

To: W. J. Kelly, Division Superintendent
Maintenance & Utilities



EASTERN STEEL DIVISION

Date: April 1, 1980

From: N. R. Stromness, Superintendent
Environmental & Health Services

Subject: Asbestos Survey - Bricklayers
14 Battery

On March 25, 1980, an asbestos survey was conducted on #14 Battery rebuild. The purpose of the survey was to evaluate employee exposure to asbestos fiber while using asbestos rope to pack around the air boxes being installed on the battery.

Criteria:

OSHA limits an employee exposure to asbestos dust to two fibers longer than five microns per cubic centimeter of air based on an eight hour Time Weighted Average exposure.

Conclusions:

The results of the survey (Table 1) indicate Time Weighted Average exposures of .15 fibers/cc of air for both employees monitored. These exposures are within the permissible exposure limit of 2 fibers/cc as established by OSHA.

Recommendations:

The practice of wetting the asbestos rope before using should be continued. The rope should be wetted before cutting or be cut on a wet saw.

A handwritten signature in dark ink, appearing to read "N.R. Stromness".

PRB/cay
Attachment

cc: K. A. Elkan
T. G. Wylie
T. F. Weir

USEI000088

ASBESTOS SURVEY

Clairton Works

3/25/80

TABLE I

<u>ACTIVITY</u>	<u>DURATION/MINUTES</u>	<u>ASBESTOS EXPOSURE FIBERS/cc</u>
<u>Bricklayer - Bercik</u>		
Wetted pre-cut pieces of asbestos rope and then packed the rope around the air boxes. Used a metal rod to pound the rope into place.	112	.07
(This exposure includes time spent at lunch)	80	.61
	141	.11
TIME WEIGHTED AVERAGE EXPOSURE (TWA) is .15 fibers/cc of air.		
<u>Bricklayer - Millas</u>		
Wetted pre-cut pieces of asbestos rope and then packed the rope around the air boxes. Used a metal rod to pound the rope into place.	110	.14
(This exposure includes time spent at lunch)	80	.47
	144	.13

TIME WEIGHTED AVERAGE EXPOSURE (TWA) is .15 fibers/cc of air.