

CONFIDENTIAL

January 3, 1980

Memorandum to OSHA File

cc: E. W. Collins
E. D. Keiper
R. J. Niederstadt

Bevil Hart of the Beaumont OSHA office telephoned J. L. Wescoat Wednesday afternoon, January 2, 1980, to relay some information associated with the inspection conducted September 12, 1979.

Hart advised the following:

1. The bulk (pinch) samples of scrap insulation that he picked up from the ground and platforms in the TCC 2/3 and TCC 4/5 areas did contain asbestos.
2. Personnel breathing zone samples taken from Mobil employees showed asbestos to be non-detectable.
3. Personnel breathing zone samples taken on Commercial Metals Corporation employees did show some level of asbestos. Hart did not state the magnitude of the asbestos in these samples.
4. Hart is progressing a citation against Commercial Metals Corporation. This is primarily because of the absence of a viable program for protecting their employees and because of the way they were handling asbestos scrap.
5. OSHA does not plan to recommend a citation against Mobil. Hart stated that Mobil could be cited along with the contractor because of the loose asbestos scrap mentioned in Item 1 above and because of the performance and behavior by the contractor. Hart stated that this decision was reached as a result of his own observations while at the refinery and subsequent conversations with OSHA people and a number of Mobil employees.
6. Standard 1910.1001 (f)(4), copy attached, states that ". Affected employees, or their representatives, shall be given a reasonable opportunity to observe any monitoring required by this paragraph and shall have access to the records thereof." Hart went on to emphasize that access to information such as sampling results is just as much a part of the standards as other parts and we could be cited for willful violation on this item if the employees' complaints are judged to be valid by OSHA.

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Attachment

J. L. Wescoat *JLW*

P. S. Hart advised that he had spoken to EDK Monday, December 31. JLW reviewed substance of both telephone conversations with EDK. Hart covered essentially the same information each time.

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containers for each employee, so separated or isolated as to prevent contamination of the employees' street clothes from his work clothes.

(iii) Laundering: (a) Laundering of asbestos contaminated clothing shall be done so as to prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section.

(b) Any employer who gives asbestos-contaminated clothing to another person for laundering shall inform such person of the requirement in paragraph (d)(4)(iii)(a) of this section to effectively prevent the release of airborne asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section.

(c) Contaminated clothing shall be transported in sealed impermeable bags, or other closed, impermeable containers, and labeled in accordance with paragraph (g) of this section.

(e) Method of measurement. All determinations of airborne concentrations of asbestos fibers shall be made by the membrane filter method at 400/450 X (magnification) (4 millimeter objective) with phase contrast illumination.

(1) Monitoring—(i) Initial determinations. Within 6 months of the publication of this section, every employer shall cause every place of employment where asbestos fibers are released to be monitored in such a way as to determine whether every employee's exposure to asbestos fibers is below the limits prescribed in paragraph (b) of this section. If the limits are exceeded, the employer shall immediately undertake a compliance program in accordance with paragraph (c) of this section.

(2) Personal monitoring—(i) Samples shall be collected from within the breathing zone of the employee, on a membrane filter of 0.8 micrometer porosity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average airborne concentrations and of the ceiling concentrations of asbestos fibers.

(ii) Sampling frequency and pattern. After the initial determinations required by paragraph (1)(i) of this

section, samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of employees. In no case shall the sampling be done at intervals greater than 6 months for employees whose exposure to asbestos may reasonably be foreseen to exceed the limits prescribed by paragraph (b) of this section.

(3) Environmental monitoring—(i) Samples shall be collected from areas of a work environment which are representative of the airborne concentrations of asbestos fibers which may reach the breathing zone of employees. Samples shall be collected on a membrane filter of 0.8 micrometer porosity mounted in an open-face filter holder. Samples shall be taken for the determination of the 8-hour time-weighted average airborne concentrations and of the ceiling concentrations of asbestos fibers.

(ii) Sampling frequency and pattern. After the initial determinations required by paragraph (1)(i) of this section, samples shall be of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of the employees. In no case shall sampling be at intervals greater than 6 months for employees whose exposure to asbestos may reasonably be foreseen to exceed the limits prescribed in paragraph (b) of this section.

(4) Employee observation of monitoring. Affected employees, or their representatives, shall be given a reasonable opportunity to observe any monitoring required by this paragraph and shall have access to the records thereof.

(g) Caution signs and labels. (1) Caution signs. (i) Positive caution signs shall be provided and displayed at each location where airborne concentrations of asbestos fibers may be in excess of the exposure limits prescribed in paragraph (b) of this section. Signs shall be posted at such a distance from such a location so that an employee may read the signs and take necessary protective steps before entering the area marked by the signs. Signs shall be posted at all approaches

to areas containing excessive concentrations of airborne asbestos fibers.

(ii) Sign specifications. The warning signs required by paragraph (g)(1)(i) of this section shall conform to the requirements of 20" X 14" vertical format signs specified in § 1910.146(d)(4), and to this subdivision. The signs shall display the following legend in the lower panel, with letter sizes and styles of a visibility at least equal to that specified in this subdivision.

Legend	Notation
Asbestos	1" Sans Serif, Outline or Block.
Dust Hazard	"9" Sans Serif, Outline or Block.
Avoid Breathing Dust	"9" Outline.
Wear Assigned Protective Equipment	"9" Outline.
Do Not Remove In Area	"9" Outline.
Under Your Work Requires Breathing Protection	"9" Outline.
Respirator To Your Health	"9" Outline.

Spacing between lines shall be at least equal to the height of the upper of any two lines.

(2) Caution labels—(i) Labeling. Caution labels shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers, except that no label is required where asbestos fibers have been modified by a bonding agent, coating, binder, or other material so that during any reasonably foreseeable use, handling, storage, disposal, processing, or transportation, no airborne concentrations of asbestos fibers in excess of the exposure limits prescribed in paragraph (b) of this section will be released.

(ii) Label specifications. The caution labels required by paragraph (g)(2)(i) of this section shall be printed in letters of sufficient size and contrast as to be readily visible and legible. The label shall state:

CAUTION
Contains Asbestos Fibers
Avoid Creating Dust
Breathing Asbestos Dust May Cause Serious Bodily Harm
(h) Housekeeping—(1) Cleaning. All external surfaces in any place of em-

ployment shall be mainly accumulations of asbestos with their dispersion, the an excessive concentration

(2) Waste disposal. All scrap, debris, bags, containers, and asbestos-clothing, consigned for disposal, shall be placed in a sealed use, handling, storing, disposal, or transport concentrations of as in excess of the exposure limits prescribed in paragraph (b) of this section. Records shall be for a period of at least 2 shall be made available to the Assistant Secretary Occupational Safety and Health (Department of Labor) to authorized representatives.

(1) Recordkeeping—(i) Records. Every employer shall maintain records of any personal monitoring required by this section. Records shall be for a period of at least 2 shall be made available to the Assistant Secretary Occupational Safety and Health (Department of Labor) to authorized representatives.

(2) Employee access. Every and former employee shall have access to any records maintained by the employer in this section, which in employee's own exposure fibers.

(3) Employee notification. Every employee shall be notified of the corrective action taken.

(i) Medical examination. The employer shall make available at his cost, examinations relative to asbestos required by this paragraph (3) Preplacement. The employer shall provide or make available to each of his employees, within 30 days following his first employment in an occupation exp-