Calidria ASBESTOS

UNION CARBIDE
THE DISCOVERY COMPANY

UNION CARBIDE CORPORATION • MINING & METALS DIVISION • P.O. BOX 579 • NIAGARA FALLS, N.Y. 14302 • TEL: 716-285-3311

October 17, 1972

Marco Chemical Division
W. R. Grace & Company
Route 60 West
Bartow, Florida

Dear Sir:

We would like to have your permission to use the information obtained in the course of the tests conducted at your facility and to furnish it to other parties without identifying your facility as the location at which measurements were taken. The tests shall consist of taking measurements by the membrane filter method of airborne asbestos fiber generated in the course of one or more phases of your manufacturing operations.

If you agree to the foregoing, please so indicate by signing and returning the enclosed copy of this letter. Such action on your part shall constitute authorization to take such measurements at your facility and to use and disclose said information as detailed in this letter.

Very truly yours,

E. J. Kleber
Customer Service Representative

Accepted and Agreed to

this 18 day of

October, 1972:

Dr. Gerald H. Browne
Plt. Mgr.

PLAINTIFF'S EXHIBIT

UC-4519

X402375

[redacted] MARCO - BARTOW

1 - BACKGROUND - LOCATED 3 FT ABOVE CHARGE HOLE @ THIN TANK #1 (92 MIN)
0.09 F/ml - 0.05 MMPPCF
CAB-O-SIL DUMP.

2 - PERSONAL - DUMPING APPROX 20 BAGS CAB-O-SIL INTO THIN TANK #2 (14 MIN)
0.25 F/ml - 0.32 MMPPCF

3 - ENV - BAG "DROPPING" AREA 3 FT FROM CHARGE HOLE 5½ FT OFF FLOOR (16 MIN) DURING DUMP.
0.49 F/ml - 0.16 MMPPCF

4 - ENV - 1ST DECK UNDER MIXER, CATCHING "FALLOUT" (21 MIN) DURING DUMP
0.18 F/ml - 0.10 MMPPCF

5 - ENV - DIRECTLY OVER BAGS AFTER DUMP (NEXT TO DUST COLLECTOR) (41 MIN)
0.18 F/ml - 0.11 MMPPCF.

6 - Same as #3 AFTER DUMP (39 MIN)
0.09 F/ml - 0.12 MMPPCF

X402376

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RG-244 DUMP

-7 PERSONAL — DUMPING ABOUT ~~20~~ 15 BAGS RG244 INTO THIN TANK #1 (24 min)
~~0.3~~ 0.68 f/ml — ~~0.07~~ 0.34 mmpcf

-8 ENV. BAG DISPOSAL AREA — 5 FT FROM (23 min) CHANGE HOUSE, DIRECTLY OVER BAGS
0.62 f/ml — 0.05 mmpcf

-9 ENV. 1ST DECK ON #1 THIN TANK (24 min).
0.3 f/ml — 0.07 mmpcf

-10 — ENV. BAG STORAGE OVER BAGS After DUMP. NEXT TO DUST COLLECTOR (24 m). 0.41 f/ml — 0.11 mmpcf

X402377

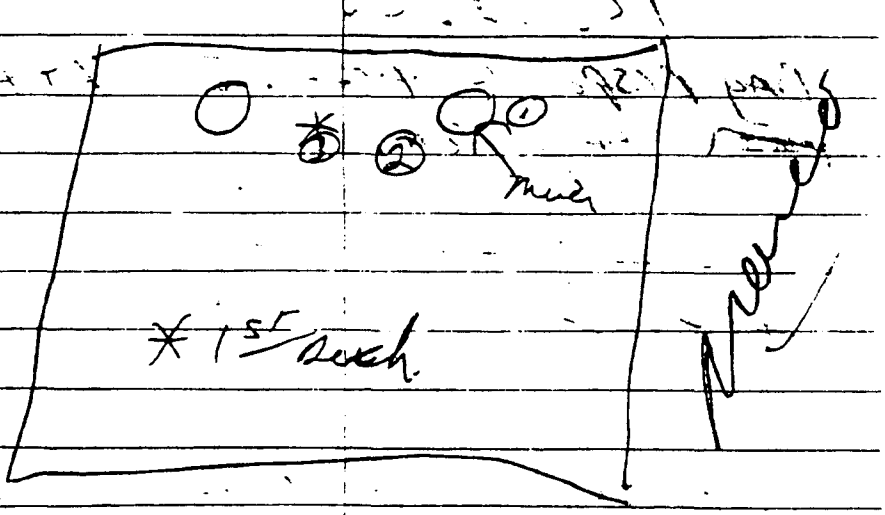
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3 Loops "A" Layout Station

