FILE NAME: Westinghouse Pennsylvania Archives (WHPA)

DATE: 1970

DOC#: WHPA012

DOCUMENT DESCRIPTION: WH Beaver Plant Documents

**Westinghouse Beaver**

- No asbestos specific info
- 1970 punch cards with Operation/Hazard/Control Measure matrix
- 1970 report of inspection. Recirculation of air an issue
- 1970 Operation/Hazard/Control Measure matrix

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF OCCUPATIONAL HEALTH

# PLANT INFORMATION RECORD

STOCK No. 5268.3

PLANT: Westinghouse Electric Corp.
Distribution & Control Equipment Divisions

AREA CODE PHONE NO. 412-774-5000

ADDRESS: Tuscarawas Rd.

Beaver, Pa. 15009

EMPLOYEES: M 1,600 ; F 1,400 ; T 3,000

PRODUCT OR SERVICE: Electrical Control Apparatus

PERSON INTERVIEWED: William Kirsch, Supervisor of Safety & Training

PHYSICIAN: A. W. Culley, M.D. (part-time)

ADDRESS: 450 Dutch Ridge Rd.

Beaver, Pa. 15009

NURSES: Neva Wallace, R.N.; Ann Wilson, R.N.; Lillian Phillis, R.N.

RECEIVED
AUG 2 3 1970
PENNA. DEPT. OF HEALTH
INDUSTRIAL HYGIENE SECTION

RECEIVED
APR - 7 1970
PENNA. DEPT. OF HEALTH
INDUSTRIAL HYGIENE SECTION

SAFETY SUPERVISOR: William Kirsch

INDUSTRIAL HYGIENIST: H. W. Speicher

INSURANCE CARRIER: Self-Insured

LEGAL OWNER: Corp. (Westinghouse Electric Corp., Pittsburgh, Pa.)

RECOMMENDATIONS: 1. Secure approval from the Department to recirculate air within the plant. (Ltr. sent: 1/28/70) 2. Exhaust the brazing operation to the outside and discontinue the recirculation. (Ltr. sent: 1/29/70)

REMARKS: The company has exhaust ventilated most of the brazing operations that work with brazes that contain cadmium. The company has purchased a General Radio Noise meter. As of yet, not much work has been done with this, but the company plans on doing a lot of noise measurements in the plant.

Radiation - Machine - Registration.

W.I.N.'s = 16.0

TYPE OF VISIT: Inspection — DATE: 1/27/70 — BY: N. Ray Brown & Tom Albert

Last - 3/26/70

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL: I | II | IIIA | IIIB | IIIC | IV | V | OTHER

RECOMM: MADE | ACCOMPLISHED | PARTIAL ACCOM.

SURVEY: TO BE MADE | PREV. MADE

CONTROLLED HAZARDS: DERM. | DUST | ENVIRONMENTAL | FUMES | GAS | MIST | VAPOR | MISC.

HAZARDS: DERM. | DUST | ENVIRONMENTAL | FUMES | GAS | MIST | VAPOR | MISC.

| OPERATION | HAZARD | CONTROL MEASURE |
|---|---|---|
| Assembly | Noise | Inter. type noises |
| Riveting | Metal Dusts*, Noise | G.A.D., short duration noises |
| Grinding | Metal Dusts*, Carborundum Dust | G.A.D. |
| Wax Melting Pot (elec.) | Wax Vapors | Thermal exhaust to upper areas of roof |
| Punching - 20 | Metal Dusts*, Noise | G.A.D., impact type noises |
| Plating Area | | |
| Plating Line #1 | | |
| $H_2O$ Rinse | Dampness | Protect. clothing |
| Silver Immersion | Silver Cyanide & Sodium Cyanide Mists & Vapors, HCN Gas, Derm. | G.A.D., protect. clothing, per. hyg. |
| Emergency Cn. treatment kit ?? | | |
| Acid Dipping | $HNO_3$ & $H_2SO_4$ Mists & Vapors, $NO_x$ Gas, Derm. | L.E.V. to the outside, per. hyg. |
| $H_2O$ Dipping | Dampness | Protect. clothing |
| Copper Cleaner | Mists & Vapors "#815" (Dart International) Derm. | L.E.V. to the outside, protect. clothing, per. hyg. |

