

JAN '84

TO : Sam Ellis Jr.
FROM : David Horecka

DISMANTLEMENT & REARRANGEMENT ASBESTOS REMOVAL - PERIPHERY MONITORING

Monitoring was done to ensure that the barricaded boundaries around the old Nylon block are below the TLV for Asbestos of 0.5 fibers/cc > 5 microns/cc in length. Samples were taken downwind of the project. A total of ten "spot checks" were made on three different days, to allow for variations in weather data and work load changes.

The samples were obtained using NIOSH Analytical Method P&CAM 239. Calibrated Dupont P-4000, and Bendix 44 high flow sampling pumps were used to pull ambient air through a 37 mm cassette with a Millipore AAWHP 0.8 um MCE filter in line. Airborne Asbestos fibers were trapped on the filter.

The cassettes were analyzed by the Clayton Environmental Consultants, Inc. for Asbestos fibers greater than 5 Microns in length (fibers/filter). The results (Table I) show that Asbestos periphery levels are well below the TLV.

DUP 0814594

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

DUP 0814595

Analytical Laboratory Report

Mr. David L. Horecka

Lab 550

E I DUPONT DE NEMOURS & COMPANY, INC

P.O. Box 2626, Victoria Plant

Victoria, TX 77902

Date Reported: 20-FEB-84

Date Received: 16-FEB-84

CEC Job No.: 20667-17

P.O. No.: LOV-40833/45-L

Lab Number	Sample Description	Fibers Greater Than 5 Microns in Length (fibers/filter)
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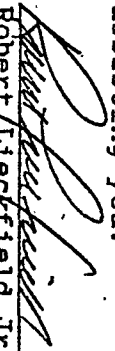
306623	AS-1	4,000
306624	AS-2	3,000
306625	AS-3	<3,000
306626	AS-4	8,000
306627	AS-5	overloaded with particulate--unable to analyze
306628	AS-6	3,000
306629	AS-7	4,000
306630	AS-8	3,000
306631	AS-9	42,000
306632	AS-10	3,000

Limit of Detection: 3,000 fibers/filter

Analytical Method (NIOSH): P&CAM 239

In the calculation of airborne concentrations, care should be used in the interpretation of results when using values of below 28,000 fibers/filter (corresponding to a count of 10 fibers/100 fields) as NIOSH states that the statistical variation of the asbestos method is greatly increased at low fiber counts.

Please contact us at (313) 424-8860 if you have any questions. It has been a pleasure assisting you.


Robert Lieckfield Jr., C.I.H.
Manager, Laboratory Services
Southfield Office

DU 009896

TABLE -

DUP 0814596

ASBESTOS REMOVAL - PERIPHERY MONITORING

LN.	DATE	LOCATION	ANAL. METHOD	ST. TIME	TIME HR.	VOL. LITER	TLV	RESULTS
943	1-26-84	South of Bldg. 520, next to woodlined ditch.	NIOSH P&CAM 239	0845	6.82	1,440	.5 Fibers/cc > 5 Microns/cc	.003 Fibers/cc > 5 Microns/cc
944	1-26-84	South of Bldg. 520, next to woodlined ditch.	"	"	"	1,166	"	.003 Fibers/cc > 5 Microns/cc
945	1-26-84	South of Bldg. 520, next to woodlined ditch.	"	"	"	1,534	"	<.002 Fibers/cc > 5 Microns/cc
946	1-27-84	South of Bldg. 520, next to woodlined ditch.	"	0800	7.67	1,619	"	.005 Fibers/cc > 5 Microns/cc
947	1-27-84	South of Bldg. 520, next to woodlined ditch.	"	"	"	1,311	"	Overloaded With Particulate--Unable To Analyze
948	1-27-84	South of Bldg. 520, next to woodlined ditch.	"	"	"	1,725	"	.002 Fibers/cc > 5 Microns/cc
957	2-03-84	South of Bldg. 520, next to woodlined ditch.	"	0830	7.00	1,478	"	.003 Fibers/cc > 5 Microns/cc
958	2-03-84	South of Bldg. 518, next to woodlined ditch.	"	"	"	1,197	"	.003 Fibers/cc > 5 Microns/cc
959	2-03-84	South of Bldg. 516, next to woodlined ditch.	"	"	"	1,575	"	.027 Fibers/cc > 5 Microns/cc
960	2-03-84	South of Bldg. 514, next to woodlined ditch.	"	0850	6.83	917	"	.003 Fibers/cc > 5 Microns/cc

* This was the only Bendix 44 Pump that was used, Dupont P-4000 Pumps were used on all other monitoring.

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