



PLAINTIFF'S EXHIBIT

FD-1923

Inter Office

General Products Division
Saline Plant
January 7, 1973

T. L. Kopke

Subject: Asbestos

Please note the attached communication from R. W. Mosher, dealing with a 100% change to asbestos-free talc.

This revision eliminates asbestos from production operations at Saline.

J. D. Woods
J. D. Woods
PH. 8635-2335

jw

cc D. A. Gresham - Industrial Hygiene ✓
J. P. McCallum

3007 0869

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Inter Office

General Products Division
Saline Plant

January 3, 1974

J. D. Woods

Subject: Asbestos Free Talc in M4D166A

Reference: Memo Mosher to Woods, dated 11/8/73

On December 21, 1973, Production began using United Sierra's Beaver White 200 asbestos free talc within our M4D166A material, thereby eliminating the asbestos problem in and around the talc blending and the extrusion areas. To my knowledge, and based upon our inspection of the blending area, there is no Desert 51 talc (previous production material) remaining in the plant. As noted in the referenced memo, we have also significantly reduced the amount of extraneous talc dust around the system by various equipment modifications.

This memo is to inform you of our progress and to request your assistance in determining remaining OSHA requirements in this area.

R. W. Mosher

Wjde

cc C. E. Calkins
J. E. Keene
F. E. Macher
J. P. McCallum
L. Supica
D. Theisen
R. E. Waltz
L. R. Westin

3007 0370

PQ

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FORD MOTOR COMPANY

Summary of Investigation and/or Meeting Attended

Industrial Hygiene Unit

Environmental Health Section

Type of Contact

Phone 2/23-26/73 Office/Plant Location FOR SALINE PLT

Meeting Location _____

Called by T. Kopke

G.P. DIV. SAFETY

Subject: ASBESTOS EXPOSURE CONTROL

Personnel involved: 2/23/73 Called by T. Kopke - Discussed

INDICATED ASBESTOS DUST CONTROL NEEDS AT SALINE PLT

Purpose: BASED ON A RECENT SAMPLING/OBSERVATION BY HYG. (H. LICK)

IMPROVED METHODS DISCUSSED IN CONTROL OF DUST FROM

DISCHARGING EMPTY BAGS - CONTAINING DUST RESIDUE, TECHNIQUE

Results: IMPORTANT ALSO.

2/26/ Per T. Kopke - SHEET METAL FUTURE APPROPRIATE OVER WHEEL-END,

COMBINED WITH IMPROVED TECHNIQUE OF HANDLING BAGS

UNDER EXHAUST VENT. AND DURING INTO FUTURE, EMPTY BAGS

Further Action/by Whom: CONTAINED IN PLASTIC BAG. ALSO CENTRAL VACUUM

BE CONSIDERED FOR ANY SURFACE RESIDUE. HYG. : PLANNING ON

RE-STUDY MARCH 5TH. PLT WILL WRITE UP DRAFT OF EMPLOYEE

NOTIFICATION LETTER, (J. WOODS ON VACATION) AND WILL SUBMIT -

Distribution: File location FOR WHQ LEGAL REVIEW

SALINE PLT

By D. Gerschaw
Date 2/26/73

3007 0871

ENVIRONMENTAL **EHL** LABORATORIES, INC.
32740 Northwestern Highway, Farmington, Michigan 48024 (313) 626-2426

EHL Report No. 5545

Date January 12, 1973

TO: FORD MOTOR COMPANY
Attn: Paul E. Toth
Industrial Hygiene Unit
3001 Miller Road
Dearborn, Michigan 48121

The following results were obtained on samples received on 12-1-72
and identified as-shown.

TYPE OF SAMPLE: Blood, Urine, Air, Other Filters

ANALYSIS REQUESTED: Lead, Mercury, Other Asbestos Fiber Count

EHL LAB NO	YOUR IDENTIFICATION NUMBER	NAME OR SAMPLE DESCRIPTION	RESULTS OF ANALYSIS
			<u>Fibers/ml >5 μ</u>
27416	5	<i>Research</i>	0.2
27417	6		0.02
27418	7		9.9
27419	8		0.01
27420	<u>9</u>		0.1
27421	10	<i>Saline</i>	3.2
27422	11		2.9
27423	12		0.7
27424	13		16.1
27425	14		0.7
27426	15	Sample accidentally destroyed. -	
27427	16		1.6
27428	<u>17</u> , 18 -		0.3
27429	21		0.4
27430	22		0.1
27431	23	Sample too dense for accurate counting.	

