

To: D.K. Schade



**USS
Chemicals**

Division of United States Steel Corporation

Interorganization Correspondence

Date: October 14, 1981

From: R.G. Buckingham

Subject: AIR CONTAMINATION CONTROL
ASBESTOS

The attached Air Contamination Report shows the long term exposure of employees collaring PA filter tubes and also area concentration levels for the maintenance area of the Tech Building and for the Annex Building.

All of the exposure levels are well below the OSHA permissible level of 2 fibers/cc greater than 5 microns in length. At the very low concentrations reported for these samples it is very difficult to determine if the fibers are actually asbestos.



R.G. Buckingham

Attachment:

RGB/dlm

SAFETY DEPT.
OCT. 23 1981
NEVILL ISLAND PLANT

USEI000057

AIR CONTAMINANT CONTROL JRT NEVILLE ISLAND PLANT

FACILITY: Maintenance Area-Tech Building

LOCATION NO: 136

OCCUPATION: laborer

CONTAMINANT: Asbestos

TYPE OF CONTROL: Comfo II w/type "F"

DATE SAMPLED: 5-18-81

SAMPLED BY: T.K. Gallagher *TKB*

SAMPLING INSTR: MSA Monitaire

DATE SUBMITTED: 10-13-81

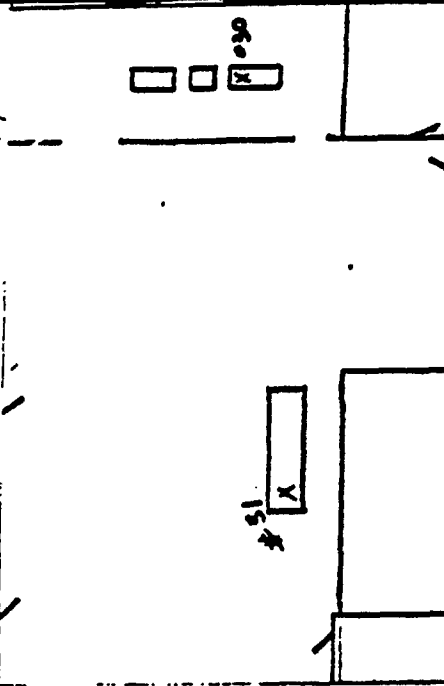
NOTES:

Partly Cloudy

Temperature: Low 60's °F.

Barometric Pressure: 734 mm Hg

DIAGRAM: (SHOW MEASURING LOCATION WITH AN "X")



(T X C) = E									
JOB OR OPERATION	NATURE OF JOB OR OPERATION	TYPE OF SAMPLE			DURATION OF SAMPLE HOURS	AREA CONCENTRATION XRBK fibers/cc	JOB EXP. HRS/DAY	CONCENTRATION FOR EQUIV. EXP. TIME PERIOD FOR WORKER PPM	EQUIV. EXP. PPM
		BREATH ZONE	FIXED	SPO.					
Preparing PAA filter tubes for use.	Collaring tubes with asbestos gaskets. Sample: 8105-028 8105-029 8105-030 8105-031	X			2.75	0.03			0.03
		X			2.75	0.03			
			X		6.75	0.06			
			X		6.67	0.13			

REMARKS:

USEI000058

AIR CONTAMINANT CONCENTRATION REPORT

NEVILLE ISLAND PLANT

FACILITY: Maintenance Area-Tech Building
 LOCATION NO: 136 OCCUPATION: laborer
 CONTAMINANT: Asbestos TYPE OF CONTROL: Comfo II w/type "g" filter
 DATE SAMPLED: 5-15-81 SAMPLED BY: T.K. Gallagher
 SAMPLING INSTR: MSA Monitaire DATE SUBMITTED: 10-13-81

NOTES: Sunny and Mild
Temperature: Upper 50's °F.
Barometric Pressure: 730 mm Hg

DIAGRAM: (SHOW MEASURING LOCATION WITH AN "X")

JOB OR OPERATION	NATURE OF JOB OR OPERATION	TYPE OF SAMPLE		DURATION OF SAMPLE HOURS	AREA CONCENTRATION mg/m ³ fibers/cc	JOB EXP. HRS/DAY	(T X C) = E	
		BREATH ZONE	FIXED SPO:				CONCENTRATION FOR EQUIV. EXP. TIME PERIOD FOR WORKER PPM	PPM
Preparing PAA filter tubes for use.	Collaring tubes with asbestos gaskets. Sample: 8105-026 8105-027 * 8105-024 * 8105-025							
			X	7.0	0.04			
		X	X	7.0	0.07			
		X		4.33	0.02			
		X		2.67	0.02			0.02
TOTAL							0.02	
* Laborer did not work with asbestos gaskets during sample.							AVE. 6 HR. EXP. FEDERAL STDS. fibers/cc	

REMARKS: * Laborer did not work with asbestos gaskets during sample.

USEI000059

AIR CONTAMINANT CONCENTRATION REPORT NEVILLE ISLAND PLANT

FACILITY: <u>Annex Building</u>		DIAGRAM: (SHOW MEASURING LOCATION WITH AN "X")					
LOCATION NO: <u>137</u>	OCCUPATION: _____						
CONTAMINANT: <u>Asbestos</u>	TYPE OF CONTROL: <u>None</u>						
DATE SAMPLED: <u>5-21-81</u>	SAMPLED BY: <u>T.K. Gallagher</u>						
SAMPLING INSTR: <u>MSA Monitair</u>	DATE SUBMITTED: <u>10-13-81</u>						
NOTES: Sunny and Warm Temperature: 60's °F. Barometric Pressure: 724 mm Hg							
JOB OR OPERATION	NATURE OF JOB OR OPERATION	TYPE OF SAMPLE		DURATION OF SAMPLE HOURS	AREA CONCENTRATION PPM	JOB EXP. HRS/DAY	CONCENTRATION FOR EQUIV. EXP. TIME PERIOD FOR WORKER PPM
		BREATH ZONE	FIXED				
Annex Building	The Annex Building is used as a storage area for insulating materials. Sample 8105-032		X	7.0	0.09		
REMARKS: TOTAL AVE. 6 HR. EXP. FEDERAL STDS. fibers/cc							

USEI000060