

FILE NAME: Westinghouse Pennsylvania Archives (WHPA)

DATE: 1959

DOC#: WHPA002

DOCUMENT DESCRIPTION: WH Sharon - Punch Card with
Asbestos Documented as 'Insulation on the Resin'

Westinghouse Sharon

- 1959 punch card with Operation/Hazard/Control Measure matrix, asbestos documented as insulation filler “on the resins”

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF INDUSTRIAL HYGIENE

PLANT INFORMATION RECORD

PLANT Westinghouse Electric Corporation

ADDRESS Sharpsville Avenue

Sharon, Pennsylvania

PRODUCT OR SERVICE Electrical Transformers

PERSON INTERVIEWED James McCliman, Safety Supervisor

PHYSICIAN Howard Lafferty, M. D. J. F. Coyne, M. D.

Plant Dispensary

DENTIST None

NURSE Helen Price, R. N., Head Nurse

Plant Dispensary - 7 other nurses are on duty at various times during the three shifts.

SAFETY SUPERVISOR James McCliman, plus Safety Committee

INDUSTRIAL HYGIENIST W. Speicher, Westinghouse Electric and Mfg. Co., Pgh.

INSURANCE CARRIER Self Insured

LEGAL OWNER Corporation

RECOMMENDATIONS 1) Film badges for medical X-ray. 2) Individual personnel radiation dosage records and social security numbers for medical X-ray personnel.

REMARKS Plant surveyed every 10 months by the company's Industrial Hygiene Department. Periodic surveys also made for new operations by this department. Plans for chest X-rays for all employees being contemplated. X-ray technician, Miss Betty Burns, M.T., will do X-raying under supervision of Dr. J. F. Coyne. Survey made of medical X-ray unit.

TYPE OF VISIT Inspection

DATE 11-13-59

BY R. S. Burke

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL

RECOMM.

SURVEY

CONTROL MEASURES

HAZARDS

PERSONNEL

RECOMM.

SURVEY

CONTROL MEASURES

HAZARDS

OPERATION	HAZARD	CONTROL MEASURE
Building 2: Radiographing of welds. 250 KVP. 20 MA - X-ray unit.	Stray Radiation (X-ray)	Shielding - Remote control Personnel records, Film Badges, Distance from source to other workers.
Medical Dispensary: Fluoroscopic X-ray use	Stray Radiation (X-ray)	Same as above
Tank Shop: Arc welding regular steel	Iron oxide fumes Ozone Carbon Monoxide Oxides of nitrogen Ultra Violet light Fluoride fumes	High ceilings Exhaust fans at ceiling Welding shields Gloves, Protective Clothing
Arc welding stainless steel	Same as arc welding regular steel but including Nickel Carbonyl	Same as arc welding regular steel
Grinding of Welds	Iron oxide dust Silicon carbide dust Noise	General air dilution Ear defenders
Shot blasting	Steel dust	Enclosed booth exhaust ventilation. Air supplied blasting hoods. Protective clothing.
Paint spraying	Faint pigment mist Xylol vapors Dermatitis (Xylol contact)	Exhaust ventilated booth. Respirators, gloves.
Plating of Metals		
Metal surface preparation	Caustic mist Trichloroethylene vapor Sulphuric acid mist Nitric acid mist Oxides of nitrogen Phosphoric acid mist Sodium cyanide mist Cadmium salt mist Dampness Water mist	Local exhaust side slot Water cooler Local exhaust Local exhaust Local exhaust Local exhaust Local exhaust Local exhaust Protective clothing General air dilution
Chrome plating	Chromic acid mist Dermatitis (acid contact) Dampness	Local exhaust ventilation Plastic disc on surface Respirators, gloves, protective clothing
Annealing ovens oil dipping	Heat Oil mist	General ventilation General ventilation

(Continued)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF OCCUPATIONAL HEALTH

C.O. File
Baird
Bloom
PLANT INFORMATION RECORD
Stock No. 5268.3

PLANT Westinghouse Electric Corporation
Materials & Process Development Dept., Power Transformer Division
ADDRESS 469 Sharpsville Avenue
Sharon, Pennsylvania 16146
AREA CODE 814-981-1611
PHONE NO. 814-981-1611
EMPLOYEES: 52

