



INDUSTRIAL HYGIENE SAMPLING RECORD

JOB NUMBER 27-1248 JOB LOCATION Corpus Christi, Texas SURVEY DATE 9-12-78

TYPE OPERATION/AREA

Cutting Asbestos/Concrete Pipe

ENVIRONMENTAL CONDITIONS

Overcast - Slight ventilation - 85 degrees F

High Humidity

ANALYZE FOR:

TYPE SAMPLE:

☐ CHARCOAL TUBE☐ IMPINGER SOLUTION☒ MEMBRANE 0.8m 3 Stage Open Face☐ OTHER

EQUIPMENT I.D.

EMPLOYEE NAME/I.D. NUMBER	SAMPLE I.D.	TIME		TOTAL MINUTES	VOLUME SAMPLED	CONC. ① Fiber/cc	8 HOUR TWA ②	TLV ③ Fiber/cc
		START	STOP					
Amador Velasquez	C-100	7:35	12:00	265	530L	0.16	0.16	2
465-66-1565 (Insulation)		12:30	3:55	205	410L			
Band Saw Dry Cut Shop								
Robert Cruz	E-102	7:35	12:00	265	530L	0.49	0.49	2
455-11-3590 (Insulation)		12:30	3:55	205	410L			
Ruben Gomez	A-101	7:35	12:00	265	477L	0.23	0.23	2
461-21-3341 (Insulation)		12:30	3:55	205	369L			
Hand Beveler - Dry								

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
Employee's Responsible for Sweeping Area	Pump C	9-6-78	2 L/MIN
Machine. Dry Sweep.	Pump E	9-6-78	2 L/MIN
	Pump A	9-6-78	1.8 L/MIN

① CONCENTRATION

② TIME WEIGHTED AVERAGE

③ THRESHOLD LIMIT VALUE

SIGNATURE

DATE

9-12-78

INDUSTRIAL HYG. &E SAMPLING RECORD

JOB NUMBER 27-1248	JOB LOCATION Corpus Christi, Texas	SURVEY DATE 9-13-78
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TYPE OPERATION/AREA	
Cutting Turnall Pipe (Transite)	104 Asbestos

ENVIRONMENTAL CONDITIONS
Overcast - Slight Ventilation - 85 degrees F. High Humidity

ANALYZE FOR:

TYPE SAMPLE:

☐ CHARCOAL TUBE

IMPINGER SOLUTION

☒ MEMBRANE 0.8m 3 Stage Open Face

☐ OTHER

EQUIPMENT I.D.

[illegible]

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
Respirators worn during operations -	Pump C		2 L/MIN
Dual cartridge MSA Comfor II Type F	Pump E		2 L/MIN
	Pump A		1.8 L/MIN

① CONCENTRATION ② TIME WEIGHTED AVERAGE ③ THRESHOLD LIMIT VALUE

SIGNATURE

SIGNATURE Carl D. Richardson

DATE

4-13-75

INDUSTRIAL HYGIENE SAMPLING RECORD

JOB NUMBER	JOB LOCATION	SURVEY DATE
27-1248	Corpus Christi, Texas	9-12-78

TYPE OPERATION/AREA

Cutting Asbestos/Concrete Pipe

ENVIRONMENTAL CONDITIONS

Overcast - Slight ventilation - 85 degrees F

High Humidity

ANALYZE FOR:

TYPE SAMPLE:

 CHARCOAL TUBE

IMPINGER SOLUTION

☒ MEMBRANE 0.8m 3 Stage Open Face

☐ OTHER

EQUIPMENT I.D.

[illegible]

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
Employee's Responsible for Sweeping Area	Pump C	9-6-78	2 L/MIN
Machine. Dry Sweep.	Pump E	9-6-78	2 L/MIN
	Pump A	9-6-78	1.8 L/MIN

① CONCENTRATION

② TIME WEIGHTED AVERAGE

② THRESHOLD LIMIT VALUE

SIGNATURE

SIGNATURE Capt. R. L. ...

DATE

9-17-75



INDUSTRIAL HYGIENE SAMPLING RECORD

NUMBER 27-1248 JOB LOCATION CORPUS CHRISTI, TX SURVEY DATE 9-12-78

TYPE OPERATION/AREA

CUTTING ASBESTOS/CONCRETE PIPE

ENVIRONMENTAL CONDITIONS

OUTDOOR - SLIGHT VENTILATION - 85°F HIGH HUMIDITY

ANALYZE FOR:

ASBESTOS

TYPE SAMPLE:

☐ CHARCOAL TUBE☐ IMPINGER SOLUTION☒ MEMBRANE 6.8% 3 SPACE OPEN FINE☐ OTHER

EQUIPMENT I.D.

