

May 16, 1984

TO : S. W. Ellis Jr.
FROM : David Horecka

DISMANTLEMENT & REARRANGEMENT ASBESTOS REMOVAL - PERIPHERY MONITORING

Monitoring was done on April 9, 1984 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. Five "spot checks" were made to allow for variations in weather data and work load changes. (Sample location and weather data are noted in Tables II and III.)

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 show that Asbestos periphery levels are well below the TLV (Table I).

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CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
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: 11-MAY-84
Date Received: 07-MAY-84
CEC Job No.: 21666-17
P.O. No.: LOV-43439-L

Dear Mr. Horecka:

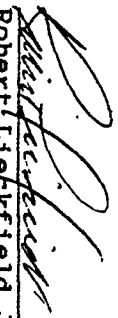
The samples which you submitted to us have been analyzed as requested; the results are compiled in the following table.

Lab Number	Sample Description	Fibers Greater Than 5 Microns in Length (fibers/filter)
318561	AS-11	6,000
318562	AS-12	4,000
318563	AS-13	<3,000
318564	AS-14	3,000
318565	AS-15	6,000

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 Lieckfeld Jr., C.I.H.
Manager, Laboratory Services
Southfield Office

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ASBESTOS REMOVAL - PERIPHERY MONITORING

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TABLE III
WEATHER DATA

SCALED DATA FROM MINI-NPH						
TIME	WIND SPEED	WIND DIR.	AMBIENT TEMP.	BAROMETRIC PRESSURE	RELATIVE HUMIDITY	
(N=0, E=90)			(TEMPERATURE)			
100 1523	10.400	173.080	87.300	29.128	27.000	
100 1517	15.000	157.320	87.900	29.132	27.000	
100 1457	14.400	174.240	89.100	29.136	28.900	
100 1447	8.400	170.280	88.200	29.140	29.200	
100 1427	9.400	200.520	87.700	29.146	28.100	
100 1417	8.000	142.200	88.500	29.150	29.000	
100 1352	14.800	194.720	87.450	29.158	25.800	
100 1347	11.400	195.040	87.900	29.162	26.000	
100 1327	13.400	159.120	88.200	29.162	31.200	
100 1317	11.800	172.840	87.750	29.168	29.500	
100 1287	12.800	155.960	87.450	29.174	32.100	
100 1247	11.000	202.680	88.650	29.175	31.900	
100 1227	14.000	201.960	88.350	29.186	31.200	
100 1217	11.800	174.240	88.950	29.188	34.800	
100 1157	11.200	205.200	88.950	29.170	34.600	
100 1147	15.800	192.400	84.600	29.194	35.900	
100 1126	11.400	165.240	83.400	29.198	39.600	
100 1117	13.000	207.720	83.400	29.204	39.900	
100 1054	7.600	181.240	82.500	29.202	42.200	
100 1046	12.200	186.120	81.300	29.212	43.300	
100 1037	12.010	180.558	86.287	29.171	32.640	
100 1030	2.408	18.160	8.169	0.927	3.111	

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DU 009800