

FILE NAME: Westinghouse Pennsylvania Archives (WHPA)

DATE: 0000

DOC#: WHPA001

DOCUMENT DESCRIPTION: Westinghouse PA Plant
Information Records

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF OCCUPATIONAL HEALTH

PLANT INFORMATION RECORD
Stock No. 5268.3

Signal and Communication Div.
PLANT Westinghouse Air Brake Co.

AREA CODE
PHONE NO. 412-242-5000

ADDRESS Braddock Ave.

EMPLOYEES:

(Pittsburgh) Formerly Union Switch & Signal Div.
Swissvale, Pa. 15218

M 1500

PRODUCT
OR SERVICE Railroad Signal & Detection Equipment

F 500

PERSON
INTERVIEWED Louis Kopsa, Pers. Mgr.

T 2000

PHYSICIAN T. J. O'Meara, M.D. (full time)

RECEIVED

DENTIST None

NURSE E. M. Brust, R.N. - full time

JUL 31 1970

PENNA. DEPT. OF HEALTH
INDUSTRIAL HYGIENE SECTION

RECEIVED

JAN 22 1970
PENNA. DEPT. OF HEALTH
INDUSTRIAL HYGIENE SECTION

SAFETY SUPERVISOR Louis Kopsa, Pers. Mgr.

INDUSTRIAL HYGIENIST None

INSURANCE CARRIER Self insured

LEGAL OWNER Corp. (WABCO, Gateway #3, Pittsburgh, Pa. 15222)

RECOMMENDATIONS 1. Obtain cyanide kit in Plating Bldg. and annealing area.

2. Obtain approval for recirculating of air at grinding operations in Relay Assembly Area & Printed Circuit Room in accordance with Art. 432, 6A.

3. Obtain U.S.B.M. resp. for protection against organic vapors in spray painting in Printed Circuit Room. (Ltr.: 1/5/70).

REMARKS Formerly Union Switch & Signal Div. Accompanied by James E. Hopkins, Facilities Engineer. Preplacement and periodic exams required. Periodic exams given to truck drivers, etc. will Survey plating area for CN & acids.

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WINS = 10.0

PA STATE ARCHIVES
TYPE OF VISIT Inspection DATE Sept. 25, 1969 BY M. Choby

PA HISTORICAL & MUSEUM CO. LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL

RECOMM

SURVEY

CONTROLLED HAZARDS

HAZARDS

OPERATION	HAZARD	CONTROL MEASURE
Machine & Repair Shop		
Punch	Steel, Brass, Al.,	Mostly steel
Bandsaw	plastic dusts	G.V.
Drill Press		Int. oper.
Milling, Planer, Lathe		
		1
Grinding	do.	do.
	Carborundum dust	
Cleaning metals	Naphtha vap.	do.
	above mentioned	Pers. hyg.
	metal dusts	
	Dermatitis	
Plating Dept. (see remarks)		
Cleaning metals	"Luster-ON-310"	Gen. Vent.
	Mist, steel, Al.,	Autom. dipping device
	Brass, bronze dusts	Int. exp., Pers. hyg.
	Dermatitis	Underground fan
Acid bath	15% H ₂ SO ₄ acid	do.
160°F	mist, heat	
	Dermatitis	
Base bath	6% NaOH soln. mist	do.
	Dermatitis	
Copper bath	CuCN and NaOH soln.	L.E.V.
140°F	mists, heat	Pers. hyg., gloves
	Dermatitis	(see rec. about cyanide kit)
Sn Bath	K Stannate (4%) soln.	do.
190°F	and KOH soln. mist	Underground fan
	heat, Dermatitis	
Anodizing Aluminum	15% H ₂ SO ₄ soln. and	Slot exhaust
	6% NaOH soln. mist, Derm.	Gloves, Pers. hyg.
Cd Bath	NaCN & NaOH soln. mists	G.V.
	Cd dust	Pers. hyg.
	Dermatitis	(see rec.)
Small Barrel Plating Room		
Ag Bath	NaCl soln.	Gen. Vent.
	AgNO ₃ soln. mist	Int. exp.
	Dermatitis	Pers. hyg. (see rec.)
Ni Bath	14% NiSO ₄ soln. mist	do.
	Dermatitis	

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PA 17120-0090
Museum Commission

File

REGION V

PROD. MFG. OR SERVICE
Railroad Signals

DATE OF ACTIVITY 5/29/70

FIELD ACTIVITY REPORT

PLANT

Westinghouse Air Brake Co., - Signal & Communication Div.

ADDRESS

Hraddock Ave. (Swissvale) Pittsburgh, Pa.

ZIP

15218

PHONE

412-242-5000

PERSON INTERVIEWED

Louis Kopsa

TITLE

Mgr. of Personnel

EMPLOYEES

MALE 1,500 FEMALE 500 TOTAL 2,000

IND. CODE

36

COUNTY

02

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT:

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN - - - VERBAL	YES	NO	IN PROG.
CN Vapor & Mist	29	1. CN kit.			X
Cu Dust	20	2. Air recirculation forms.		X	
Organic Vapor	1	3. Respirators.	X		

SAMPLES COLLECTED
(NO. & KIND)

TOTAL

DETERM. MADE
(NO. & KIND)

TOTAL

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD

YES ☒

NO ☐

FOLDER

YES ☒

NO ☐

Jal
7/2/70

REMARKS:

A follow-up visit was made to determine compliance with the recommendations made at the 9/9/69 inspection.

1. The cyanide kit recommended was not purchased at the time of this visit, however, the company assured me they would buy one.
2. The recommendation to obtain approval for recirculating air at the Relay Assembly Area, etc., NOT accomplished as yet.
3. The recommendation to obtain U. S. Bureau of Mines approved respirators for protection against organic vapors in spray painting in the Printed Circuit Room has been accomplished as the company has U.S.B.M. approved respirators (MSA Comfo).

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

BY M. Choby

RIH

1.5

WINS

Tanaka
fil *JK*

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

January 5, 1970

Signal and Communication Division
Westinghouse Air Brake Company
Braddock Avenue
Swissvale, Pennsylvania 15218

Attention: Mr. Louis Kopsa

An inspection of your plant was conducted by Mary Ann Ghoby,
Industrial Hygienist, on September 9 and November 25, 1969 to evaluate
health hazards to which workers may be exposed.

Based on this inspection, the following recommendations are made:

1. Obtain a kit for emergency treatment of acute cyanide poisoning containing amyl nitrite pearls. (The kit may be obtained commercially). Standing orders or directions concerning the use of this kit should be prepared by a physician. This is to be kept on hand in the Plating Building and Annealing Area.
2. Obtain approval for recirculating of air at grinding operations in the Relay Assembly Area and Printed Circuit Room, in accordance with Article 432, Section 6-A.
3. Obtain U. S. Bureau of Mines respirator for protection against organic vapors in spray painting in Printed Circuit Room.

The above recommendations should be accomplished within 15 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
Region V

NF/MC/ss
Enclosures

cc: Central Office (2) ✓
File
F/U

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380 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

Westinghouse Air Brake Co.,
Braddock Ave.
Swissvale, Pa. 15218

7c
9/25/69

(Formerly - Union Switch & Signal Div.
Westinghouse Air Brake Co. - Swissvale)

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Brass Bath	CuCN soln. and NaOH soln. mist Zn dust Dermatitis	do. (see rec. on cyanide kit)
Chrome Tanks	25% Chromic acid mist Dermatitis	G.V. Int. oper. Pers. hyg.
Cleaner 150°F	"Luster-On-310" Mist Heat Dermatitis	do.
<u>Large Barrel Area</u>		
Cleaning 208°F.	"Alkon-Dubois" Cleaner Alkali mist Dermatitis Heat	do.
H ₂ SO ₄ bath 250°F.	15% H ₂ SO ₄ Soln., Mist, heat Dermatitis	L.E.V. Pers. hyg. Gloves
HCl bath	50% HCl acid mist Derm.	do.
NaCN Bath	6% NaCN soln. derm.	do. (see rec.)
Sn, Cd, Ni & Cu plating baths are found approximately 5 times throughout building. LEV's on all heated acid or alkali baths.		
Spray Painting	"Epi-Res" Vap. MIK thinner Vap., Derm.	Int. oper. L.E.V. Per. hyg.
<u>Assembly Dept.</u>		
Assembly	Steel & Al. dusts	G.V.
Drill	do.	do.
Battery tow	H ₂ , acid mist Dermatitis	do. Pers. hyg.
Electric welding	Fe _x O _x , N _x O _x CO, CO ₂ , O ₂ gases Decomp. products from rods IR, UV, Int. vis. rad.	Goggles Int. vapor G. V.
Cleaning	Naphtha vap. Dermatitis	G.V. Int. op. Pers. hyg.