5007 0872

Cecil L. Smith
Environmental Health Laboratories, Inc.
Cecil L. Smith, Manager

PRODUCED BY FORD

ENVIRONMENTAL **EHL** LABORATORIES, INC.
32740 Northwestern Highway, Farmington, Michigan 48024 (313) 626-2426

EHL Report No. 5545

Date January 12, 1973

TO: FORD MOTOR COMPANY
Attn: Paul E. Toth

(con't.)

The following results were obtained on samples received on 12-1-72,
and identified as shown.

TYPE OF SAMPLE: Blood, Urine, Air, Other Filters

ANALYSIS REQUESTED: Lead, Mercury, Other Asbestos Fiber Count

EHL LAB NO	YOUR IDENTIFICATION NUMBER	NAME OR SAMPLE DESCRIPTION	RESULTS OF ANALYSIS
			<u>Fibers/ml > 5μ</u>
27432	24	<i>Dearbon Glass. Nov 72</i>	0.4
27433	25		6.7
27434	<u>26</u>		4.4
27435	<u>27</u>		0.8
27436	<u>30</u>		2.1
27437	31	<i>Steel Division Nov 72</i>	2.4
27438	32		2.9
27439	33		2.8
27440	34		23.1
27441	35		1.0
27442	<u>36</u>		6.3

3007 0873

Cecil L. Smith
Environmental Health Laboratories, Inc.
Cecil L. Smith, Manager

PRODUCED BY FORD

ENVIRONMENTAL **EHL** LABORATORIES, INC.

32740 Northwestern Highway, Farmington, Michigan 48024 (313) 626 2426

EHL Report No. 5748

Date February 22, 1973

TO: FORD MOTOR COMPANY
Attn: Paul E. Toth
Industrial Hygiene Unit
3001 Miller Road
Dearborn, Michigan 48121

The following results were obtained on samples received on 2-14-73,
and identified as shown.

TYPE OF SAMPLE: Blood, Urine, Air, Other Filters

ANALYSIS REQUESTED: Lead, Mercury, Other Asbestos Fiber Count

EHL LAB NO.	YOUR IDENTIFICATION NUMBER	NAME OR SAMPLE DESCRIPTION	RESULTS OF ANALYSIS
			<u>Fibers/ml > 5μ</u>
29294	# 1F		1.8
295	2F		3.0
296	3F		2.1
297	5F		3.0
298	6F		0.9
299	7F		<0.1
300	8F		2.2
301	9F		0.4
302	10-F		1.2
303	11-F		1.0
304	12-F		0.6
305	13-F		5.1
306	B-1 blank		(2027) *
307	14-F		8.6
308	15-F		13.3
309	20-F		0.4
310	21-F		0.6
311	22-F		0.6
312	23-F		1.0
313	24-F		1.0
314	25-F		0.4
315	B-2 blank		(2027) *
316	26-F		0.2
317	27-F		0.2
318	28-F		0.3
319	29-F <i>Saline</i>		95

Sheldon F. d Feb 73

* The values reported for blanks are a calculated average for the total number of fibers to be found on the entire filter.

Cecil L. Smith
Environmental Health Laboratories, Inc.
Cecil L. Smith, Manager

5007 0674

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ELECTRON AND X-RAY OPTICS INVESTIGATION REQUEST EMPLOYEE HEALTH SERVICE

NAME H. LICK (IND. 4654)	DATE 11-1-72	REQUEST NO. 117227	
PROJECT NO. Q714	TELEPHONE 22630	ROOM NO.	DEPT. NO.
INSTRUMENTATION: ☐ ELECTRON MICROSCOPE ☐ ION THINNING ☐ SCANNING ELECTRON MICROSCOPE ☐ SAMPLE PREPARATION ☐ X-RAY FLUORESCENCE ☐ THERMIONIC EMISSION ☐ X-RAY DIFFRACTION ☐ ☐ ELECTRON MICROSCOPE ☒ LIGHT MICROSCOPE ☒ OTHER			

SPECIMEN INFORMATION: (INCLUDE MATERIAL, COMPOSITION, AND SPECIMEN PREPARATION FOR PROBE WORK)

Saline
no 72

Aspiration samples from the Saline plant.	2
TALC mold filler	
SAMPLE #1 91000 ml, Sample #2 84000 ml	
SAMPLES TO BE RETURNED AFTER ANALYSIS?	