PRODUCT OR SERVICE Process development & routine testing of incoming materials *

PERSON INTERVIEWED Mr. Harry Sheppard, Manager

PHYSICIAN Dr. J. F. Coyne, M.D., full time at plant

DENTIST None

NURSE 6 nurses full time at plant dispensary. 24 hour coverage, all R.N.'s

SAFETY SUPERVISOR Mr. James McCliman, Safety Supervisor

INDUSTRIAL HYGIENIST W. Speicher, Westinghouse Electric, Pittsburgh

INSURANCE CARRIER Self insured

LEGAL OWNER Corporation, Westinghouse Electric Company, Pittsburgh

RECOMMENDATIONS None

REMARKS *The plant also has a quality control department. Periodic visits by Industrial Hygienists from Westinghouse. Accompanied by Mrs. Sandy Wolfgang; Mr. Sheppard and his section chief all had scheduled meetings. Did speak to individual room supervisors on operations. No radiation or radioactive materials in this department. Be alloys handled on occasion. However, this consists of bending and shaping contacts. No operation performed on Be alloy which could produce a particulate. Preplacement and periodic physicals performed on research personnel includes x-rays. Asbestos has been tried as an insulating filler on the resins. However, asbestos does not have sufficient electrical

TYPE OF VISIT Inspection

DATE 2/8/67

Rev. T. Richards (See attached sheet)

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL RECOMM SURVEY CONTROLLED HAZARDS HAZARDS

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Remarks (continued)

*Materials & Process Development Dept.
Power Transformer Div.
469 Sharpsville Ave. Sharon*

insulating properties so silica is used mostly. This department does no research, but rather process development from techniques developed at research center in Pittsburgh. Isocyanate and polyurethanes not presently used for insulating but may be on the way in.

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Resin Lab:		
Mixing, molding & curing	epoxy's, melamines, ureas - vapors & mists dermatitis toluene vapor	Lab hood for mixing, enclosed and exhausted ovens for curing, labelled safety cans for solvent storage, personal hygiene and gloves.
Chemical Lab: Mixing and process testing of resins		
Mixing	do	Lab hoods, personal hygiene, gloves
Wet chemical analysis	Various dusts, vapors, mists and gases	GDV, lab hoods
Electrical Lab:		
Electrical testing of transformers	none apparent	
Machine Shop:		
Lathe, milling, drilling boring & sawing	Various ferrous & non-ferrous metal dusts, polyethylene, Teflon & nylon dusts, cutting oil mist & decomposition products	GDV, occ. exp.
Stand & surface grinding Be alloy shaping	Metal & Al ₂ O ₃ dusts Be - Cu dust	GDV & occ. exp. GDV, occ. exp., see remarks
Electrical Insulator & transformer life testing	None apparent	Separate rooms
Paint Lab: Corrosion testing		
Spray painting	Misc. pigment mists, toluene, xylene, MEK, MIBK and acetone vapors	LEV hood occ. exp.

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Westinghouse Electric Company, Sharon, Pennsylvania

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Salt spray	NaCl mist	Enclosed
Weatherometer	UV, O ₃ , N _x O, IR CO, CO ₂	Enclosed GDV, occ. exp.
Acid & Alkali dip	less than 1% acid & alkali mists dermatitis	GDV, occ. exp., automatic dipping, personal hygiene
Welding Lab:		
Arc & Mig welding	Fe ₂ O ₃ & Cu fume, CO, CO ₂ , UV, O ₃ , N _x O, IR heat	LEV hood, Face shield and protective clothing, occ. exp.
Acetylene welding	Fe ₂ O ₃ , fume, CO, CO ₂ heat, IR	LEV hood, goggles, occ. exp.
Brazing	Cu fume, CO, CO ₂ , heat IR, "Handy Flux" - mist (Handy Harmon Co.) (N.Y., N.Y.)	do.
Pilot Plant: Used by all sections		
Hot & cold testing of bushings	Heat, cold, IR	Ovens enclosed and exhausted, cold units are deep freeze type (no entrance possible)
Belt sanding	Metal & S.C. dusts	LEV - air recirculation, installed prior to 1961, occ. exp.
Resin mixing, degassing & vacuum molding	Epoxy resins of all types, silica fillers, anhydride type curing agents, some amine curing agents, dermatitis	All enclosed & exhausted, USBM dust respirators #2166 for weighing and handling dusty materials, gloves, skin creams & personal hygiene
Steel cutting - nibbler	Fe dust	GDV, occ. exp.
Salt spray testing	NaCl mist	Enclosed
Annealing furnace (N ₂ O & H ₂ atmosphere)	Fe fume, CO, CO ₂ , N ₂ H ₂ , heat, IR	Enclosed and exhausted Occ. exp.