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PA Historical & Museum Commission

8/3/70

Page 3
Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
<u>Sand Blast Area</u>		
Sand blast	Sand dust Bronze, brass, steel dust	LEV to collector outside G.V.
Shot blast	Steel shot dust Bronze, brass, steel dusts	do.
<u>Forge Shop</u>		
Furnace 2500°F Gas	Fe ₂ O ₃ heat, O ₃ , CO, CO ₂ , N ₂ O _x , IR, UV & int. vis. rad.	Gen. Vent.
Forging	do., mechanical Noise, steam	Gen. Vent. Int. noise
<u>Car Retarder Shop</u>		
Boring, Drill press Milling, Radial drilling Lathing, Threading	NOH sol. oil mist (Sunoco Emulsifying Oil) and Sunny Cut 209 mist Steel dust Derm.	Gen. Vent. Pers. hyg. Int. oper.
Hand paint	MnO ₂ , Pb based paint and Xylol vap. Dermatitis	Int. oper. Pers. hyg. Gen. Vent.
Cleaning Metal	Oakite "Dynadet" mist Derm.	do.
<u>Steel Storage</u>		
Shearing Saws Storage	Steel dust do. do.	Gen. Vent. do. do.
<u>Heat Treat Dept.</u>		
Annealing (gas 1650°F) (electric 2000°F) (O ₂ Atmosp)	Fe ₂ O ₃ , N ₂ O _x O ₃ , CO ₂ , DO, CO ₂ gas IR, UV, & Int. vis. radiation, heat	Gen. Vent. L.E.V. Int. exp.

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150 North Street, Harrisburg, PA 17120-0090

Page 4
Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Surface hardeners	Fe _x O _x fumes Heat "Perleton Liquid Heat" "Perlite Co. dust (1/3 Cyanide)	Gen. Vent. Pers. Hyg. (see rec.)
Water quench	Steam	Gen. Vent. Int. oper.
Oil Quench	Quench oil Vap. Derm.	Derm.
Glucose quench	Houghton's Glucose Quench 251 soln.	Do.
<u>Main Machine Shop</u>		
Cleaning Metals	Brass, steel dust "Dura-Gard Soko" mist (Dubois Co.) Dermatitis	Gen. Vent. Gloves Pers. hyg.
Abrasive Cleaning	Above mentioned metal dusts Grit-Industrial No. 6 dust H ₂ O Mist	Gen. Vent.
Spray paint	Xylol vapor, brass dust ZnCrO ₂ and Pb primer vap. Naphtha vapor, Dubois xxx cleaner, #422 thinner vap. Dermatitis	U.S.B.M. App. resp. Water curtain booth L.E.V. hood, gloves Int. oper.
<u>300 Dept.</u>		
Drilling, Boring Radial drill, Milling	Brass, steel dusts, Sunny Cut 209 H ₂ O sol. oil mist Kutwell 50 HOH insol. oil vap., Derm.	Gen. Vent. Glasses, Int. exp. Pers. Hyg.
Grinding	Brass steel dusts Carborundum dust	L.E.V. to collector

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PA Historical & Museum Commission

Page 5

Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Autom. screw machines	Cu, brass, bronze Al dusts Sunnycut 209 HOH sol. oil mist Dermatitis	Semi-autom. Gen. Vent. Pers. hyg.
7 Grinding Wheels	Cu, brass, bronze Al dusts Steel wheel dust	L.E.V. to outside
Boring lathes	Above mentioned metals Insol. oil vap. (Quaker Cut 85) H ₂ O sol. oil mist (Sun Emulsifying) Cutting Oil Dermatitis	Gen. Vent. Pers. hyg. Glasses
Welding electric arc	Fe ₂ O ₃ , N ₂ O _x O ₃ , CO, CO ₂ gases IR, UV & int. vis. radiation Hobart LH-713 Rod decomp. prod.	Shields Gen. Vent. Helmets

2nd Floor - American Standard Control Dept.

Assembly & testing of parts	Cu bronze, brass, Al dusts Mechanical	Gen. Vent.
Brazing parts (nat. gas & O ₂)	Nat. gas & O ₂ gas "Handy-Harmon Easy Flow 45" vap. 45% Ag, 30% Cu, 25% etc. Cd fumes IR, UV & int. vis. rad. CO, CO ₂ , O ₃ , N _x O _x gases	4 G.V. fans Goggles
Soft brazing (iron)	"Alpha soldering wire" 60% Sn, 40% Pb fumes, heat "Kester Soldering Flux 815" (ZnCl ₂ & HCl acid) Kester Solder Co., Div. Litton Ind., Chicago, Ill., Dermatitis	3 hrs./day Gen. Vent. Glasses

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

Page 6
Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Cleaning parts	"Janitor in a Drum" Mist (Textize Co.) brass, bronze & aluminum dusts	Gen. Vent. Pers. hyg.

Automatic Leak Tester tests for Fe leakage in parts for air conditioner, etc.

Charging Room - temp. controlled at 80°F

Sealing ends of tubes 1250°F (electric pot)	60% Sn + 40% Pb fumes Borax and boric acid powder Flux dusts	L.E.V. over pots
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Cooling Parts	Dry ice CO ₂ gas Brass dusts Cold Dermatitis	G.V. Pers. hyg.
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Charging Expansion values	Freon gas alcohol vap. H ₂ O Mist	
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Shop

Grinding	Carborundum dust Brass, bronze dusts	Gen. Vent. Glasses
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Buffing	Brass, Bronze Steel wheel dusts	Gen. Vent. Glasses
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Boxing	Cardboard "200 Fluid" vap. (Dow Corning Co., Midland, Mich.) Dermatitis	Gen. Vent. Int. exp. Pers. hyg.
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Testing Tanks	H ₂ O, oil vap. Dermatitis	do.
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Brazing (O ₂ & Nat. gas) torch	30% Ag, 30% Cu 32% Zn fumes CO, CO ₂ , N ₂ O _x , O ₂ gases UV, IR & int. vis. rad. Heat	G.V. Goggles
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PA Historical & Museum Commission

Page 7
Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u> <u>Operator</u>	<u>Hazard</u>	<u>Control Measure</u>
<u>Wax Mixing Room</u>		
Mixing - 100-290°F electric	Cu dust Parafin vap., heat	
Making pellets	Mech. None apparent	None needed
<u>4th Floor Relay Assembly</u>		
Grinding	Cu dust Carborundum dust	Gen. Vent. Collectors (see rec.)
Coating wire with cotton	Cu dust Cotton dust Varnish vap. Dermatitis	Mechanical Gen. Vent. Int. Exp., Pers. hyg.
Dipping Armature into epoxy oven 158°F (electric)	Cu, Cotton dusts "Mold Release 225" vap. (Ram Chem. Gardena, Calif.) "Epi-Cure 858" Vap. Dermatitis	L.E.V. Gen. Vent. Int. exp. Pers. hyg.
Electrical Inspection area is primarily mechanical in nature.		
Grinding	Bakelite dust Carborundum dust	U.S.B.M. dust resp. L.E.V.
Solder pots 1250 (electric)	60% Sn, 40% Pb fumes Kester liquid flux mist (ZnCl ₂ , HCl) Heat	L.E.V. Gen. Vent.
Spray Painting	Thompson Lacquer & Egyptian Chem. Co. Lacquer Vap. Toluol, Xylol, Pet. distillate vap. Dermatitis	L.E.V. Int. oper. Pers. hyg.
Coating Coils & Relays	Epi-Res. 5085 Urethane acetone Hysol 4183 vap. & fiberglass & French Talc. dusts, Dermatitis	L.E.V. Int. oper. Pers. hyg.

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Page 8

Westinghouse Air Brake Co.
Braddock Ave.
Swissvale, Pa. 15218

<u>Operation</u>	<u>Hazard</u>	<u>Control Measure</u>
Baking Relays & coils 230°F Electric	do. Heat	do.

Relay Assembly - 2nd Building

Printed Circuit Room Section 210

Ag Soldering (O ₂ nat. gas)	60% Sn, 40% Pb fumes Kester liq. flux Mist Dermatitis CO, CO ₂ , O ₃ , N ₂ O _x IR, UV rad. & int. vis. radiation, heat	Goggles Gen. Vent. Int. exp.
Drilling holes in Plexiglass boards	Plexiglass & Cu dust	Gen. vent. Dust collector (see rec)
Cleaning	Darsol 650 vap. Dacar Chem. Prod. Co. Pittsburgh 20, Pa. Dermatitis	Gen. Vent. Per. hyg.
Spray painting	Hysol Epoxy paint vap. (Dexter Hysol Div. Dexter Corp. Olean, N.Y.) Dermatitis	Gen. Vent. L.E.V. Pers. hyg. Int. use (see rec.)

