1 entered 12/19-86

WU-0195 #173

WORKPLACE ENVIRONMENT MONITORING - FIELD DATA SHEET Page ___ of ___

Date 12-5-86 Project ASBESTOS Department 004320 | 327000

General Operating Conditions: Removing ABS FROM #8 GENERATOR AREA

Sampling Method and Equipment: Personal X : Area ___ : Portable Sampler Pump X : Charcoal Tube ___ : Bag ___ : Other FILTER CASSETTE

Remarks: WORE PROTECTIVE clothing & NORTH RESPIRATOR WITH 7500-8 FILTERS

Shift: Day ___ Eve. ___ Mid. ___ No. Employees 1 / Sampled By LEMIL / CLSII

Employee Name, Job Title, Payroll No., Soc. Sec. No., Bldg. No. - Monitoring Loc. Smoke - Chew?	Sample No.	Pump Ser. Number	Pump Kv	Pump Flow Control Set	Initial Pump Reading	Final Pump Reading	Net Pump Reading	Start (Time)	Stop (Time)	Net Sample Time, Min.	Volume, Liters.
324 D.L HIVELY INSULA 232-50-3230 M S	1	63[illegible]	633901		2045 cc/m	2045	2.045	10:15	1100	45	92.02 .163
325 D. L HIVELY INS. S 232-50-3230 M	1	63145	633902		1971 cc/min	1971	1.97	1213	1332	79	155.63

#1 30½ F/100 = .295 x 385 = 113.575 ÷ 7.54 = 15.062 ÷ 92.02 = .163
29½

#2 27 F/100 = .260 x 385 = 100.100 ÷ 7.59 = 13.275 ÷ 155.6 = .085
26

Remarks: (See Reverse Side)

UCC 0012559

INDUSTRIAL HYGIENE SURVEY REPORT
SOUTH CHARLESTON PLANT

To: J. K. CORRIE

Date: 12-8-86

cc: J. R. DEMENT
M. J. SHOGER
D. F. TETER
S. ROSSI

From: W. J. VINCENT

Survey Date 12-5-86 Department/Location 004320/327000 BLDG 151

Contaminants ASBESTOS File No. OH

____ Area/Source (7.3)(1), ✓ Occupational Exposure (7.4), ____

	Sample Location, Employee Monitored	SSAN	JOB TITLE	Sample Duration, Minutes	Exposure Concentration, PPMV, mg/m3 (TWA/8 Hrs.)	Status
#1	D.L. HIVELY	232-50-3230	INSULATOR	45	.163F/cc	
#2	D.L. HIVELY	232-50-3230	INSULATOR	79	.085F/cc	

Comments:

SAMPLE TIMES NOT SUFFICENT FOR TWA/8HRS CORRELATION WORE RESPIRATOR. RECOMMENDATION: CONSIDERATION SHOULD BE GIVEN TO ENCLOSING ASBESTOS JOBS TO REDUCE EXPOSURE POTENTIAL

(1) (n.n) = Plant 514 Safety File Reference

(2) IC = In Compliance; NC = Non-Compliance; NEEL = No Established Exposure Limit
Applicable Standard, TWA/8 Hrs.: TLV® 0.2 ; OSHA 0.2 ; UCC 0.2 ;
Short Term Exposure Limit (STEL) — ; Ceiling Limit —

(3) Please notify monitored employees of results in accordance with Plant 514 Safety/

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION P. O. BOX 8004, SOUTH CHARLESTON, WV 25303
SILICONES AND URETHANE INTERMEDIATES
SOUTH CHARLESTON PLANT

To: J. K. CORRIE

(Record date received _____)

Within 5 days of date of receipt notify: O. L. HIVELY
(Monitored Employee)

232-50-3230
(Soc. Sec. Number)

Date: 12-8-86

Orig. Dept. Safety and Health

Subject: Employee Notification of Occupational Exposure Monitoring Results

On the following date(s) 12-5-86, at the described plant location ISLAND POWER HOUSE, your personal exposure to chemical/physical agent(s) ASBESTOS was determined to be (#1).163F/cc, (#2).085F/cc using prescribed Industrial Hygiene measurement methods (Reference: NIOSH 7400). Compliance Status: In compliance/Non-compliance/No established exposure limit/Exposure appears substantially low/Other appropriate comment, e.g., respiratory protection used, etc. NORTH RESPIRATOR

Applicable Standard, 8-Hr. Time Weighed Average (TWA_8): TLV® 0.2; OSHA 0.2; UCC 0.2. Short Term Exposure Limit (STEL) —; Ceiling Limit —

Action to be taken to prevent recurrence of overexposure: SAMPLE TIMES NOT SUFFICENT FOR TWA/8 HRS CORRELATION, WORE RESPIRATOR. RECOMMENDATION: CONSIDERATION SHOULD BE GIVEN TO ENCLOSING ASBESTOS JOBS TO REDUCE EXPOSURE POTENTIAL

_____
(Supervisor's Signature/Date)

I, _____(employee), on _____(date), acknowledge having been notified of the above occupational exposure monitoring results in accordance with South Charleston Plant Safety and Health Policy/Procedure, Informing Employees of Health Hazards 2.16.

NOTE - This document or a signed copy shall become a permanent record maintained in the department file described in IV.5.C. of the above procedure.

