WV-0218 #18

PLAINTIFF'S EXHIBIT

UC-2659

DATA SHEET NO. W6311 DATE 10/20

BY

STRATEGY ROUTINE X REQUESTED

1) LOCATION: PROCESS NO. 35P

UNIT NAME BLDG./ZONE

ROOM/LEVEL

2) PERSONNEL: NAME M F

SS NO.

DEPT.

P.P.E. Y N TYPE

TOBACCO: Y N TYPE

3) SAMPLING DATA: SAMPLE NO Z-8623

TYPE: BZ P O (A) S

METHOD: CT MI (FC) G DT DRI

OT TIME STROKE COUNT

START 16:40

STOP 21:00

TOTAL 260

VOL 243,620

UNIT: (CC) L CF

PUMP NO. Bendix CALIB. 937 cc/min.

COMMENTS (USE BACK IF NEEDED) Asample taken in 35P Chunk of asbestos insulation fell off of a line above me pan inside. Pieces Chunks lying near telephone @ top of stairs and on ground

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floor. Area where it was lying was barricaded. R. Pitsko called & requested my opinion on what to do. Told Harley Wince (foreman) to have it cleaned up. Set up area sample to determine conc. of asbestos fibers in the area that were due to exposed asbestos. Typically our monitoring only occurs while asbestos removal is going on. The pump was turned off when cleanup began. This should give good indication of problems due to undisturbed exposed asbestos. Sample was taken from on the top of drum scales near #18 drumming station where an operator was drumming.

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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

W | 6311 | 8380 | 102286 | TLG | 1/2 | 9/10 | PILOT PLANT | 100

TEMPERATURE AM / PM | BAROM. PRESS. AM / PM | RELATIVE HUMIDITY | WEATHER CONDITIONS | 77 78 79 80: 1 1 0

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

SAMPLING DATA

	TYPE (BZ P Q A-S CT MI FC G DT)	METHOD	SAMPLE NUMBER	TIME START	TIME STOP	TOTAL (MIN.)	RATE AVG.	UNIT (ppm mg/m³ f/cc)	VOLUME	UNIT (cc L cf)	ABNOR. REASON FOR SAMPLE	COMMENTS	UPDATE	77 78 79 80
200	X	X	B-86231	1640	2100	260	937	X	243.6	X	N			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 (µg mg)	AIR CONCEN.	R. DUST	UNIT (PPM (B) MG/M³ F/CC MPPCF)	EXP. REF.	C VALUE	Class	METHOD	REFERENCE	DATE MO.	DATE DAY	ANAL. BY INITS.	UPDATE	77 78 79 80
300	ASBESTOS	6715				.018		X		2	5							300
310																		310
321																		321
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 CLTH GOG	TOR-ACCD	UNCER.	TWA	SAMPLED IN AREA	EXPOSURE TIME HRS.	EXPOSURE TIME MINS.	STP EFFECT	EXP. ASMT.	SEX	R/A	UPDATE	77 78 79 80
400																			400
410																			410
420																			420
430																			430
440																			440
450																			450
460																			460
470																			470
480																			480
490																			490

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SAMPLING DATA
TYPE
- BZ - BREATHING ZONE
- P - PERMANENT STATION
- O - OPERATIONAL TASK
- A - AREA
- S - SOURCE

METHOD
- CT - CARBON TUBE
- MI - MIDGET IMPINGER
- FC - FILTER CASSETTE
- G - GRAB
- DT - DETECTOR TUBE
- DRI - DIRECT READING INSTRUMENT

RATE UNIT
- CCM - CC PER MINUTE
- LPM - LITERS PER MINUTE
- CFM - CUBIC FEET PER MINUTE

VOLUME UNIT
- CC - CUBIC CENTIMETERS
- L - LITERS
- CF - CUBIC FEET

ABNORMALITY
- H - HIGH
- N - NORMAL
- L - LOW
- X - NO JUDGEMENT

REASON FOR SAMPLING

ANALYTICAL DATA
WEIGHT UNIT
- µg - MICROGRAMS
- mg - MILLIGRAMS

AIR CONCENTRATION UNIT
- PPM(B) - PARTS PER MILLION (BILLION)
- m(µ)g/M³ - MICROGRAMS PER CUBIC METER
- F/CC - FIBERS PER CUBIC CENTIMETER
- MPPCF - MILLION PARTICLES PER CUBIC FOOT

METHOD
- GC - GAS CHROMATOGRAPHY
- IR - INFRA RED SPECTROPHOTOMETRY
- UV - ULTRAVIOLET
- SP - VISUAL SPECTROPHOTOMETRY
- AA - ATOMIC ABSORPTION SPEC.
- GV - GRAVIMETRIC ANALYSIS
- MI - MICROSCOPY
- OT - OTHER

UPDATE
- BLANK - NEW DATA
- C - CHANGE
- D - DELETE

EXPOSURE ASSESSMENT
- H - HIGH
- N - NORMAL
- L - LOW
- X - NO JUDGEMENT

PERSONNEL DATA
PROTECTION USED
- FS - FACE SHIELD
- BC - BARRIER CREAM
- B - BOOTS
- RESP - RESPIRATOR PROTECTION
- GLV - GLOVES
- CLTH - PROTECTIVE CLOTHING
- GOG - GOGGLES

TOBACCO HABITS
- S - SMOKING
- C - CHEWING
- B - BOTH

PROXIMITY
SAMPLED
- X - SAMPLED AND NOT USED TO DETERMINE 8 HR TWA
- T - SAMPLED WITH FULL OR PARTIAL PERIOD TO DETERMINE 8 HR TWA
- G - SAMPLED WITH RANDOM GRAB SAMPLING TO DETERMINE 8 HR TWA

IN AREA
- X - ASSIGNED EXPOSURE - NOT DIRECTLY SAMPLED

STRATEGY
- H - HIGH
- N - NORMAL
- L - LOW
- R - RANDOM
- A - ALL PERSONS SAMPLED
- X - NONE OF THE ABOVE

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CALIBRATION DATA			SAMPLING PUMP DATA			
EQUIPMENT IDENTIFICATION	DATE	METHOD	PUMP NO.	START	STOP	AVERAGE RATE
Bendix	10/22/86	Filter Cass	BX44	1640	2100	937

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INDUSTRIAL HYGIENE WORKPLACE SAMPLING SUPPLEMENTAL COMMENTS

1–5	6–9 PLANT	10–15 MO DAY YR
W6311	5380	102286

KEYPUNCH THIS IN COL. 1-6 OF EACH NONBLANK CARD

16–76	UPDATE (77)	LINE NO. (78–80)
ON TOP OF DRUM SCALES NEAR C-1B DRUMMING STATION WHERE AN		30
OPERATOR WAS DRUMMING		30 1

SIGNATURE C.R. McMillan DATE 10/28/86

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