

Environmental Safety & Health Services

414 PORTAGE TRAIL
CUYAHOGA FALLS, OHIO 44221
216*923-3526

PLAINTIFF'S
EXHIBIT
WH-1005

April 10, 1973

CONFIDENTIAL

Mr. Wayne B. Davis
Manufacturing Engineer
Westinghouse Electric Corp.
467 Sharpsville Avenue
Sharon, Pa. 16146

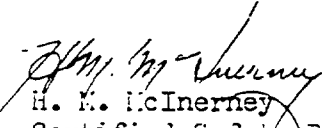
Dear Mr. Davis:

Attached is the report of asbestos air sampling conducted by Environmental Safety & Health Services at the Sharon Plant of Westinghouse Electric Corporation during April, 1973. The sampling and counting procedures used are identical to those prescribed for Compliance Officers by the US Department of Labor. The report contains sufficient data to enable you to determine which provisions of paragraph 1910.93a of the Occupational Safety and Health Standards are required for your operations.

I want to thank you for the excellent job you did in coordinating the testing program. We were able to complete the air sampling without any delay even though a wide variety of jobs at different locations were involved. I also want to express my appreciation for the excellent cooperation we received from all the employees and supervision in the areas where we worked.

If you have any questions regarding the report, sampling methods, or counting techniques, please contact me.

Sincerely,


H. K. McInerney
Certified Safety Professional #1045

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Mr. Wayne B. Davis
Manufacturing Engineer
Westinghouse Electric Corp.
469 Sharpsville Avenue
Sharon, Pa. 16146

Dear Wayne:

The following comments supplement the data included in the air sampling report and are submitted for your consideration.

*I.R.
no medicals to be
given.*

*Medical
Examinations*

Substant

W. J. Gage

1. OSHA (paragraph 1910.93a) requires that medical examinations consisting of a chest x-ray, history, and pulmonary function tests be given to all employees exposed to airborne asbestos. If this has not been done, I would suggest that the program be started as quickly as possible.
2. A survey should be made to determine if asbestos processing can be eliminated in some areas by having the work performed in a central location. For example, the drilling operation at E-50 could be done in I-35 where other asbestos is handled and delivered to E-50 in closed plastic containers.
3. Serious consideration should be given to replacing all asbestos material with a less hazardous compound.
4. As we discussed at several locations, a major problem exists in the clean-up and disposal of waste asbestos material. More frequent clean-up of work stations is needed and it should be by vacuum methods. Scrap material must be placed in plastic bags, sealed, labelled, and properly disposed.

I would like to comment that at every location it was noted that no asbestos waste was seen on the equipment or adjacent floor prior to the start of the work. This indicates that you have an excellent housekeeping program already in effect. This was apparent throughout the facility.

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5. The exhaust ventilation system at the table saw A-20 needs to be modified for more effective operation. The unit should be separated from the general exhaust system and provided with dust collection devices. The Federal Register for April 6, 1973 lists the new National Emission Standards for Asbestos as required by the Environmental Protection Agency.
6. It was noticed that the operator at the A-20 table saw used compressed air to clean Transite dust from his clothing. You may want to consider the use of disposable clothing on this job until the ventilation system is modified.
7. Several of the more heavily loaded filter papers were examined for total dust loading and it was calculated that the dust concentration would be less than half the allowable limit for nuisance dust (50 million particles per cubic foot of air). Generally where Transite was processed the ratio was 5 dust particles per 1 fiber.
8. OSHA paragraph 1910.93a requires "sampling of such frequency and pattern as to represent with reasonable accuracy the levels of exposure of the employees" This is required in addition to the initial survey. I would recommend that the survey be repeated within 8 months. This could be done by plant personnel or by an outside firm.
9. If respiratory protection devices are used by employees, then the complete program required by OSHA must be maintained. This includes training, medical evaluation, inspection of devices and their use, periodic cleaning and sanitizing, and maintenance of records. From general observations, I would recommend that operators at those jobs where a large amount of material is removed, be required to wear respirators. Consideration should be given to using a disposable, approved type of respirator similar to the 3M Model 3710.

In view of the health hazards attributed to asbestos and the administrative and engineering controls required by OSHA, I believe that finding a substitute for asbestos material is well worth while.

Thanks for doing a very excellent job of coordinating the sampling program.

Sincerely,

H. E. McInerney
H. E. McInerney

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