EMPLOYEE NAME/I.D. NUMBER	SAMPLE I.D.	TIME		TOTAL MINUTES	VOLUME SAMPLED	CONC. ① Fiber/cc	8 HOUR TWA ②	TLV ③ Fiber/cc
		START	STOP					
AMADOR VELASQUEZ	C-100	7:35	12:00	265	530 L	0.12 f/cc	0.0	2
465-66-1565 (Insul.)		12:30	3:55	205	410 L			
<u>HAND SAW DRY (W. SAW)</u>								
ROBERT CRUZ		7:35	12:00	265	530 L	0.12 f/cc	0.0	2
455-11-3590 (Insul.)	E-102	12:30	3:55	205	410 L			
RUBEN GOMEZ	A-101	7:35	12:00	265	477 L	0.23 f/cc	0.23	2
461-21-3341 (Insul.)		12:30	3:55	205	369 L			
<u>HAND REVELER - DRY</u>								
<u>RESPIRATOR RUBEN & DANIEL KATZ</u>								
<u>ASA SAMPLE TAKEN</u>								
<u>OK WORKING</u>								

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
EMPLOYEE'S RESPONSIBILITY	PUMP C	9-6-78	2.4/min
FOR SUMP-PUMP AREA	PUMP E	9-6-78	2.4/min
& AIRCRAFT DRY	PUMP A	9-6-78	1.8 1/4/min
<u>OK SUMP</u>			

① CONCENTRATION

② TIME WEIGHTED AVERAGE

③ THRESHOLD LIMIT VALUE

SIGNATURE

DATE



INDUSTRIAL HYG IE SAMPLING RECORD

AS NUMBER 27-1248 JOB LOCATION Corpus Christi, Texas SURVEY DATE 9-13-78

TYPE OPERATION/AREA Cutting Turnall Pipe (Transite) 10% Asbestos

ENVIRONMENTAL CONDITIONS Overcast - Slight Ventilation - 85 degrees F. High Humidity

ANALYZE FOR:

TYPE SAMPLE:

☐ CHARCOAL TUBE

☐ IMPINGER SOLUTION

☒ MEMBRANE 0.8m 3 Stage Open Face

☐ OTHER

EQUIPMENT I.D.

EMPLOYEE NAME/I.D. NUMBER	SAMPLE I.D.	TIME		TOTAL MINUTES	VOLUME SAMPLED	CONC. ① Fiber/cc	8 HOUR TWA ②	TLV ③ Fiber/cc
		START	STOP					
Joe Alexander 450-86-5143 (Pipefitter) Field Cutting - Drill & Jigsaw - Dry Cut Ceiling Sample	A-105	9:45	10:00	15	27L	0.27		10
Amador Velasquez 465-66-1565 (Insulation) Shop - Band Saw	C-103	7:35	12:00	265	530L	0.24		2
		12:30	3:55	205	410L			
Ruben Gomez 461-21-3341 (Insulation)	E-104	7:35	12:00	265	530L	0.14		2
		12:30	3:55	205	410L			
Beveler								

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
Respirators worn during operations -	Pump C		2 L/MIN
Dual cartridge MSA Comfor II Type F	Pump E		2 L/MIN
	Pump A		1.8 L/MIN

① CONCENTRATION

② TIME WEIGHTED AVERAGE

③ THRESHOLD LIMIT VALUE

SIGNATURE *Carl D. Richardson*

DATE 9-13-78

INDUSTRIAL HYGIENE SAMPLING RECORD

IN NUMBER 27-1248	JOB LOCATION CORPUS CHRISTI, TX.	SURVEY DATE 9-13-79
TYPE OPERATION/AREA CUTTING TURBINE PIPE (TRANSIT) 10% ASBESTOS		
ENVIRONMENTAL CONDITIONS OVERCAST - SLIGHT VENTILATION - 85°F HIGH HUMIDITY		
ANALYZE FOR: ASBESTOS		
TYPE SAMPLE: ☐ CHARCOAL TUBE _____ ☐ IMPINGER SOLUTION _____ ☒ MEMBRANE 0.8m 3 STAGE OPEN FACE ☐ OTHER _____		
EQUIPMENT I.D.		

EMPLOYEE NAME/I.D. NUMBER	SAMPLE I.D.	TIME		TOTAL MINUTES	VOLUME SAMPLED	CONC. ^① FIBER/CC	8 HOUR TWA ^②	TLV ^③ FIBER/CC
		START	STOP					
JOE ALEXANDER 450-86-5143 (PAC. TRA)	A-105	9:45	10:00	15	27L	0.27		10
↑ Ceiling SAMPLE BEVER FIELD CUTTING - DRILL + Jigsaw - DRY CUT -								
AMADOR VELASQUEZ 465-66-1565 (Insul)	C-103	7:35	12:00	265	530L	0.24		2
		12:20	3:55	205	410L			
SHOP - BAND SAW								
RUBEN GOMEZ 461-21-3341 (Insul)	E-104	7:35	12:00	265	530L	0.14		2
		12:20	3:55	205	410L			
SHOP BEVER BEVER								

OBSERVATIONS	CALIBRATION FLOW RATE		
	PUMP IDENTIFICATION	CALIBRATION DATE	FLOW RATE
RESPIRATORS WORN DURING	Pump C		2 1/4/min
OPERATIONS - Dual Cartridge	Pump E		2 1/4/min
MSA COMEC II TYPE F	Pump A		18 1/4/min

① CONCENTRATION ② TIME WEIGHTED AVERAGE ③ THRESHOLD LIMIT VALUE

SIGNATURE 

DATE