DESCRIBE INVESTIGATION REQUIRED: QUANT , SEMI QUANT , QUAL , OTHER

Samples analyzed using NIOSH STANDARD METHOD.	
FOR RESULTS SEE ATTACHED SHEET.	

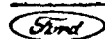
TECHNIQUE EMPLOYED

RESULTS

DISPOSITION OF SAMPLES

WORK BY

DATE COMPLETED



SCI RES
FEB 71 2504

8007 0875

11-11-72 #2

DATE: <u>17600 h²</u> FIELD AREA: <u>2.73</u> INITIALS: _____	SAMPLE: <u>84000 ml</u> BLANK: <u>5.51 fibers/ml.</u> CONCENTRATION: _____
--	--

TOTAL	FIBERS 5 μ	10 μ
	8	
	11	
	14	
	12	
	10	
	9	
	12	
	10	
	8	
	9	
	11	
	6	
	4	
	7	
	3	
	8	
	6	
	12	
	11	
	10	

TOT. _____	<u>151</u>	_____
AV. _____	<u>2.51</u>	_____

COUNT SHEET

8007 0676

PRODUCED BY FORD

<u>11-12-72</u>		<u>#1</u>
DATE <u>17600H²</u>	SAMPLE <u>91000</u>	
FIELD AREA <u>1.75</u>	BLANK <u>2.8 fibers/ml.</u>	
INITIALS	CONCENTRATION	

TOTAL	FIBERS 5 μ	10 μ
	11	
	7	
	4	
	12	
	3	
	1	
	8	
	2	
	9	
	0	
	0	
	2	
	1	
	4	
	2	
	7	
	5	
	9	
	8	
	2	

TOT. _____	103	_____
AV. _____	5.15	_____

COUNT SHEET

3007 0677

PRODUCED BY FORD

ENVIRONMENTAL **EHL** **LABORATORIES, INC.**
 32740 Northwestern Highway, Farmington, Michigan 48024 (313) 626-2426

EHL Report No. 5814

Date March 9, 1973

TO: FORD MOTOR COMPANY
 Attn: Henry Lick
 Industrial Hygiene Unit
 3001 Miller Road
 Dearborn, Michigan 48121

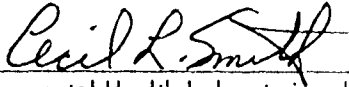
The following results were obtained on samples received on 3-6-73 and identified as shown.

TYPE OF SAMPLE: Blood, Urine, Air, Other Filters

ANALYSIS REQUESTED: Lead, Mercury, Other Asbestos Fiber Count

EHL LAB NO	YOUR IDENTIFICATION NUMBER	NAME OR SAMPLE DESCRIPTION	RESULTS OF ANALYSIS
			<u>Fibers/ml > 5μ</u>
29685	# 1	<i>Saline 3-5-73</i>	3.7
686	2		20
687	3		26
688	4		23
689	5		22
690	6		30
29691	blank #1		(27025) *
29692	blank #2		(none)
* The values reported for blanks are a calculated average for the total number of fibers to be found on the entire filter.			

2007 0375


 Environmental Health Laboratories, Inc.
 Cecil L. Smith, Manager

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176

JUNE 19, 1974

ASBESTOS MEETING 9:45 - 11:10

DON,

The meeting was attended by persons in attached list.

The following points were discussed:

- a) analytical techniques for fibers identification.
- b) Fibers identification as appose to asbestos presence

It was agreed that CYPRUS people will try to obtain a certification from NIOSH that BEAVERWHITE 200 does not contain asbestos.

If such certification is obtained then we could lift OSHA requirements imposed on those company operations that use Beaverwhite 200.

L. L.

NAMELOCATION

CRUSE D. Melvin	Sci. Res. Staff, Ford
LESLIE BARTOSIEWICZ	Sci. RES. STAFF, FORD
BRIAN HELMER	MATERIALS HANDLING, SALINE PLANT FORD
J. D. Woods	SUPERVISOR, EMPLOYEE SERVICES SALINE PLANT
T. L. KOPKE	DIVISION SAFETY ENGINEER - GEN. PRODUCTS DIV.
Ribardo Latone	Industrial Hygienist,
Erwin Eichen	Central Laboratory General Services
John Larson	Central Laboratory General Services
C. J. Permentier	Cyprus Indus
A. Harris	"
James D. Moreno	Cyprus Industrial Minerals Co.
J. M. Kosloski	Employee Health Serv.

8007 0630

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