TEX 11354 AIR CONTAMINANTS

Sample Taken By : James J Castille + Charles Crouch
Sample Number : A41 , A42
Date : 10/4/72
Location : HMVS #70
Contaminant Asbestos : Kaylo Insulation 2½" by 6" by 36"
Source of Contaminant : Kaylo Insulation " "
Instrument Used : MSA Monitaire + Millipore filter
Time Start : 232 PM
Time End : 247 PM
Duration of Test : 15 min
Air Flow Rate : 6 CFH
Air Volumn Sampled : 18L

	#A41	#A42
P.R. No. of Employes	8624	6342
Job Title of Employes	Insulator	Insulator
No. Men in Area	10	10

Control Measures Used : Dustfoe 66 Respirators and Natural Ventilation
Length of Exposure : 6 hr
Area Conditions : Build-up of asbestos in corners
Atmospheric Conditions: Partly Cloudy
Temperature : 85 Wind Velocity: E 6-16 MPH
Comments : the two men were performing routine insulation. the man wearing #A-41 filter was mainly placing the Kaylo blocks on the still and securing them with bands. the man wearing #A42 filter was mainly cutting the Kaylo blocks with a hand saw for the other insulators to place on the still. the insulation was being applied to the stills of HMVS #70 3-stories high. there were other crafts in the immediate area not wearing respiratory protection. there were also some insulators and Brick

Test Results

PLAINTIFF'S EXHIBIT
TEX-162

WA-TEX 003801

TEX 11356 AIR CONTAMINANTS

Sample Taken By	: James Castle and Charles Couch	
Sample Number	: A-43, A-45	
Date	: 10/4/72	
Location	: HMVS #70	
Contaminant Asbestos	: Kaylo Insulation 2½" by 6" by 36"	
Source of Contaminant	: Kaylo Insulation	
Instrument Used	: MSA Monitaire and filter	
Time Start	: 250 PM	
Time End	: 305 PM	
Duration of Test	: 15 MIN	
Air Flow Rate	: 6CFH	
Air Volumn Sampled	: 18L	
P.R. No. of Employes	: 6342	8624
Job Title of Employes	: Insulator	Insulator
No. Men in Area	: 10	10
Control Measures Used	: Dustfoe 66 Respirator and Natural Ventilation	
Length of Exposure	: 6 hr	
Area Conditions	: Build-up of loose insulation in Corner	
Atmospheric Conditions	: Partly Cloudy	
Temperature	: 85	Wind Velocity: E-6-16 MPH

WA-TEX 003802

Comments : Man wearing filter #A-43 spent approx. 7 min attaching wire to the still to hold the asbestos insulation. He spent ~~about~~ the remainder of the time placing the insulation blocks on the still. Man wearing filter #A-45 spent approx. 7 min cleaning around the still and the remainder of the time placing the insulation blocks on the still. See Air Contaminant sheet for A-41 and A-42 for detail information concerning this operation.

Test Results

AIR CONTAMINANTS

Sample Taken By : Charles Crouch + James Castillo

Sample Number A:- #51, #52, #53, #54, #55

Date : 10/6/72

Location : # 1 HCU, FR Fract BTM Line

Contaminant : Thermobestos, (Asbestos)

Source of Contaminant : John Mansville 3', 20" diameter

Instrument Used : MSA Monitoire + filter

Time Start : #A51, #A52 (10:06 A.M.) #53 (10:06) (#54, #55) 10:2

Time End : #A51, #A52 (10:21 A.M.) #53 10:36 A.M. #54 #55 10:4

Duration of Test : #51, #52 (15 min) #53 (30 min) #54, #55 (15 min)

Air Flow Rate : 6 CFH, 1.2 L/min

Air Volumn Sampled : #51, #52, #54, #55 (18 l) #53 (36 l)

P.R. No. of Employes : #51, #55 (#8953), #52, #54 (9246)

Job Title of Employes : Insulators

No. Men in Area : Craftsmen in Area (T+I in Progress)

Control Measures Used : Dust/Fog 66 respirator, natural ventilation

Length of Exposure : 6-8 hrs.

Area Conditions : T+I work in progress

Atmospheric Conditions: Partly Cloudy

WA-TEX 003803

Temperature : 80+ Wind Velocity: N- 6-8 mph

Comments : Insulators were cutting prefored asbestos with hand saw, and chipping where necessary to make correct fits. There was a noticeable buildup of asbestos in the work area where sawing was taking place. #51, #52, #54, + #55 were breathing zone samples. #53 was an area sample 6 ft downwind of insulating project.

TEX 11358

Test Results : A51 (<1), A52 (<1), A53 (<1)

AIR CONTAMINANTS

Sample Taken By : Charles Crouch

Sample Number : A-57, A-58, A-59

Date : 10/9/72

Location : # 4 VPS

Contaminant : Insulation, gas lines along center-

Source of Contaminant : -hallway

Instrument Used : MSA Monitoring + filter

Time Start : 1:27

Time End : 1:42

Duration of Test : 15 min (A-57, A-58), A-59 -30 min

Air Flow Rate : 1.2 l/m, 6 CFH

Air Volumn Sampled : 18 l 36 l

P.R. No. of Employes : A-57 -6358, A-58-2084

Job Title of Employes : Insulators

No. Men in Area : Two men, other craftsmen in area

Control Measures Used : Dust foe 66 respirator, natural ventilation

Length of Exposure : 6-8 hrs.

Area Conditions : T+I in Progress

Atmospheric Conditions: Partly Cloudy WA-TEX 003804

Temperature : 80° Wind Velocity: NW- 5mph

Comments Insulators were sawing inspection holes in gas line insulation for T+I inspection. Some asbestos insulation appeared to be present, but mostly fiberglass and non-asbestos material. A-57, and A-58 were taken on collars (breathing zone of insulators) A-59 was an area sample collected ≈ 10ft away from sawing process.

Test Results

TEX 11359

A57 (1), A58 (1), A59 (<1)