INDUSTRIAL HYGIENE WORKPLACE SAMPLING

DATA SHEET NO.	PLANT	MO.DAY YR.	SAMPLER INITS.	PROCESS NO. AIDS NO.	PROCESS OR UNIT NAME	BLDG. OR ZONE	ROOM OR LEVEL	ADD'L. QUALIFICATIONS	UPDATE
2324	C514	120586	LEM	004320	IPH	151	1		100

TEMPERATURE AM	TEMPERATURE PM	BAROM. PRESS. AM	BAROM. PRESS. PM	RELATIVE HUMIDITY	WEATHER CONDITIONS	UPDATE
						110

SAMPLING DATA

	TYPE (BZ P O A S)	METHOD (CT MI PC G DT D)	SAMPLE NUMBER	TIME START	TIME STOP	TOTAL (MIN.)	RATE AVG.	UNIT (CCM LPM CFM)	VOLUME	UNIT (CC L CF)	ABNOR.	REASON FOR SAMPLE	COMMENTS	UPDATE
200	X	X	11015	1100		452	.05	X	92.03	X	N	LO		200
210														210
220														220
230														230
240														240
250														250
260														260
270														270
280														280
290														290

ANALYTICAL DATA

	NAME	CONTAMINANT INDEX NO.	UNCER.	TOTAL WT.	UNIT	AIR CONCEN.	R. DUST	PPM (B)	UNIT MPPCF	TLV	C VALUE		METHOD	REFERENCE	DATE MO. DAY	ANAL. BY INITS.	UPDATE
300	ASBESTOS	671				.163			X	0.2		S	MI	NIOSH 7400	1208	LEM	300
310																	310
320																	320
330																	330
340																	340
350																	350
360																	360
370																	370
380																	380
390																	390

PERSONNEL DATA

	LAST NAME	F I	M I	S S NUMBER	DEPT.	JOB CLASS EEO CODE	PROTECTION USED FS BC B RESP GLV CLTH GOG	TOBACCO	UNCER.	TWA	SAMPLED IN AREA	EXPOSURE TIME HRS. MINS.	STRATEGY	EXP. ASSIGN.	UPDATE
400	HIVELY	D	L	232503230	327000	HQZ	XXX	S			X	45	NNM	R	400
410															410
420															420
430															430
440															440
450															450
460															460
470															470
480															480
490															490

KEYPUNCH DATA SHEET NO. IN COLS. 1 - 5 OF EACH CARD

UCC 0012562

INDUSTRIAL HYGIENE WORKPLACE SAMPLING SUPPLEMENTAL COMMENTS

1–5	6 PLANT 9	10 MO DAY YR 15
M2324	CSTH	120586

UPDATE	LINE NO.
	101
	102

REMOVING ASBESTOS FROM PIPES ON #8 GENERATOR. WORE PROTECTIVE
CLOTHING AND NORTH RESPIRATOR

SIGNATURE

DATE

UCC 0012563

INDUSTRIAL HYGIENE WORKPLACE SAMPLING

DATA SHEET NO.	PLANT	MO.DAY YR.	SAMPLER INITS.	PROCESS NO. AIDS NO.	PROCESS OR UNIT NAME	BLDG. OR ZONE	ROOM OR LEVEL	ADD'L. QUALIFICATIONS
*2325	C51	120586	LEM	004320	IPH	151	1	100

TEMPERATURE AM	TEMPERATURE PM	BAROM. PRESS. AM	BAROM. PRESS. PM	RELATIVE HUMIDITY	WEATHER CONDITIONS
					110

KEYPUNCH DATA SHEET NO. IN COLS. 1 – 5 OF EACH CARD

	SAMPLING DATA TYPE (BZ P O A S)	METHOD (CT MI PC G DT)	SAMPLE NUMBER	TIME START	TIME STOP	TOTAL (MIN.)	RATE AVG.	UNIT (CCM LPM CFM)	VOLUME	UNIT (CC L CF)	ABNOR.	REASON FOR SAMPLE	COMMENTS	UPDATE
200	X	X		1121	1332	79	1.97	X	155.6	X	N	10		200
210														210
220														220
230														230
240														240
250														250
260														260
270														270
280														280
290														290

	ANALYTICAL DATA NAME	CONTAMINANT INDEX NO.	UNCER.	TOTAL WT.	UNIT	AIR CONCEN.	R. DUST	UNIT (PPM/(B) MMOG/M³ F/CC MPPCF)	TLV	C VALUE		METHOD	REFERENCE	DATE MO.	DATE DAY	ANAL. BY INITS.	UPDATE
300	ASBESTOS	671				.085		X	0.2		S	MI	NIOSH 7400	12	08	LEM	300
310																	310
320																	320
330																	330
340																	340
350																	350
360																	360
370																	370
380																	380
390																	390

	PERSONNEL DATA LAST NAME	F I	M I	S S NUMBER	DEPT.	JOB CLASS EEO CODE	PROTECTION USED (FS BC B RESP GLV CLTH GOG)	TOBACCO	UNCER.	TWA	SAMPLED IN AREA	EXPOSURE TIME HRS.	EXPOSURE TIME MINS.	STRATEGY	EXP. ARMT.	M/M/A	UPDATE
400	HINELY	D	L	232503230	327000	HQZ	XXX	S			X	1	19	N	NM	R	400
410																	410
420																	420
430																	430
440																	440
450																	450
460																	460
470																	470
480																	480
490																	490

INDUSTRIAL HYGIENE WORKPLACE SAMPLING SUPPLEMENTAL COMMENTS

1 5	6 PLANT 9	10 MO DAY YR 15
W2325	C514	120586

UPDATE	LINE NO.
	101

REMOVING ASBESTOS FROM PIPES ON #8 GENERATOR. WORE PROTECTIVE CLOTHING AND NORTH RESPIRATOR.

SIGNATURE

DATE

UCC 0012565