Basement

Electric Tow Repair	H ₂ gas Acid Mist Dermatitis	Gen. Vent. Pers. Hyg. Int. oper.
Punch Press	Brass, Cu, Al dusts Noise	Gen. Vent., Int. oper. Int. noise, below TLV level

5th Floor

Blueprint	NH ₃ gas NH ₄ OH Mist Dermatitis	Gen. Vent., Int. use Pers. hyg.
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Inspection - Sept. 25, 1969 - M. Choby
SS 1/16/70

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PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17120-0090

		REGION	COUNTY	UNITS	PLANT NAME - ALPHABETIC	
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH DIVISION OF INDUSTRIAL HYGIENE						
PLANT INFORMATION RECORD						
PLANT	Westinghouse Air Brake Co. - Air Brake Div.					
ADDRESS	and Industrial Products Division Wilmerding, Pa.					
PRODUCT OR SERVICE	Airbrakes, compressors, valves					
PERSON INTERVIEWED	Mr. J. F. Bender, Safety Director					
PHYSICIAN	T. J. O'Meara, M. D. - Med. Director <i>609 Wallace Ave. Rdg. 2A</i>					
DENTIST	None					
NURSE	<i>Chief Nurse</i> Miss Eliz. Shaver, R.N.; Miss Janet Muir, R.N.; Miss Betty Mirro, R.N. ✓ Ann Flannery, R.N.; Mrs. E.M. Bruck, R.N.					
SAFETY SUPERVISOR	J. F. Bender					
INDUSTRIAL HYGIENIST	None					
INSURANCE CARRIER	Self-insured Corporation					
LEGAL OWNER	Corporation					
RECOMMENDATIONS	None					
REMARKS	Employees 3300 - Excellent housekeeping and hazard controls					
Reproduction of an Original Record Please Credit PA STATE ARCHIVES 250 North Second Street, Harrisburg, PA 17102-0080 <i>Ju Fa Repair</i> <i>3/2/64</i>						
TYPE OF VISIT	Inspection					
DATE	March 27, 1963					
BY	A. M. Stang & <i>Mazzamuralli</i>					
LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE						
PERSONNEL	RECOMM.	SURVEY	CONTROL MEASURES	HAZARDS		
IIR	ACCOMPLISHED	TO BE MADE	GAS	GAS	DUST	OCEAN
IIA	PARTIAL ACCOMPLISHED	PREPARED	VAPOR	VAPOR	TEMPERATURE	
IB	MADE	MADE	MIST	MIST		
IC						
ID						
IE						
IF						
IG						
IH						
II						
III						

OPERATION	HAZARD	CONTROL MEASURE
Sand mold	Silica dust	General exhaust (roof)
Core mold	" "	" "
	Vegetable binder	" "
Melting (iron)	Iron oxide - heat	" "
Melting (brass)	Copper - zinc lead - heat	Exhaust with collectors
Pouring (iron)	Iron oxide heat	General roof exhaust
Pouring (brass)	Copper - zinc lead - heat	Hood & exhaust over ladle to overhead & roof exhaust
Shakeout) Sandblast)	Silica dust	Enclosed with exhaust & collectors
Sand conditioning	" "	Inclosed system General vent
Grinding	" "	Local exhaust
	Steel dust Brass "	
Shell mold	Heat - HCHO phenol	Hood & exhaust
Machining	Oil mist Dermatitis	Protective clothing Personal hygiene General ventilation
Blow off	Dust - oil & alkali mist	Hood & exhaust
Spray paint	Chrome pigment Xylol Soilax (denatured alcohol)	Water curtain hood & exhaust
Steam wash	Alkali detergent Pennsalt 32	Automatic enclosed hood & exhaust
Heat treat & case harden	Liquid heat 1145 - Periton (E. J. Houghton Co. Philadelphia, Pa.)	Hooded and exhaust
Reproduction of an Original Record		
Oil quench Credit	Oil fume	General ventilation Local exhaust & hood
PA STATE ARCHIVES		
350 Welding - arc & acetylene	Ultraviolet Infra red	Shielding - veneral vent. - local exhaust in some
Manual & automatic submerged	Ozone - NO ₂ - fluoride rods-#7 & #17 Lincoln #387 Airco granule 60-780 Lincoln	areas - all not continuous

REGION IVDEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EMPLOYEES

PROD. MFG. OR SERVICE

MALE

Air Brake Equipment

FIELD ACTIVITY REPORT

FEMALE

DATE 1-27-65TOTAL 3,500

PLANT

ADDRESS

W Westinghouse Air Brake Company, Air Brake Div. Wilmerding, Pa.PERSON INTERVIEWED R. G. KaskinTITLE Safety SupervisorPURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN — VERBAL	ACCOMPLISHED		
			YES	NO	IN PROG.
Fluoride flux					

SAMPLES COLLECTED 6 - Urine

(NO. & KIND)

TOTAL

DETERM. MADE
(NO. & KIND)

TOTAL

MEDICAL

O.D. REPORTED, NO. & KIND

REMARKS Visit to obtain urine for Fluoride Hazard Study in conjunction with O.D. investigation.

PUNCH CARD

☒ YES☐ NO

FOLDER

☒ YES☐ NOBY D. L. Bottomley, D.O.
Physician II DBREGION IVDEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EMPLOYEES

PROD. MFG. OR SERVICE

MALE

Air Brakes

FIELD ACTIVITY REPORT

FEMALE

DATE 1-27-65TOTAL 3,500

PLANT

ADDRESS

W Westinghouse Air Brake Company
Air Brake DivisionWilmerding, Penna.

G. H. Ameler; T. J. O'Meara, M.D.

Adm. of Insurance & Pensions; Med. Dir.

PERSON INTERVIEWED R. Kaskin; E. GwynarTITLE Safety Sup.; ClaimantPURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN — VERBAL	ACCOMPLISHED		
			YES	NO	IN PROG.
Skin maceration		Compliance with the Dermatologist's recommendations as well as using protective hand creams.			

SAMPLES COLLECTED

(NO. & KIND)

TOTAL

DETERM. MADE
(NO. & KIND)

TOTAL

MEDICAL

O.D. REPORTED, NO. & KIND

REMARKS

PUNCH CARD

☒ YES☐ NO

FOLDER

☒ YES☐ NOBY D. L. Bottomley, D.O.
Physician II DB

OPERATION	HAZARD	CONTROL MEASURE
Coating	Chemglaze Z-305 Hughson Chemical Co. Erie, Pa.	General ventilation
Pickling	H ₂ SO ₄ & Alkali mist	General ventilation Not continuous
Hand paint Dip "	Carbon pigment Xylol	General ventilation
Cleaning	Trichlorethylene	Local exhaust on tank
Drying (oven)	Heat CO	Enclosed Vented
Plating	Sodium cyanide Cadmium " Chromic acid	Enclosed hood & exhaust
Rubber mix & weigh	Carbon black - oil - graphite - clay asbestine - zinc oxide - MGO plasticizers phthalates accelerators oxidants - hexamines - sulphur sodium acetate " carbonate	Mixer hooded for dumping enclosed when in operation - hood is exhausted weighing scales hooded & exhausted
Calendering Milling	Possible release of some of above	General ventilation Wall exhaust
Cutting) Slitting)	None	Mechanical
Vulcanize	Heat - possible release of above ingredients	Push - pull wall exhaust
Pattern & Wood Box Shop	Wood dust	Local exhaust

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
BUREAU OF INDUSTRIAL HYGIENE

Table 1

Dust Concentrations

Westinghouse Airbrake Company
Wilmerding, Pennsylvania

Location	Process	Millions of particles per cubic foot of air	Remarks
Dept. A Bay 8	Drilling brake cylinders	8.8	3-way drill press, Natco horizontal
		4.0	
		6.4	
Dept. A Bay 12	Facing center heads	4.0	Bullard machine
		2.4	
		9.4	
Dept. A Bay 13	Facing pressure heads	2.4	
		1.6	
		4.0	
Dept. A On line of Bay 12 & 13	Cylinder boring	4.0	Horizontal bore
		3.2	
		7.2	
Dept. D C Bay 8	Machining pressure valve caps	6.4	New Britain machine No. 22889
		9.6	
		8.0	

November 15, 1946

Distribution-

- 1 copy - Bureau Director
- 2 copies - plant
- 1 copy - Pittsburgh office
- 2 copies - file

Survey by-

- A. M. Stang
Dist. Industrial Hygiene Engineer
- J. S. Sharrah
Jr. Industrial Hygiene Engineer

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350 North Street, Harrisburg, PA 17126-0090
PA Historical & Museum Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
BUREAU OF INDUSTRIAL HYGIENE

REPORT OF INVESTIGATION OF DUST HAZARD

Westinghouse Air Brake Company
Wilmerding, Pennsylvania

In response to a joint request received from Mr. D. L. McCully, Safety Director of the Westinghouse Air Brake Company, and the Pittsburgh Office of the Pennsylvania Department of Labor and Industry members of the personnel of the Bureau of Industrial Hygiene made a survey of the dust conditions surrounding a particular operation in the Wilmerding plant of the Westinghouse Air Brake Company on November 15, 1943.