1927
0:59 THIS TANK #1
ENVIRONMENTAL - APPROX 3 FT
ABOVE CHARGE HOLE
EXHAUST NOT ON. RUNS TO
DUST COLLECTOR IN BLDG.
BLEND ROOM 2ND DOOR

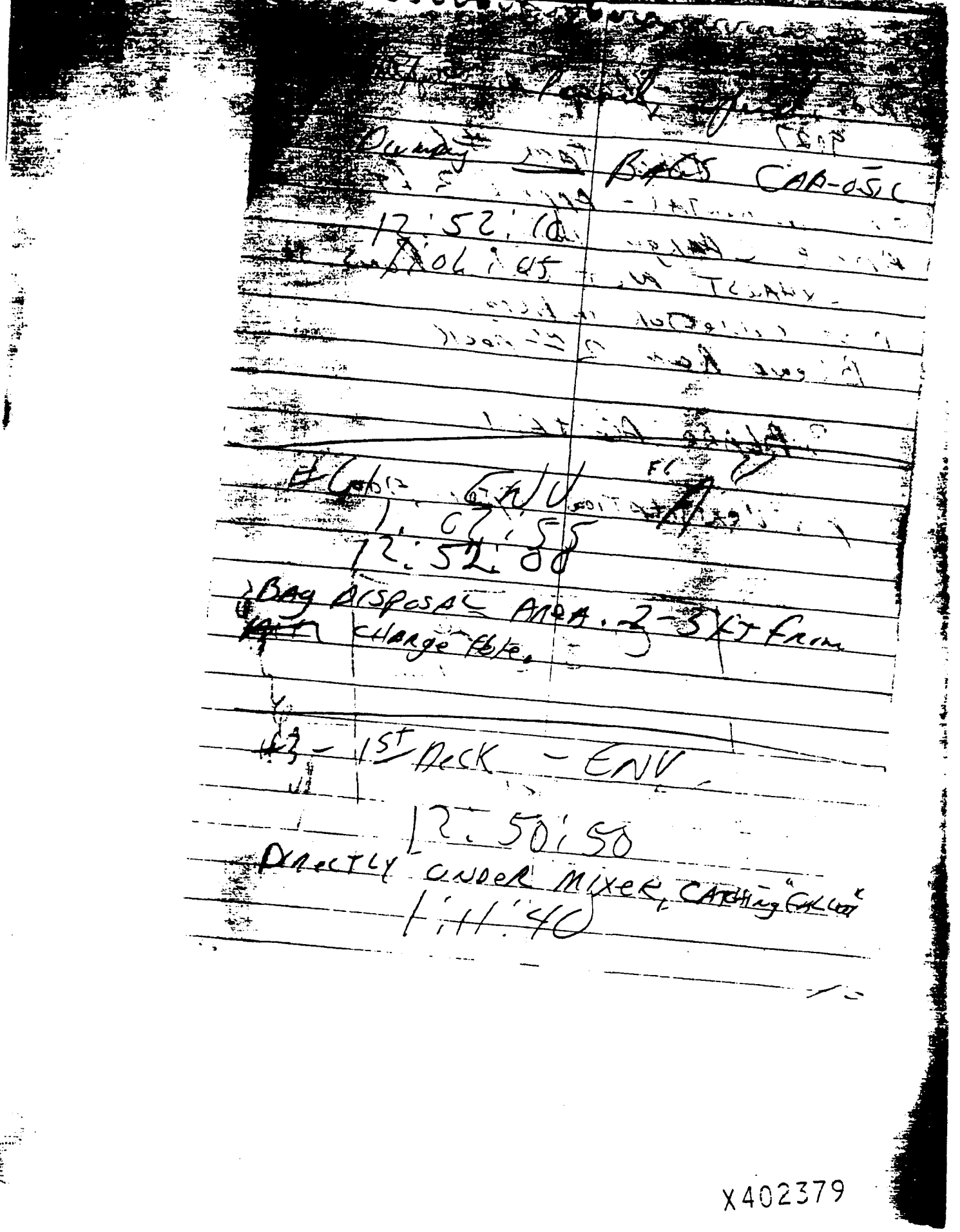
3 BLADE AGITATOR

NO VENTILATION OPEN DOOR



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X402379

THIN TANK

3'21'00 - 3'45'30

#47 - [illegible]