(continued on second sheet)

Reproduction of an Original Record
Please Credit
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

file

Division of Occupational Health
505 State Office Building
300 Liberty Avenue
Pittsburgh, Pennsylvania 15222

January 29, 1970

Westinghouse Electric Corporation
Distribution & Control Equipment Divisions
Tuscarawas Road
Beaver, Pennsylvania 15009

Attention: Mr. William Kirsch
Supervisor of Safety & Training

Gentlemen:

An inspection of your plant was conducted by Mr. N. Ray Brown, industrial hygienist, on January 27, 1970 to evaluate health hazards to which workers may be exposed.

Based on this inspection, the following recommendation is made:

Discontinue the recirculation of air at the Brazing Operation in the C1 Area and exhaust ventilate the operation to the outside.

The above recommendation should be accomplished within 30 days following the receipt of this letter.

Thank you for your cooperation. If you have any questions regarding this inspection, please let us know.

Very truly yours,

Nicholas Fannick
Regional Industrial Hygienist
Human Services Region V

RECEIVED

NF/NRB/jal

cc: Central Office (2)
File
F.U.

Reproduction of an Original Record
Please Credit
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

Division of Occupational Health
505 State Office Building
300 Liberty Avenue
Pittsburgh, Pennsylvania 15222

January 28, 1970

Westinghouse Electric Corporation
Distribution & Control Equipment Divisions
Tuscauawas Road
Beaver, Pennsylvania 15009

Attention: Mr. William Kirsch
Supervisor of Safety & Training

Gentlemen:

Re: Recirculation of Air - Article 432, Section 6

On January 27, 1970 an inspection was made at your plant by Mr. N. Ray Brown, industrial hygienist. It was noted that 25 air recirculation systems were utilized.

Such systems must be exhausted to the outside or must be approved by the Department in accordance with Section 6A, Article 432 (enclosed). Complete the applications which were given to you during the inspection in triplicate and return them within 15 days.

If you have any questions regarding the completion of these forms or need additional forms, please do not hesitate to contact me (565-5102).

Very truly yours,

Nicholas Fannick
Regional Industrial Hygienist
Human Services Region V

NF/NRB/TWA/jal
Enclosure

cc: Central Office (2) - Air Recirculation Committee
File
F/U

Reproduction of an Original Historic Record
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120
PA Historical & Museum Commission

pe 1/27/70

continued - Page 2

Westinghouse Electric Corp.
Distribution & Control Equipment Divisions
Tuscarawas Rd.
Beaver, Pa. 15009

| OPERATION | HAZARD | CONTROL MEASURE |
|---|---|---|
| Plating Line #2 | | |
| Dip Cleaning | NaOH Mist & Vapor, Derm. | L.E.V. to the outside, per. hyg. |
| $H_2O$ Rinse | Dampness | Protect. clothing |
| Acid Dipping | $HNO_3$ Mist & Vapor, $N_xO_x$ Gas, Derm. | L.E.V. to the outside, per. hyg. |
| $H_2O$ Rinsing | Dampness | Protect. clothing |
| Zinc Immersion Dip | NaOH & ZnO Mists & Vapors, Derm. | G.A.D., per. hyg. |
| $H_2O$ Rinsing - 2 | Dampness | Protect. clothing |
| Copper Plating - 2 | CuCN & NaCN Mists & Vapors, HCN Gas, Derm. | G.A.D., per. hyg. |
| $H_2O$ Rinsing | Dampness | Protect. clothing |
| Silver Cyanide Dip | Silver Cyanide & Potassium Cyanide Mists & Vapors, Hydrogen Cyanide Gas, Derm. | L.E.V. to the outside, per. hyg. |