This operation consists of finishing a small cast iron part in a lathe. The parts are cleaned before the operation takes place. The lathe operates automatically for the most part, since all that is required of the operator is to change the pieces in the chuck. Consequently, the operator is bent over the cutting area only a part of the time and then only to change the piece. During the actual cutting operation he is standing back from the machine.

Air samples were taken in the breathing area of the operator, the impinger being held and moved as the operator moved.

Samples for dust counting were taken with the Greenberg-Smith impinger using 95 per cent alcohol as the collecting medium. Dust counts were made employing the light field technique. Particle size measurements were not made as the particles were assumed to be of respirable size. This assumption is believed to be reasonable since the dust in the sampling area was air borne, the larger particles having settled out before it reached this area. No chemical or petrographic analysis of the air borne dust was deemed necessary since it is believed to be practically all iron or iron oxide.

Three samples were taken at this operation and averaged 12.5 million particles per cubic foot of air as indicated by Table 1. With consideration being made for the type of dust involved, it is felt that these counts are not excessive, and no recommendations for improvements are indicated at present.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
BUREAU OF INDUSTRIAL HYGIENE

Table 1

DETERMINATION OF DUST CONCENTRATIONS
DEPARTMENT C, CAST IRON CUT ON LATHE

Westinghouse Airbrake Company
Wilmerding, Pennsylvania

Sample number	Vol. air sampled (cu.ft.)	Millions of particles per cu. ft. of air	
		Sample count	Average
1	10	19.2	
2	10	11.2	12.5
3	11	7.3	

November 18, 1943

EW

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350 N. 3rd Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

REGION										COUNTY										PLANT NAME - ALPHABETIC										UNITS																			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH DIVISION OF OCCUPATIONAL HEALTH																																								PLANT INFORMATION RECORD Stock No. 5268.3									
PLANT <u>Westinghouse Electric Corp.</u>																				AREA CODE PHONE NO. <u>256-6348</u>																													
ADDRESS <u>Atomic Power Division - P.O. 355</u>																				EMPLOYEES:																													
<u>Pittsburgh 15230</u>																				M 380																													
PRODUCT OR SERVICE <u>Research & Development</u>																				F 20																													
PERSON INTERVIEWED <u>A. T. Sabo,</u>																				T 400																													
PHYSICIAN <u>R. Gates, M.D.</u>																																																	
<u>2418 Marking Rd</u>																																																	
DENTIST <u>None</u>																																																	
NURSE <u>M. Downey, R.N.</u>																																																	
SAFETY SUPERVISOR <u>George Barnard, Safety Engineer</u>																																																	
INDUSTRIAL HYGIENIST <u>A. T. Sabo</u>																																																	
INSURANCE CARRIER <u>Self-Insured</u>																																																	
LEGAL OWNER <u>Westinghouse Electric Corp.</u>																																																	
RECOMMENDATIONS <u>Execute confined space entry form. Letter & forms sent 10-18-68.</u>																																																	
REMARKS <u>This is a research facility engaged in developing and testing components for reactors. The building is old and some of the activities may be transferred. Mostly research on materials and equipment for reactors.</u>																																																	
TYPE OF VISIT <u>Inspection</u>																				DATE <u>10-17-68</u> BY <u>H. L. Williams</u>																													
LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE																																																	
PERSONNEL										RECOMM										SURVEY										CONTROLLED HAZARDS										HAZARDS									
I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII									

OPERATION	HAZARD	CONTROL MEASURE
Pressure Loop Dept.	explosions mechanical heat	Meet State Code Boiler require- ment. All activities in this Dept. must be approved by Standard Energy Committee <i>Insulation</i>
Auto Clave Dept.	explosion heat-steam	Same as above
Material Testing Laboratory many specialized machines & equipment for testing Tensile strength & melting metals. All sections of plant have many specialized electric instruments	gas cylinders O ₂ , N ₂ , Co ₂ all normal metals except beryllium acetone-methyl alcohol heat	exhaust ventilation insulation
Plasma torch	noise <i>gases</i> metal fumes aluminum rods	isolation - insulation
Inert gases	cylinders of argon glove boxes	exhaust ventilation
Metallurgical Laboratory	isotopes solvents - acetone methyl alcohol epoxys	approved by site radioactive committees full radiation protection posters - film badges isolation, shields exhaust ventilation
Dark Room	all normal chemical reagents Electron microscope	exhaust ventilation full radiation protection
Radio-Chemistry Lab	radioactive material mostly - water normal chemical reagents - solvents as acetone	hood - exhaust ventilation full radiation protection as above
Work Laboratories soldering	HCl - heat, acetone methyl alcohol lead, cadmium	hoods, local exhaust venti- lation
Machine Shop lathes - drills presses, etc.	mechanical, heat noise	normal guards insulation, etc.
Welding Shop	solvents as acetone naphtha, heat ultra violet, infra red hydrogen chloride fluorides	booths, exhaust ventilation isolation, insulation protective clothing masks, gloves, aprons, etc.

file
Westinghouse Electric Corp.
Atomic Power Division
P. O. Box 355
Pittsburgh

-2-

10/17/68

Stress Analysis Dept.
specialized testing machines
& equipment

mechanical
heat

guards, insulation

wood shop

sawdust
paints
varnish

booths - local exhaust venti-
lation

X-ray room

x-rays
radiation

shielding - full radiation
protection
badges, etc.

Tool pit or assembly pit
no chemicals -
tools for reactors

limited space
access
mechanical

forced air - buddy system
harness, ropes or life line

Plant inspected by A.E.C.

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PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17101
PA 111-1111

1106 Wood St

Pittsburgh 21, Pa.

Feb. 15, 1952.

I Hope Alexander
Public Health Director

Dear Sirs:

I work for the Westinghouse Plant in East Pittsburgh. Section 2X-10.

There is so much draft here, that we get chilled, and as a result we catch cold and suffer immensely to such a point that it affects our sinus. All the complaints and grumbling that we make does no good.

This place is very, very dirty. In fact the air we breath is full of dust. That it affects our nose and throat.

We get 1/2 hr. for lunch which makes it necessary for us to eat our lunch indoors. We don't have a lunch room, so we have to eat our lunch at our dirty machines.

I have read your article in the Pittsburgh Press about your drive to improve health of workers in plants and am bringing this before you in the hope that you will see that this department will improve their health hazards.

I almost forgot to mention that an air hose is attached to each drill press. This alone is very bad as the dust is blown into the air.

I suggest a vacuum hose instead. So the drillings would pass into the hose.

When your inspector will get in touch with me on visiting my section I will gladly point out the evils in my section.

Hitting home manufactures precipitrons. Why not put them to effect in their own shops first?

The dust collectors that we have are worthless. I also suggest that we have dust collectors that will pick up all the drillings from machines.

Please I beg of you, will you please ^{be} so kind as to give this your careful attention?

Hoping to hear from you and to be of service to you.