DISPOSAL AREA
ON STAIRS 15FT FROM
HOLE

3'20'00
3'45'30

#51 - Personnel - Clerk

Duplex — Bldg #6 2nd

3'20'00
3'41'30

X402380

Bag Storage

Load - Direct

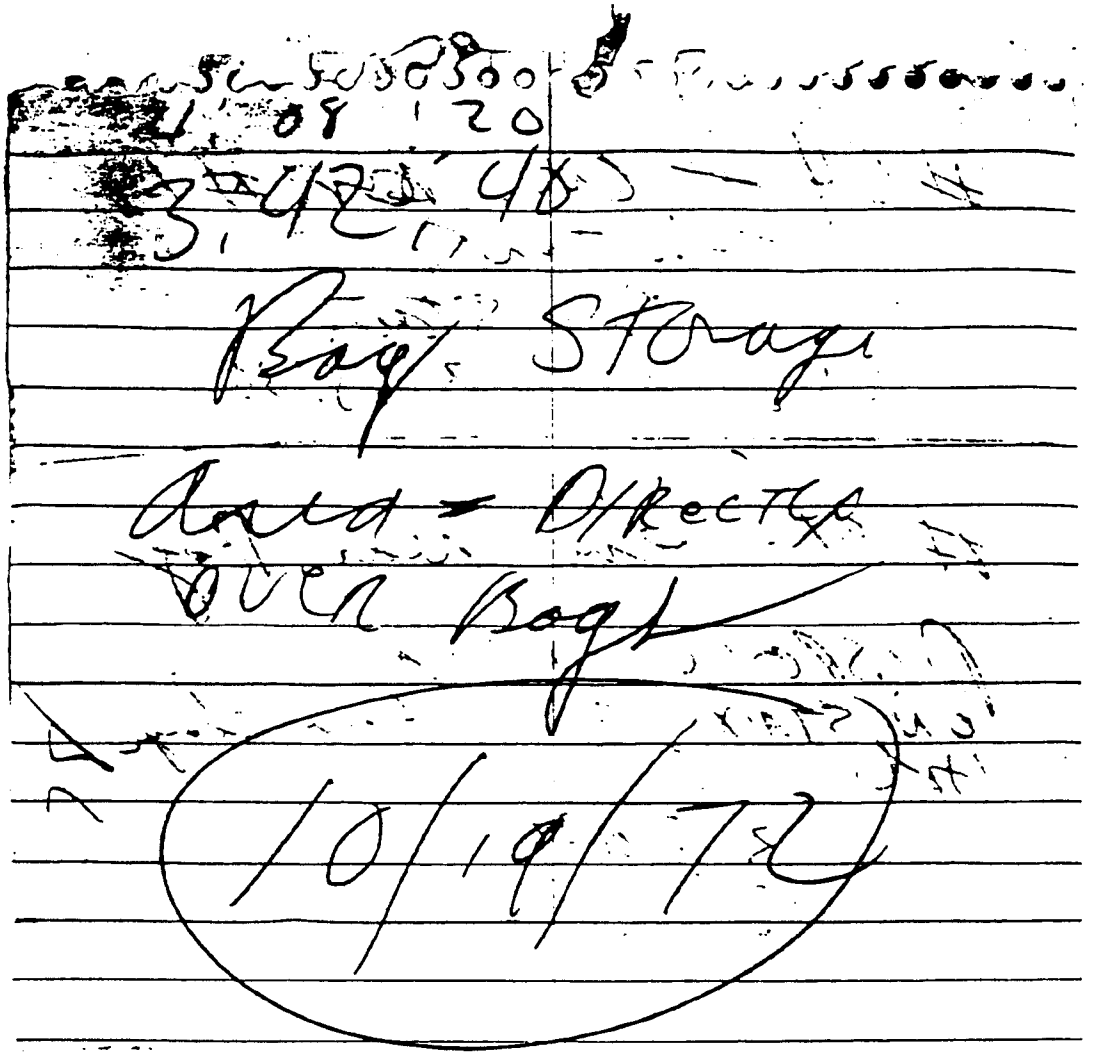
Over Bag

10/19/72

ASBOS705

Dump

X402381



X402381

1,18,00

1,07,5

Bag Dispod

Direct Reg. (on Dust collect)

