

DISTRIBUTE TO

ALL SUPERVISORS

DEPARTMENT HEADS

SUBJECT:



Bell Laboratories

date

July 25

from:

GPW Blackman

Attached is a numbered copy of the new Bell Laboratories Safety Practices binder and the first five practices pertaining to ASBESTOS, NOISE, RESPIRATORY PROTECTION, EYE PROTECTION, and HAZARDOUS WASTE DISPOSAL. New sections will be sent to each registered copy holder as they are developed. In order to insure prompt delivery of these sections, it is essential that changes of address be sent promptly to:

Industrial Hygienist
MH 1F-104

If you have any suggestions do not hesitate to write the Industrial Hygiene and Safety Group, Room MH 1F-104.

MH-78691-WWC-mpb

GPW Blackman

LLA 001839

PLAINTIFF'S EXHIBIT

ATT-381

ASBESTOS

Introduction

Maintenance and repair work on some of the Bell Laboratories Plant facilities has necessitated that on occasion asbestos insulation on pipes, boilers, beams, etc., be manipulated or removed. To assure compliance with all applicable state and federal regulations:

1. All contractors or Bell Laboratories employees engaged in asbestos handling or removal must comply with the regulations outlined in the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.1001.
2. The Environmental Management Group of the Environmental Health, Environmental Management and Safety Center should be provided with the name of the disposal site.

OSHA Standard

The present OSHA asbestos standard is two asbestos fibers per cubic centimeter of air as an 8-hour Time Weighted Average (TWA). "OSHA Program Directive #300-16," requires that medical examinations be given employees who have asbestos exposures equal to or exceeding 0.1 fibers per cubic centimeter of air as an 8-hour TWA.

Handling Asbestos Containing Insulation

Before working with material that is thought to contain asbestos, the material must be analyzed to determine if it in fact does contain asbestos. It is not possible by visual inspection to ascertain whether or not insulation contains asbestos. If insulation materials are to be analyzed, please contact the Environmental Health and Safety Department for instructions on the correct method of sampling.

The primary goal when handling asbestos containing material is to minimize employee exposure. Insofar as possible, asbestos should be removed or otherwise worked in a wet state sufficient to prevent the emission of airborne fibers. For example, workers should continually mist or spray the layers of insulation with water if they are being removed.

Employees engaged in the removal or demolition of asbestos insulation or coverings must be provided with respiratory protection and with protective clothing. Generally, workers wear disposable coveralls including a hood. Respirators must be NIOSH/MSHA approved and be marked accordingly.

Caution signs must be provided and displayed at each location when airborne concentration of fibers may be in excess of exposure limits. Signs must be posted at such a distance from the location so that employees may read the sign and take necessary protective steps. Work areas should be roped off and signs posted to prevent inadvertent exposure to personnel not working in the area.

All work areas where asbestos is being manipulated should be enclosed within plastic drapes. Floors should also be covered. Upon completion of the work tasks, all enclosure materials should be removed and disposed of in accordance with the applicable regulations. Any asbestos containing wastes must contain caution labels that are affixed to the bag containing the waste.

After completion of all job tasks, work areas should be vacuumed with an approved vacuum cleaner containing a HEPA filter which will remove 99.97% of particles with a diameter of 0.3 micrometers or greater. An alternative to vacuuming is to wet mop the affected area.

Disposal

Asbestos is not regulated by RCRA, Resource Conservation and Recovery Act, and may be disposed of in a sanitary landfill. The Environmental Management Group should be supplied with the name of landfills used for asbestos disposal. Call MH x4868.

Conclusions

The Environmental Health, Environmental Management and Safety Center is available to review contractor work practices and BTL work practices to insure compliance with all applicable regulations. This department is also available to monitor BTL employees who have a potential asbestos exposure or answer any asbestos related questions. Call MH x6551 for assistance.