Sincerely yours
Dora Blaufeld

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 **412-774-5000**

ADDRESS **Tuscarawan Rd.
Beaver, Pa. 15009** EMPLOYEES **1,600**

PRODUCT OR SERVICE **Electrical Control Apparatus** **1,400**

PERSON INTERVIEWED **William Kirsch, Supervisor of Safety & Training** **3,000**

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

ADDRESS **450 Dutch Ridge Rd.
Beaver, Pa. 15009**

NURSE **Neva Wallace, R.N.; Ann Wilson, R.N.; Lillian Phillips, R.N.**

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

Inspection **1/27/70** BY **N. Ray Brown & Tom Albert**
DATE **3/26/70**

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL	RECOMM.	SURVEY	CONTROLLED HAZARDS	HAZARDS
IA	ACCOMPLISHED	TO BE MADE	MISC.	HAZARDS
IB	PREV. MADE	MADE	VAPOR	HAZARDS
IC	MADE	MADE	MIST	HAZARDS
ID	MADE	MADE	GAS	HAZARDS
IE	MADE	MADE	FUMES	HAZARDS
IF	MADE	MADE	HAZARDS	HAZARDS
IG	MADE	MADE	HAZARDS	HAZARDS
IH	MADE	MADE	HAZARDS	HAZARDS
II	MADE	MADE	HAZARDS	HAZARDS
IIA	MADE	MADE	HAZARDS	HAZARDS
IIB	MADE	MADE	HAZARDS	HAZARDS
IIC	MADE	MADE	HAZARDS	HAZARDS
IID	MADE	MADE	HAZARDS	HAZARDS
IIIE	MADE	MADE	HAZARDS	HAZARDS
IIIF	MADE	MADE	HAZARDS	HAZARDS
IIIG	MADE	MADE	HAZARDS	HAZARDS
IIIH	MADE	MADE	HAZARDS	HAZARDS
IIII	MADE	MADE	HAZARDS	HAZARDS
IIIIA	MADE	MADE	HAZARDS	HAZARDS
IIIIIB	MADE	MADE	HAZARDS	HAZARDS
IIIIIC	MADE	MADE	HAZARDS	HAZARDS
IIIIID	MADE	MADE	HAZARDS	HAZARDS
IIIIIE	MADE	MADE	HAZARDS	HAZARDS
IIIIIF	MADE	MADE	HAZARDS	HAZARDS
IIIIIG	MADE	MADE	HAZARDS	HAZARDS
IIIIIH	MADE	MADE	HAZARDS	HAZARDS
IIIIII	MADE	MADE	HAZARDS	HAZARDS
IIIIIIA	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIB	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIC	MADE	MADE	HAZARDS	HAZARDS
IIIIIIID	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIE	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIF	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIG	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIH	MADE	MADE	HAZARDS	HAZARDS
IIIIIIII	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIA	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIB	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIC	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIID	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIE	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIF	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIG	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIIH	MADE	MADE	HAZARDS	HAZARDS
IIIIIIIIII	MADE	MADE	HAZARDS	HAZARDS

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
<u>Plating Area</u>		
<u>Plating Line #1</u>		
H ₂ O Rinse	Dampness	Protect. clothing
Silver Immersion	Silver Cyanide & Sodium Cyanide Mists & Vapors, HCN Gas, Derm.	G.A.D., protect. clothing, per. hyg.
<i>Emergency C-1 treatment kit ???</i>		
Acid Dipping	HNO ₃ & H ₂ SO ₄ Mists & Vapors, H ₂ O Gas, Derm. * *	L.E.V. to the outside, per. hyg.
H ₂ O Dipping	Dampness	Protect. clothing
Copper Cleaner	Mists & Vapors "F815" (Dart International) Derm.	L.E.V. to the outside, protect. clothing, per. hyg.

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

January 29, 1970

Westinghouse Electric Corporation
Distribution & Control Equipment Divisions
Tuscauawas 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:

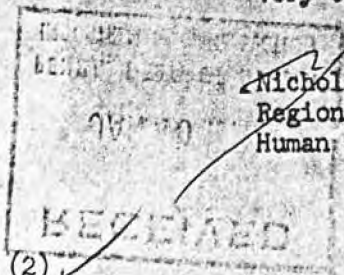
Discontinue the recirculation of air at the Brazing Operation in the C1 Area and exhaust ventilate the operation to the outside.

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



NF/NRB/jal

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

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continued - Page 2

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

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11/21/70

OPERATION	HAZARD	CONTROL MEASURE
<u>Plating Line #2</u>		
Dip Cleaning	NaOH Mist & Vapor, Derm.	L.E.V. to the outside, per. hyg.
H ₂ O Rinse	Dampness	Protect. clothing
Acid Dipping	HNO ₃ Mist & Vapor, N ₂ O ₃ Gas, Derm.	L.E.V. to the outside, per. hyg.
H ₂ O Rinsing	Dampness	Protect. clothing
Zinc Immersion Dip	NaOH & ZnO Mists & Vapors, Derm.	G.A.D., per. hyg.
H ₂ O Rinsing - 2	Dampness	Protect. clothing
Copper Plating - 2	CuCN & NaCN Mists & Vapors, HCN Gas, Derm.	G.A.D., per. hyg.
H ₂ O 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.

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9/30/70

continued - Page 3

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

OPERATION	HAZARD	CONTROL MEASURE
H ₂ O Rinse	Dampness	Protect. clothing
Hot H ₂ O Rinse	do. + Steam	L.E.V. to the outside
<u>Plating Line #3</u>		
Dip Cleaning	NaOH Mist & Vapor, Derm.	do. + per. hyg.
H ₂ O Dipping	Dampness	Protect. clothing
Acid Dipping	H ₂ SO ₄ Mist & Vapor, Derm.	L.E.V. to the outside, per. hyg.
H ₂ O Rinsing	Dampness	Protect. clothing
Copper Dipping	Copper Sulfate & Sodium Chloride Mists & Vapors, Derm.	G.A.D., per. hyg.
H ₂ O Rinsing	Dampness	Protect. clothing
Impact Zinc Plating	Zinc Dust	G.A.D., done in wet solution

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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 ₂ O _x Gases, I.R. & U.V. 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 ₂ O _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 ₂ O Vapor	Protect. clothing
Nickel Plating	Nickel Sulfate & Nickel Chloride Mists & Vapors, Derm.	G.A.D., per. hyg.

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continued - Page 5

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. <i>bet. ? yes</i>
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

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PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17104-6090
PA Historical & Museum Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH

PART 1 PAGE 1

OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN)

1. ESTABLISHMENT—NAME, ADDRESS, ZIP CODE WESTINGHOUSE ELECTRIC CORP. (INDUSTRIAL PLASTICS DIV.) BEDFORD, Penno. 15522	2. PERSON INTERVIEWED—NAME, TITLE, TEL. NO. MR. CHARLES G. KEPPLER WORKS Eng. Supervisor Tele #814-623-9014
SAFETY SUPERVISOR: MR. Charles Kepple	
LEGAL OWNER—NAME, ADDRESS. CORP. (Westinghouse Corp. Pittsburgh, Pa)	

3. CARD CODE	1	2-3	4-5	6-7	8-9	10-15
4. DATE	09	09	71	5. STATE CODE	42	6. COMPANY NUMBER
						16
7. (1) ORIGINAL INSPECTION - STATE & NSN						2
(2) Original Inspection - NSN						
(3) Reinspection - NSN						
8. What is your Chief Product or Service? Industrial Tape Mfg + Processing						17-20
						SIC
						2641
9. SIZE CODE? (Based on Total Number of Employees)						21
(1) 1-3 (3) 8-19 (5) 50-99 (7) 250-499 (9) 1,000 +						5
(2) 4-7 (4) 20-49 (6) 100-249 (8) 500-999						
10. HOW MANY SHIFTS DO YOU HAVE? Three						22-26
						00060
11. HOW MANY PEOPLE ARE ON THIS PLANT'S PAYROLL AT THE PRESENT TIME?						27-31
						00043
12. OF THIS NUMBER, HOW MANY ARE NORMALLY IN THE WORK AREA AS OPPOSED TO THE OFFICE OR OUTSIDE AREA?						32-33
						99
13. OF THOSE IN THE WORK AREA WHAT APPROXIMATE PERCENTAGE IS MALE?						34
						2
14. DOES THIS PLANT DO FEDERAL CONTRACT WORK?						35
(1) Yes, Prime Contractor, (3) No, (2) Yes, Subcontractor, (4) Don't Know.						2
15. A. DOES YOUR COMPANY EMPLOY AN INDUSTRIAL HYGIENIST? (1) Yes, at this Plant, (2) Yes, at Corporate Hq., (3) Yes, Consultant, (4) No.						36-37
His Name, Address Mr. Speicher, Westinghouse Electric Corp and Telephone Number 814-256-700 Pittsburgh, Pa						01
B. ESTIMATE THE AVERAGE NUMBER OF INDUSTRIAL HYGIENE MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						38
						4
16. A. DO YOU HAVE AN AGREEMENT WITH A PHYSICIAN TO GIVE YOUR EMPLOYEES EMERGENCY OR OTHER MEDICAL CARE? (1) Yes, Full Time, (2) Yes, Part Time (3) Yes, On Call. No.						39-40
His Name, Address and Zip Code:						00
B. ESTIMATE THE AVERAGE NUMBER OF PHYSICIAN MAN-HOURS THAT ARE DEVOTED TO YOUR PLANT PER WEEK.						41
						4
17. A. DO YOU HAVE A REGISTERED NURSE IN YOUR FACILITY AT A REGULAR TIME? (1) Yes, R.N., (3) Yes Both, (2) Yes, L.P.N., (4) No.						42-44
						000
B. ESTIMATE THE AVERAGE NUMBER OF NURSING MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						

CENTRAL OFFICE COPY

18. A. DO YOU HAVE AN EMPLOYEE RESPONSIBLE FOR GIVING FIRST-AID WHEN NO DOCTOR OR NURSE IS PRESENT?

(1) Yes, ☒ (2) No, ☒ (3) Not Applicable

B. DOES HE HAVE ANY FORMAL FIRST-AID TRAINING?

(1) Yes, Red Cross (3) Yes, Other (5) Don't Know
(2) Yes, Armed Serv. Medic (4) No ☒ Not Applicable

19. A. WHEN YOU HIRE A NEW EMPLOYEE, DO YOU RECORD INFORMATION FROM HIM, ABOUT HIS HEALTH, ON SOME REGULAR FORM?

☒ (1) Yes, All Employees, (2) Yes, Some Employees, (3) No.

