

November 1992

IN RE: ALBRAMS

TO: WINSTON-SALEM, NC
Turbine Components Plant
R. W. Deen
Plant Manager

cc: Winston-Salem, NC
T. L. Watters
Industrial Hygiene & Safety Rep.

Blumberg No. 8113
**PLAINTIFF'S
EXHIBIT**
WH-825

MWB-0037398

INDUSTRIAL HYGIENE AUDIT

OF

TURBINE COMPONENTS PLANT

WINSTON-SALEM, NC

APRIL 22, 1987

Conducted and Reported by:

~~Corporate Industrial Hygiene Manager~~ ;
Corporate Industrial Hygiene Dept.
Westinghouse Electric Corporation
R&D Center - 401-3X9
1310 Beulah Road
Pittsburgh, PA 15235
June 4, 1987

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ABSTRACT

An Industrial Hygiene Audit of the Turbine Component Plant in Winston-Salem, NC was conducted by C. W. Bickerstaff on April 22, 1987. Ms. Theresa Watters provided a tour of the plant and answered questions relative to this audit.

The recommendations which follow are a result of this audit, and are commented upon in detail in the Discussion Section of this report.

1. Update the plant inventory of hazardous materials and provide specific training this year to employees who work with hazardous materials.
2. Perform annual monitoring for employees who work with solvents, grinding operations, high noise areas and heat stress operations.
3. Control of ventilation design. Modification should be maintained by plant facilities.
4. Asbestos pipe insulation should be removed by the customer before the units are shipped to the (W) plant for repair.
5. Mr. Sam Brim should be enrolled in the next Corporate Safety Training Course.

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DISCUSSION

The purpose of this audit was to review this plant's operation and recordkeeping procedures with respect to good industrial hygiene practice. The standard (W) Corporate Audit Form, a Hazard Communication Audit Form, a walk-through tour of production areas, and interviews with plant personnel were employed for this audit.

1. The plant Hazard Communication/Right-To-Know (HC/RTK) Program was established last year and contains all of the necessary functions, i.e. inventory of hazardous materials, an inventory of MSDS's, a written program, labeling of most hazardous materials and general training for all workers. This year, however, specific training should be given to employees who work with hazardous materials or in hazardous operations such as vapor degreasing, grinding and high noise areas. NOTE! Corporate Industrial Hygiene has such training programs available.

To update and complete your HC/RTK Program the inventory of hazardous material should be updated and copies of appropriate MSDS's should be placed in various areas of the plant accessible to the employees.

2. Industrial hygiene monitoring in the past has included areas such as air sampling in the grinding operations and noise monitoring. An annual monitoring program should be performed for employees who work with hazardous materials, i.e. vapor degreasing, grinding operations, and high noise areas. Before initiating such a program, review the materials used and the type of operations with Corporate Industrial Hygiene to establish the proper monitoring procedures.
3. Exhaust ventilation is a major control for controlling the work atmosphere in the plant. Each ventilation addition or modification should be approved by plant facilities to maximize the control and minimize energy loss. To keep the plant facilities personnel current in ventilation design, someone should attend one of the Industrial Ventilation Courses (contact Corporate industrial Hygiene for details).

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5. Mr. Sam Brin was promoted into the Human Resources Department and one of his responsibilities is Industrial Hygiene and Safety. Therefore, he needs to receive training in industrial hygiene and safety. The initial (W) course is Safety Management which should be offered this fall. Then he should be scheduled to attend a (W) Industrial Hygiene Course next year.

Comments concerning this audit are welcomed. Please issue a response by July 10, 1987 concerning how and when recommendations in this report will be implemented.

C. W. Bickerstaff
C. W. Bickerstaff, Manager
Corporate Industrial Hygiene

/jme

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