1,08,20 - 4,97,15

Bag

Same as BG1 (Bs 2) after Disp

X402382

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Mine COUNT Sheet

Sample #	93	43	17	17	61	41	3	3
time	92		14.0		16.0		20.0	
Flow								
1	0	32	0	26	0	13	0	23
2	0	30	0	53	0	31	0	13
3	0	29	0	43	0	33	0	18
4	1	42	0	34	0	29	0	14
5	0	45	0	27	0	17	0	13
6	0		0		1		0	
7	0		0		0	93	0	
8	0		0		0		0	
9	1		0		0		0	
10	0		0		0		0	
11	0		0		0		1	
12	0		1		0		0	
13	0		0		0		0	
14	0		0		0		0	
15	0		0		0		0	
16	0		0		0		0	
17	0		0		1		0	
18	0		0		0		0	
19	0		0		0		0	
20	0		0		0		0	
TOTAL	2	178	1	183	2	93	1	81
AVG	.1	34	.05	37	.1	19	.05	16
Field Area								
Filter Area								
Volume	165.4	5.85	28.0	0.99	28.8	1.02	40.0	1.41
Concentration	0.86	0.05	0.25	0.32	0.49	0.16	0.18	0.10
	0.09							

Area cut x Filter area
Fields x Sample vol.

X402383

COUNT SHEET

SAMPLE #		D		D		D		
	[redacted]3	53	99	99	64	64	91	91
time	40		39.0		24.0		23.0	
FLOW								
1	0	47	0	48	0	17	0	15
2	0	34	0	20	0	11	0	3
3	1	35	0	45	0	13	0	10
4	0	34	0	43	0	15	0	8
5	0	41	0	37	0	10	0	11
6	0		0		0		1	
7	0		1		0		0	47
8	0		0		0		0	
9	0		0		0		0	
10	0		0		0		1	
11	0		0		0		1	
12	0		0		0		0	
13	0		0		0		0	
14	1		0		1		0	
15	0		0		0		0	
16	0		0		0		0	
17	0		0		1		1	
18	0		0		0		0	
19	0		0		0		0	
20	0		0		0		0	
TOTAL	2	193	1	193	2	66	4	
AVG	.1	38	.05	38	0.1		.2	9.4
FIELD AREA								
FILTER AREA								
VOLUME	82.0	2.89	78.0	2.75	~~78.0~~ 48.0	~~2.77~~ 1.69	46.0	1.62
CONCENTRATION	0.18	0.1L	0.09	0.12	0.3	0.07	0.62	0.05

NO. CT X FILTER AREA
FIELD AREA X SAMPLE VOL. Ml

X402384

COUNT SHEET

SAMPLE #	X							
	0			78	78		78	
TIME	51			24				
FLOW								
1	0	76		0	3	0	9	
2	0	51		0	7	0	11	
3	0	60		0	5	0	10	
4	0	63		0	3	0	11	
5	0	58		0	4	0	8	
6	1			0		0		
7	0	308		0		0		
8	1			0		0		
9	0			0		0		
10	0			1		0		
11	0			0		0		
12	0			0		0		
13	0			0		0		
14	1			1		0		
15	0			0		0		
16	0			0		0		
17	0			0		0		
18	1			1		1		
19	0			0		0		
20	0			0		0		
TOTAL	4	308		3	22	1	42	
AVG	02	62		0.15		0.05		
FIELD AREA								
FILTER AREA								
VOLUME	42	1.48		52 ml				
CONCENTRATION	0.68	0.36		0.41	0.1			

NO. CAT × FILTER AREA
FIELD AREA × SAMPLE VOL.

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