B. BEFORE YOU HIRE A NEW EMPLOYEE, DO YOU REQUIRE HIM TO TAKE A MEDICAL EXAMINATION?

☒ (1) Yes, All Employees, (2) Yes, Some Employees, (3) No.

20. A. DO YOU PROVIDE PERIODIC MEDICAL EXAMINATIONS FOR YOUR EMPLOYEES IN HAZARDOUS JOBS?

(1) Yes, Adequate, (2) Yes, Inadequate, ☒ (3) No, ☒ Not Applicable

B. DO YOU PROVIDE PERIODIC AUDIOMETRIC EXAMINATIONS FOR YOUR EMPLOYEES THAT ARE EXPOSED TO NOISE?

(1) Yes, Adequate (2) Yes, Inadequate, ☒ (3) No, ☒ Not Applicable

C. DO YOU PROVIDE PERIODIC BLOOD AND URINE EXAMINATIONS FOR YOUR EMPLOYEES WHERE APPROPRIATE?

(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, ☒ Not Applicable

D. DO YOU PROVIDE PERIODIC PHYSIOLOGICAL FUNCTION TESTS (Excluding Audiograms) WHERE APPROPRIATE?

(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, ☒ Not Applicable

E. DO YOU PROVIDE PERIODIC CHEST X-RAYS WHERE APPROPRIATE?

(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, ☒ Not Applicable

21. DO YOU HAVE AN IMMUNIZATION PROGRAM?

(1) Yes, ☒ (2) No.

22. ARE YOUR EMPLOYEE ABSENTEEISM RECORDS

A. (1) Not Kept, (2) Kept, without Showing Nature of Absence, ☒ (3) Kept, Showing Nature of Absence, (4) Kept, Showing Nature of Sickness

B. WHAT IS YOUR AVERAGE ABSENTEE RATE? (Days/Year/Employee)
(Don't Know Coded as 99)

23. DOES YOUR COMPANY HAVE A FORMAL SAFETY PROGRAM?

☒ (1) Yes, (2) No.

24. IS YOUR WORKMEN'S COMPENSATION INSURANCE CARRIED WITH AN INSURANCE COMPANY OR ARE YOU SELF INSURED? (1) Insurance Company (Name)

☒ (2) Self Insured, (3) State Insurance Fund, (4) None.

25. IN YOUR ESTABLISHMENT, DO YOU FEEL THAT THERE ARE ANY HEALTH HAZARDS, EVEN IF YOU HAVE THEM UNDER CONTROL? (1) Yes, ☒ (2) No.

WHAT KINDS

OF HAZARDS?

26. HAVE YOU HAD ANY OCCUPATIONAL DISEASE IN YOUR PLANT IN THE LAST YEAR?

(1) Yes, Dermatitis (3) Yes, Combination (5) Don't Know.
(2) Yes, Other ☒ No

27. HOW MANY YEARS HAS THIS TYPE OF WORK BEEN CONDUCTED IN THESE FACILITIES?

(1) 0-5 (3) 11-20 (5) 31-50
☒ (2) 6-10 (4) 21-30 (6) Greater Than or Equal to 51

28. HOW MANY HOURS DOES IT TAKE TO INSPECT THIS PLANT?

29. HOW OFTEN (In Years) SHOULD THIS PLANT BE ROUTINELY INSPECTED?

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PA Historical & Museum Commission

CENTRAL OFFICE COPY

45

2

46

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47

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48

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52

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54

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3

56 - 57

99

58

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59

2

60

2

61

4

62

1

63 - 64

04

65

1

400-341

30. THIS PLANT HAS A HEALTH CONDITION(S) WHICH WARRANTS INVESTIGATION:
 (1) Immediately (2) Within One Year. (3) Not Warranted (see remarks)

66
2

31. NUMBER OF CONTROL RECOMMENDATIONS MADE AS A RESULT OF THIS INSPECTION:

67-68
00

32. (1) Self Initiated, (2) B.O.S.H. Request, (3) Complaint

69
1

33. A. AIR RECIRCULATION:

(1) Yes, Complete Approval
 (2) Yes, Conditional Approval

(3) Yes, No Approval
 (4) No (see remarks)

70
1

B. ARTICLE 434:

(1) Yes, Complete Approval
 (2) Yes, Conditional Approval

(3) Yes, No Approval
 (4) No

71
4

C. ARTICLE 436:

(1) Yes, Registered
 (2) Yes, Partially Registered

(3) Yes, Not Registered
 (4) No

72
4

D. CONFINED SPACE ENTRY:

(1) Yes, Complete Approval
 (2) Yes, Partial Approval

(3) Yes, No Approval
 (4) No

73
4

E. REGION CODE:

74-76
405

34. TOTAL AT RISK: (From Part II)

77-80
0040

REMARKS:

- #30 - Plan to do a noise survey within year at treaters area, and CO for fork lifts.
- #33 - Had submitted air rec forms for mica dust + approval given for units at sutter machine.
- Had asbestos paper coating but very sporadic, special order only.
- No confined space / tank entry noted.
- Many of the operations are electronic, automatic operated, solvents are in pipes + no small tanks. Has pre-place physicals. Plant plans to increase employment in near future.
- Mr. Martin Chlystek is plant manager.
- at miper operation 1,1,2, + 1,1,1, Trichloroethane used very seldom.

INSPECTED BY:

Andrew J. Majer (0-026)

W.I.N.'s

2.0

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 1 OF 61
CARD CODE 28-9
STATE CODE 4210-15
COMPANY NUMBER 400341

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/I OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-73	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
<i>Trestlers</i>	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u>021</u>	(TOTAL)	<u> </u> <u> </u> <u> </u>	<u>015</u>	<u> </u> <u> </u> <u> </u>	<u>006</u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	noise (cont.)	<u>8110</u>	<u>015</u>	<u> </u> <u> </u> <u> </u>	<u>006</u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	noise (int.)	<u>8120</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Resins	<u>2200</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Heat stress - dry	<u>8320</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	mica dust	<u>9075</u>	<u>010</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Asbestos dust	<u>9020</u>	<u>010</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	ethyl alcohol	<u>1060</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Toluene	<u>2460</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	varnish	<u>5390</u>	<u>005</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	paper dust	<u>9100</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	CO	<u>0560</u>	<u>021</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Aztec-t-butyl perbenzoate	<u>5999</u>	<u>010</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Peroxide Organic liquid	<u>5999</u>	<u>010</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>
	<u>99</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>	Bakelite vinyl	<u>5999</u>	<u>010</u>	<u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u>

TOTAL THIS

PAGE: 211 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

CONTINUED NEXT PAGE



CENTRAL OFFICE COPY

OCCUPATIONAL HEALTH

EMPLOYEES		STATE CODE		COMPANY NUMBER							
CARD CODE		8-9		10-15							
2		4 2		400 341							
OCCUPATION		TOT. EST. W/I OCC. (P.O.)*		TOT. EST. AT RISK		EXPOSURES					
DESCRIPTION	CODE 16-17	18-20	21-23	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36			
Treaters (cont'd)	99					Coregon-2-Monomer	5999	010			
	99					Xylene	2590	021			
Fork Lift Oper	06	003	003	(TOTAL).							003
	06					noise (dnt)	8120	003			
	06					CO	0560				003
	06					Ex. of Gas Comb	1260	003			
	06					wood dust	9210	003			
	06					paper dust	9100	003			
	06					H ₂ SO ₄ mist	2310	003			

TOTAL THIS

PAGE:

3

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

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CONTINUED NEXT PAGE



CENTRAL OFFICE COPY

CARD CODE 2 STATE CODE 4 2 COMPANY NUMBER 10-15 1 4 1

EMPLOYEES		HAZARD		HAZARD CODE	
OCCUPATION	CODE	TOT. EST. W/I OCC. AT RISK (P.O.) ^a	DESCRIPTION	HAZARD CODE	EXPOSURES
18-20	16-17	21-23		24-27	28-30
A	M	I			

Antipora

[illegible]

TOTAL THIS

PAGE:

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

TOTAL AT RISK-

37-40

CENTRAL OFFICE COPY

CONTINUED NEXT PAGE



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 4 OF 6CARD CODE 2STATE CODE 42COMPANY NUMBER 400391

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/1 OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 15-17	18-20	21-23					
Maint Repair - other	68		002	(TOTAL)		002		
	68			noise (cont)	8120	002		
	68			Al ₂ O ₃	0160	002		
	68			Welding gases	5380	002		
	68			CO	0560	002		
	68			Ex. of Gas Comb	1260	002		
	68			Heat stress - dry	8320	002		
	68			ion & comp	1520	002		
	68			man + comp	1610	002		
	68			fluorides	1280	002		
	68			I.R.	8380	002		
	68			U.V.	8370	002		
	68			pet. Naphtha	2037	002		
	68			stoddard	2270	802		
	68			oil	5009	002		

TOTAL THIS
PAGE: 21 - COMPLETE SURVEY
2 - PARTIAL SURVEY41
1TOTAL AT RISK 37-40

CONTINUED NEXT PAGE



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 5 OF 6

EMPLOYEES		EXPOSURES						
DESCRIPTION	CODE 16-17	TOT. EST. W/OCC. (P.O.) 18-20	TOT. EST. AT RISK 21-23	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
Maint/Repair (cont)	68			Grease	5015	002		
	68			wood dust	9210	002		
	68			paper dust	9100	002		
	68			plastic dust	9180	002		
Shipper/Rec	57		002	(TOTAL)		002		
	57			noise (int)	8120	002		
	57			CO	0560	002		
	57			Exp. of Gen. Exp.	1260	002		
	57			wood dust	9210	002		
	57			paper dust	9100	002		
	57			blue	5348	002		
	57			ink	5029	002		
TOTAL THIS PAGE: <u>2</u>		TOTAL AT RISK <u>37-40</u>		CONTINUED NEXT PAGE ☒				

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY41
1

CENTRAL OFFICE COPY

CARD CODE 2

STATE CODE 42

COMPANY NUMBER 400341

EMPLOYEES:

EXPOSURES:

OCCUPATION	CODE 16-17	TOT. EST. W/I OCC. (P.O.)		HAZARD	HAZARD CODE 24-27	A M I			
		18-20	21-23			28-30	31-33	34-36	
Slitters	99		010	(TOTAL)		010			
	99			noise (dust)	8120	010			
	99			paper dust	9100	010			
	99			lath dust	9030	010			
	99			nickel dust	9075	005			
	99			calcium	9020	002			
	99			paraffin dyes	2000	002			
	99			heat-treated dry	8320	010			
	99			silica dust	9010	010			
	99			Toluene vap	2460	010			

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350 North Street, Harrisburg, PA 17120-0090

TOTAL THIS
PAGE: 10
1 - COMPLETE SURVEY 41
2 - PARTIAL SURVEY 1

TOTAL AT RISK 3740
0040

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CONTINUED NEXT PAGE ☐

Rich

224 East Fourth Street
Williamsport, Penna.
April 30, 1970

Westinghouse Electric Corp.,
Bedford, Pennsylvania 15522

ATTENTION: Mr. Vince J. Eichenlaub
Works' Engineering Supervisor

Gentlemen:

On April 10, 1970, a routine inspection was conducted in your plant. At that time the matter of air recirculation from a ventilation system in the cutting area was discussed with you and a sample of the mica collected by the system was taken for analysis. Results have not yet been received from the laboratory. In the meantime the following recommendation is made:

Submit an original and two copies of the enclosed forms for the ventilation system mentioned above.

Enclosed is a copy of Article 432, as amended.

If you have any questions, please let me know.

Sincerely yours,

RB

Russell Bobkoskie
Regional Industrial Hygienist
Region IV - Williamsport

RB/b
Enclosure



Regional Industrial Hygienist Report
Region IV - Williamsport
PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0080
PA Historical & Museum Commission

SAMPLE AND LABORATORY REPORT

Bedford

OTHER SUBSTANCES PRESENT

Mica

COMMENTS

REPORT OF ANALYSIS

350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

jem

REGION IV

PROD. MFG. OR SERVICE

Industrial plastics & Elect. Equipment.

DATE OF ACTIVITY Aug. 26, 1969

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HEALTH

OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

N E W

EMPLOYEES

MALE 59

FEMALE 3

TOTAL 64

COUNTY

05

IND. CODE

36

PLANT

Westinghouse Corp. (Industrial Plastics Div.)

ADDRESS

Rt. 31 and #30 - Bedford

ZIP

15522

PHONE

814-623-9014

PERSON INTERVIEWED

Mr. Robert D. Sweet

TITLE

Mgr. Ind. Relations

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.

SAMPLES COLLECTED

(INO. & KIND)

TOTAL

DETERM. MADE

(INO. & KIND)

TOTAL

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD YES ☒ NO ☐ FOLDER YES ☒ NO ☐

REMARKS:

Visit was made to conduct plant inspection. This is a new plant which is now in production. One previous visit was made but, no industrial operations were being done.

Due to high-level plant meeting held this day, I was requested to return at a later date which will be either Sept. 3 or 4th. to do an inspection, having the safety director, plant manager and section foreman showing me around. Plant officials are very polite and cooperative; also are well aware of our requirements and duties.

Mr. Vince Eichenlaub is Safety Director. Mr. Wilbert Speiher is the Corp. Industrial Health Engineer.

A complete punch card to be made.

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

BY A.J. Majer

RIH

WINS 2.0

REG. NO. 12-67
REGION V
PROD. MFG. OR SERVICE
Ceramic Insulators
DATE OF ACTIVITY 1/9/69

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES	600	COUNTY	
MALE	0		32
FEMALE	600	IND. CODE	
TOTAL			36

PLANT Westinghouse Electric Corp. - Ceramic Plant Div.

ADDRESS West 3rd St., Derry, Pa. ZIP 15627 PHONE 412-694-2711

PERSON INTERVIEWED Mr. E. D. Mills TITLE Mgr. of Industrial Relations

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.
Toluene Solvent	2	Provide proper labeling for solvent containers. (Ltr. sent: 12/4/68)	X		

SAMPLES COLLECTED _____ TOTAL _____
(NO. & KIND)

DETERM. MADE _____ TOTAL _____
(NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND _____

PUNCH CARD YES ☒ NO ☐ FOLDER YES ☒ NO ☐ jal - 2/7/69

REMARKS:

Containers properly labeled as in accordance with Westinghouse regulations.

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

BY D. A. Klimchok RIH 1.5
WINS

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

December 4, 1968

Westinghouse Electric Corporation
Ceramics Plant Division
West Third Street
Derry, Pennsylvania 15627

Attention: Mr. R. D. Cairnes
General Manager

Gentlemen:

An inspection of your plant was conducted by Mr. D. A. Klimchuck, industrial hygienist, on November 26, 1968 to evaluate health hazards to which workers may be exposed.

Based on this inspection, the following recommendation is made:

1. Provide proper labeling for the toluene solvent containers in the asphalt spraying area.

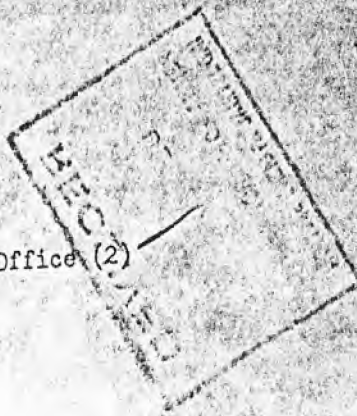
The above recommendation should be accomplished within fifteen (15) days following the receipt of this letter.

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

Very truly yours,

Nicholas Fannick
Regional Industrial Hygienist
Region V

NF/DAK/ss
cc: Central Office (2)
File
F/U



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PA 17120-0090

15-11-68

REGION V
 FUND. MFG. OR SERVICE
Ceramic Insulators
 DATE OF ACTIVITY 11/26/68

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF HEALTH
 OCCUPATIONAL HEALTH
 FIELD ACTIVITY REPORT

EMPLOYEES	600	COUNTY	65
MALE	0	IND. CODE	36
FEMALE	600		
TOTAL			

PLANT Westinghouse Electric Corp. - Ceramics Plant Div.
 ADDRESS West Third St., Derry, Pa. ZIP 15627 PHONE 412-694-2711
 PERSON INTERVIEWED Mr. E. D. Mills TITLE Mgr. of Ind. Relations

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;
 REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.
Toluene Vapors	4	1. Provide proper labeling for solvent containers. (ltr. sent: 12/4/68)			

SAMPLES COLLECTED
 (NO. & KIND)

DETERM. MADE
 (NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD YES ☒ NO ☐ FOLDER YES ☒ NO ☐ Jan - 12/26/68

REMARKS:

Changes on Front of P/C: Nurse: Mrs. M. L. Keough, R.N., Full Time. Safety Supervisor:
Mr. A. D. Tatmans. B. M. 2166 dust respirator available. Waste slurry hauled away and is
in wetted form when disposed. Urine and blood leads given to workers in T Bldg. operations
where Pb is used.

