walton-Beckett Reticle; 450 x magnification

Sample No. (AA)	Air Volume (Liters)	Fibers, longer than 5 microns, per cc of air.
W-4409-1	120	<0.095
W-4409-2	120	<0.095
W-4409-3	120	<0.095
W-4409-4	36	<0.32
W-4409-5	32	<0.36
W-4409-6	29.8	<0.38

cc= Cubic Centimeter.

A blank filter was not provided. We recommend that a blank be submitted with each set of samples so that the sampling media can be checked for possible interferences or background contamination.

A04025

Chemist _____ Date: _____

Jeanne A. Gibbs

< = Less than.