Reproduction of an Original Record
Plants Creek
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

9/30/70

Westinghouse Electric Corp.
Distribution & Control Equipment Divisions
Tuscarawas Rd.
Beaver, Pa. 15009

| OPERATION | HAZARD | CONTROL MEASURE |
|---|---|---|
| $H_2O$ Rinse | Dampness | Protect. clothing |
| Hot $H_2O$ Rinse | do. + Steam | L.E.V. to the outside |
| Plating Line #3 | | |
| Dip Cleaning | NaOH Mist & Vapor, Derm. | do. + per. hyg. |
| $H_2O$ Dipping | Dampness | Protect. clothing |
| Acid Dipping | $H_2SO_4$ Mist & Vapor, Derm. | L.E.V. to the outside, per. hyg. |
| $H_2O$ Rinsing | Dampness | Protect. clothing |
| Copper Dipping | Copper Sulfate & Sodium Chloride Mists & Vapors, Derm. | G.A.D., per. hyg. |
| $H_2O$ Rinsing | Dampness | Protect. clothing |
| Impact Zinc Plating | Zinc Dust | G.A.D., done in wet solution |

Reproduction of an Original Record
Please Order
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

Westinghouse Electric Corp.
Distribution & Control Equipment Divisions
Tuscarawas Rd.
Beaver, Pa. 15009

| OPERATION | HAZARD | CONTROL MEASURE |
|---|---|---|
| Shrinking Vinyl Cover (gas-fired oven) | Heat, CO & $CO_2$ Gases | Closed oven with L.E.V. to the outside |
| Silver Soldering ($O_2$ & Acetylene Torch) | Silver, Copper, Zinc, Cadmium & Fluoride Fumes, CO, $CO_2$ & $N_xO_x$ Gases, I.R. Rad. | L.E.V. to the outside |
| Blasting | Aluminum Oxide Dusts & Metal Dusts* | L.E.V. to dust collector |
| Metallizing | Silver Fumes, CO, $CO_2$, $O_3$ & $N_xO_x$ Gases, Smoke, I.R. & U.V. Rad. | L.E.V. to the outside, closed oper. |
| <u>Underwriter's Laboratory</u> | | |
| Electrical Testing | Electrical Shock | Grounded |
| <u>Auto. Plating Area</u> | | |
| Rinsing - 2 | $H_2O$ Vapor | Protect. clothing |
| Nickel Plating | Nickel Sulfate & Nickel Chloride Mists & Vapors, Derm. | G.A.D., per. hyg. |

Reproduction of an Original Record
Please Credit
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

Westinghouse Electric Corp.
Distribution & Control Equipment Divisions
Tuscarawas Rd.
Beaver, Pa. 15009

| OPERATION | HAZARD | CONTROL MEASURE |
|---|---|---|
| Tin Plating | Sodium Stannate & Sodium Hydroxide Mists & Vapors, Derm. | L.E.V. to the outside, per. hyg. |
| Cadmium Plating | Sodium Cyanide Mist & Vapor, HCN Gas, Derm. | do. |
| Copper Plating | Copper Cyanide & Sodium Hydroxide Mists & Vapors, HCN Gas | L.E.V. to the outside |
| Rinsing | Dampness | Protect. clothing |
| Acid Dipping | Hydrofluoric Acid Mist & Vapor, Derm. | L.E.V. to the outside, per. hyg. |
| Rinsing | Dampness | Protect. clothing |
| Dip Cleaning | NaOH Mist & Vapor, Derm. | L.E.V. to the outside, per. hyg. |
| Phosphate Coating | Phosphate Mist & Vapor, Derm. | do. + protect. clothing |

Reproduction of an Original Record
Please Credit
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission