June 18, 1984

PLAINTIFF'S
EXHIBIT
DUP-1890

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

DISMANTLEMENT & REARRANGEMENT ASBESTOS REMOVAL - PERIPHERY MONITORING

Additional monitoring was done to ensure that the fenced boundaries around the D & R job at the old Nylon block are below the TLV for Asbestos. (Short Term Exposure Limit - 10 Fibers/cc > 5 Microns/cc, 8-Hr. Time Weighted Average - 0.5 Fibers/cc > 5 Microns/cc. The samples were taken on June 5, 1984 downwind of the project. Seven "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 un MCE filter in line. Airborne Asbestos fibers were trapped on the filter.

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

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TABLE I

ASBESTOS REMOVAL - PERIPHERY MONITORING

LN.	DATE	* LOCATION	ANAL. METHOD	ST. TIME	TIME HR.	VOL. LITER	TLV	RESULT STEL	RESULT 8-HR. TWA
1012	6-05-84	Cassette # AS-27 Fence Corner NW of Bldg. 520	NIOSH P&CAM 239	0845	6.25	1342.5	8-HR. TWA .5 Fibers/cc >5 Microns/cc	.002 Fibers/cc >5 Microns/cc	.002 Fibers/cc >5 Microns/cc
1013	6-05-84	Cassette # AS-28 30 Ft. W1 of Fence Corner NW of Bldg. 520	"	"	"	1102.5	STEL 10 Fibers/cc >5 Microns/cc	.005 Fibers/cc >5 Microns/cc	.004 Fibers/cc >5 Microns/cc
1014	6-05-84	Cassette # AS-29 50 Ft. NW of Fence Corner NW of Bldg. 520	"	"	-	-		Sample Invalid Torn Filter	Sample Invalid Torn Filter
1015	6-05-84	Cassette # AS-30 72 Ft. NW of Fence Corner NW of Bldg. 520	"	"	6.25	828.2		.005 Fibers/cc >5 Microns/cc	.004 Fibers/cc >5 Microns/cc
1016	6-05-84	Cassette # AS-31 94 Ft. NW of Fence Corner NW of Bldg. 520	"	"	"	798.6		.008 Fibers/cc >5 Microns/cc	.006 Fibers/cc >5 Microns/cc
1017	6-05-84	Cassette # AS-32 124 Ft. NW of Fence Corner NW of Bldg. 520	"	"	"	965.1		<.003 Fibers/cc >5 Microns/cc	<.002 Fibers/cc >5 Microns/cc
1018	6-05-84	Cassette # AS-33 13 Ft. S. of Fence Corner NW of Bldg. 520	"	"	"	1011.1		<.003 Fibers/cc >5 Microns/cc	<.002 Fibers/cc >5 Microns/cc

* Pump Locations Are Noted In Table II

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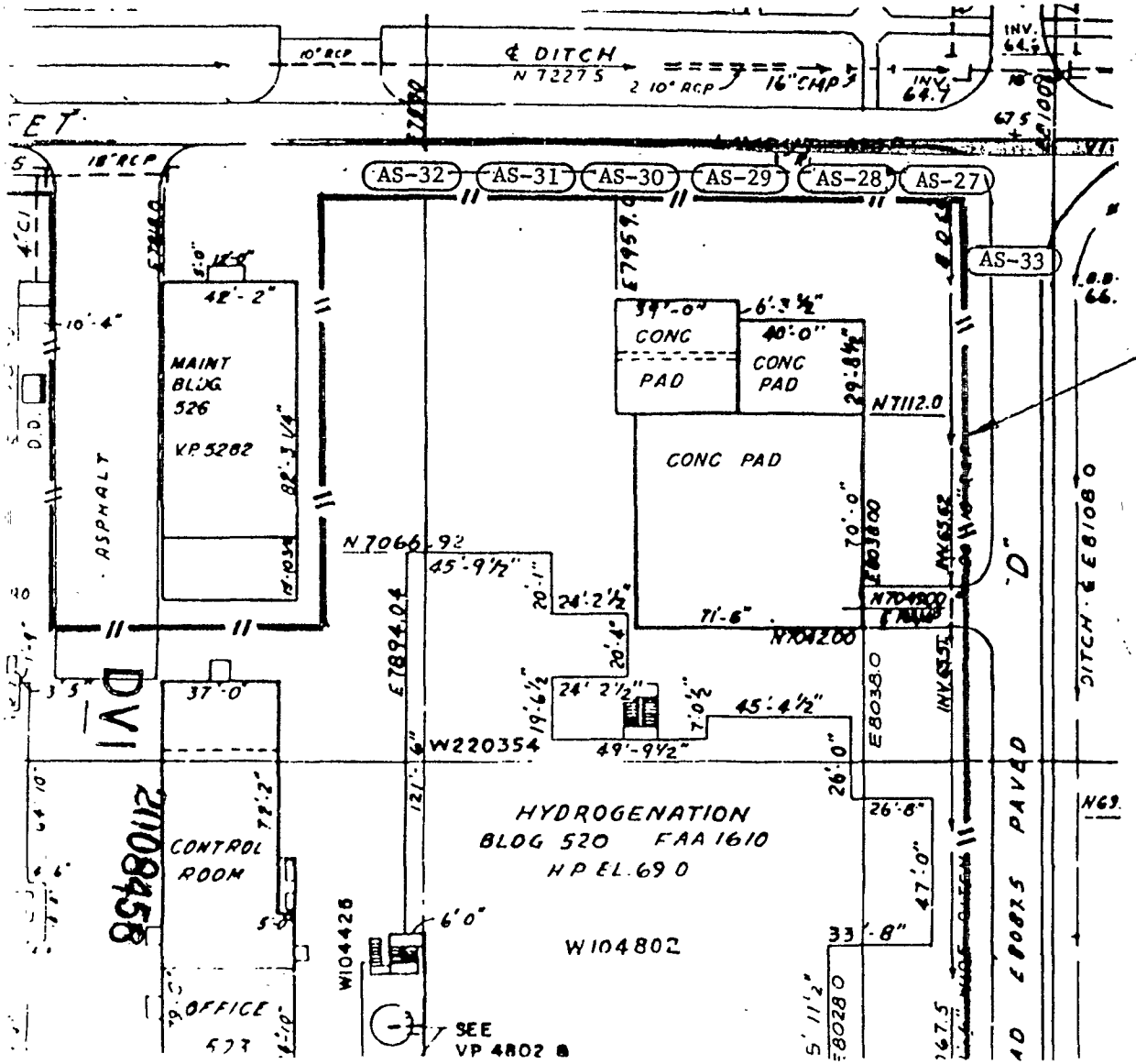
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TABLE II

D & R ASBESTOS REMOVAL PUMP LOCATIONS

6-5-84

by David Horecka



FENCE BY CONTRACTOI

AS-27	Northwest Fence Corner
AS-28	30 Ft. West of NW Corner
AS-29	50 Ft. West of NW Corner
AS-30	72 Ft. West of NW Corner
AS-31	94 Ft. West of NW Corner
AS-32	124 Ft. West of NW Corner
AS-33	13 Ft. Sorth of NW Corner

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TABLE III

DATE 6/ 6/84 TIME 909 SCALED DATA FROM MINI NPH

DAY	TIME	WIND SPEED	WIND DIR. (N=0,E=90)	AMBIENT TEMPERATURE	BAROMETRIC PRESSURE	RELATIVE HUMIDITY
157	1459	7.800	146.160	84.450	28.166	80.500
157	1449	17.000	156.960	84.750	28.250	81.500
157	1429	17.000	165.600	87.000	28.248	77.600
157	1419	14.200	159.480	85.800	28.224	78.900
157	1359	8.400	153.360	85.950	28.182	79.600
157	1349	21.600	156.240	86.850	28.296	77.200
157	1329	19.000	157.320	84.300	28.278	82.000
157	1319	13.200	150.120	83.400	28.222	84.900
157	1259	13.200	159.480	83.850	28.218	82.800
157	1249	7.000	167.400	83.700	28.158	79.200
157	1229	16.600	172.800	82.650	28.244	82.200
157	1219	5.800	169.200	82.350	28.154	82.500
157	1159	8.600	180.720	81.300	28.172	85.900
157	1149	5.200	187.560	80.400	28.152	91.300
157	1129	9.200	187.560	80.250	28.186	94.100
157	1119	9.000	179.640	81.450	28.186	87.000
157	1059	10.800	180.720	81.450	28.198	88.000
157	1049	9.200	188.640	80.550	28.184	90.100
157	1029	8.000	186.840	80.850	28.180	90.000
157	1019	3.600	181.800	80.550	28.136	90.900
157	959	6.600	168.840	80.100	28.158	92.900
157	949	9.400	156.960	79.950	28.188	94.800
157	929	7.400	180.360	79.800	28.170	98.100
157	920	7.400	172.800	80.400	28.168	91.400
157	859	10.200	186.840	80.400	28.200	88.800
157	849	15.800	171.720	80.850	28.242	88.600
AVG.		10.815	170.197	82.437	28.198	86.185
SIGMA		4.574	12.857	2.258	0.040	5.751

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DU 009906

DUP 0814606

Analytical Laboratory

[illegible], Station 53-A
E I DUPONT DE NEMOURS & COMPANY, INC.
P.O. Box 2626, Victoria Plant
Victoria, TX 77902

Date Reported: 22-JUN-84
Date Received: 18-JUN-84
CEC Job No.: 22151-17
P.O. No.: LOV-44591-L

DU 009907

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)
325462	AS 27	3,000
325463	AS 28	6,000
325464	AS 29	-- *
325465	AS 30	4,000
325466	AS 31	6,000
325467	AS 32	<3,000
325468	AS 33	<3,000

Limit of Detection: 3,000 fibers/filter
Analytical Method (NIOSH): P&CAM 239

* The filter was torn and could not be analyzed.

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.

DV1 2008460

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