On Back of P/C:

OPERATION	HAZARD	CONTROL MEASURE
<u>New Casting Department</u>		
Vertical Turning	As on P/C	L.E.V. to outside collector
<u>Turning Department</u>		
Drying (gas - 160°F)	CO, CO ₂ Gases Convective Heat	Enc. oven with L.E.V. to outside

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350 North Street, Harrisburg, PA 17120-0090
 & Museum Commission

BY D. A. Klimchok RIH
Industrial Hygienist WINS 6.0

2/16/69
 [Signature]

OPERATION	HAZARD	CONTROL MEASURE
<u>Kiln Department</u>		
As on P/C	As on P/C	As on P/C + L.E.V. to outside

<u>Tool Shop</u>		
Drilling	Fe Dust	G.V., occas. oper.
Lathing	do. + H ₂ O Sol. Oil Mist, Derm.	do. + wetted oper, per. hyg.
Milling	As for Lathing	As for lathing

<u>New Bldg. - "T" Bldg.</u>		
Assembly (elec. - 650°F)	PbO Fume Convective & Radiant Heat	G.E.V. in area, inter. oper.
Vitrobonding (elec. - 296°F)	"Atlas Vitrobond" Mist/Vapor (contains S) (Atlas Mineral Co., Mertztown, Pa.) SO ₂ Gas	Unit has L.E.V. to outside

NOTE: SOME OPERATIONS SUCH AS GLAZING, TURNING, HOT PRESSING AND DRYING ARE IN THIS DEPARTMENT. HAZARDS AND CONTROLS ARE AS PREVIOUSLY LISTED ON P/C. ALL OPERATIONS HAVE L.E.V. TO OUTSIDE DUST COLLECTOR.

<u>Grinding Department</u>		
Grinding	Dusts as Listed + Carborundum Dust	All units have L.E.V. to outside collector

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17120-0090

cc: Central Office (2) ✓
File (2)

Division of Occupational Health
505 State Office Building
300 Liberty Avenue
Pittsburgh, Pennsylvania 15222
September 19, 1967

Westinghouse Electric Corporation
Ceramics Plant Division
West Third Street
Derry, Pennsylvania 15627

Attention: Mr. R. D. Cairns
Plant Manager

Gentlemen:

A survey to evaluate employees exposure to silica dust in the preparations department of your plant was made on August 28, 1967 by Mr. W. E. Seaman, environmental health trainee. This survey was made with the cooperation of Mr. R. Rupert, preparation foreman. I supervised and thoroughly reviewed Mr. Seaman's activity.

Samples of airborne dust were collected at the operator's breathing zone using midget impinger tubes containing ethyl alcohol as the collecting liquid. Dust counts were determined microscopically by a standardized light-field technique.

Samples for particle size determinations were collected on membrane filters. Particle size measurements were made microscopically using a Porton graticule. The results indicate that the dust is respirable and capable of being retained in the lungs. See table 2.

Dust concentrations ranged from 1.3 to 12.0 million particles per cubic foot of air. See table 1. All exposures were less than the threshold limit value, based on an eight-hour daily exposure, because the employee's exposures are intermittent. No recommendations are necessary under present operating conditions.

We are enclosing copies of our booklet entitled "Dust" and Article 432, Regulations Establishing Threshold Limits in Places of Employment, as amended. We appreciate your cooperation and the services of this Division are available to you at all times.

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

DAT/WES/jal
Attachments
Enclosures

Very truly yours,

W. A. Tyler

D. A. Tyler
Regional Industrial Hygienist
Region IV

See 9-25-67

TABLE 1

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Dust Concentrations, Free Silica Content
and Threshold Limit Value

Westinghouse Electric Corporation
East Third Street, Derry, Pennsylvania 15627

Location	Dust Concentrations (millions of particles per cubic meter of air)	Threshold Limit Value*	Free Silica Content (percent)	Remarks
Charging moving hopper in blending area	4.1 1.3	10	20	Operator's breathing zone
Charging blender from hopper car	12.0	8	28	Operator's breathing zone, intermittent employee exposure
Charging Simpson Mill	3.92 11.5	9	23	Operator's breathing zone, intermittent employee exposure
Charging P.K. Blender	4.6 4.8	6 6	35	Operator's breathing zone
Lathe 00395	2.18 1.80	9	24	Operator's breathing zone
Lathe D314	3.25 3.12	10 10	20	Operator's breathing zone

*Threshold limit value based on an 8-hour working day and calculated from the
formula, $\frac{250}{\% \text{ free silica} + 5}$

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Flinn's Credit

PA STATE ARCHIVES

State, Harrisburg, PA 17120-0090
Museum Commission

TABLE 2

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Particle size

Westinghouse Electric Corporation
East Third Street, Derry, Pennsylvania 15627

Location	Median Particle Size (microns)	Standard Deviation
Blending mills	0.87	3.40
Lathe 00395	0.75	2.54
Simpson Mill	0.74	3.35
P.K. Blender	0.86	2.80

Survey by:

W. E. Seaman
Environmental Health TraineeReproduction of an Original Record
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100 North Street, Harrisburg, PA 17120-0090
Phone: 717-224-6000

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

3367 *File*

REGION IV
DATE COLLECTED 8/21/67
DATE SUBMITTED 8/22/67
DATE REC'D IN LAB. 8/30/67

SAMPLE AND LABORATORY REPORT

NAME OF COMPANY

ADDRESS

Westinghouse Electric Corporation

Derry, Pa. 15627

PRODUCT MANUFACTURED OR SERVICE Ceramic Insulators	MATERIAL SAMPLED Rafter sample	APPARATUS AND SUCTION SOURCE ---
COLLECTED BY W. P. Seaman	COLLECTION LIQUID ---	ANALYSIS DESIRED Free Silica

SUBSTANCES LIKELY TO INTERFERE AND LIKELY TO BE PRESENT

COMMENTS

SAMPLE NUMBER	SAMPLING LOCATION AND OPERATION	AIR VOLUME	LABORATORY RESULTS % Free SiO ₂
4-2391	Charging hopper in Blending Area	---	20
4-2392	Charging Blender #2	---	28
4-2393	Charging Simpson Blender	---	23
4-2394	Charging P. K. Blender	---	35
4-2395	Lathe D O 395	---	24
4-2396	Lathe D 314	---	20

REPORT OF ANALYSIS

Results phoned to region 9/6/67.

Analyses by x-ray diffraction.

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PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

ANALYSIS F. VonderHeiden DATE 9/6/67 CHEMIST *J. D. Brown*

DATE REC'D. 9/7/67 DATE TYPED 9/7/67 DATE SUBMITTED TO REQUESTING AGENCY _____

sk

REGION IV

PROD. MFG. OR SERVICE

Ceramic Insulators

DATE 8/28/67

PLANT

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HEALTH

OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMP 587

MALE 0

FEMALE 587

TOTAL

COUNTY 65

IND. CODE

Westinghouse Electric Corp. Ceramics Div.

ADDRESS West Third Street Derry Pa. 15627

PERSON INTERVIEWED Mr. Richard Rupert

Preparations Foreman

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN -- VERBAL	ACCOMPLISHED		
			YES	NO	IN PROG.
<u>Dust</u>	<u>7</u>	<u>See Report</u>			

SAMPLES COLLECTED 11 Impingers 4 Particle Size 6 Rafter Sample

(NO. & KIND)

21

DETERM. MADE 24 counts 4 Particle Size

(NO. & KIND)

TOTAL 28

MEDICAL

O.D. REPORTED, NO. & KIND

REMARKS Survey conducted

WINS - 18.0

PUNCH CARD ☒ YES ☐ NO

FOLDER ☒ YES ☐ NO

BY W. E. Seaman

gjb 9/5/67

REGION IV

PROD. MFG. OR SERVICE

Ceramic Insulation

DATE 8/28/67

PLANT Westinghouse Electric Corporation
Ceramics Plant Division

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HEALTH

OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

Indus. Code: 36

County Code: 65

EMPLOYEES

MALE

FEMALE

TOTAL 587

ADDRESS W. 3rd Street, Derry, Pennsylvania 15627

PERSON INTERVIEWED Mr. R. H. Lawry

Assistant Manager of
TITLE Industrial Relations

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN -- VERBAL	ACCOMPLISHED		
			YES	NO	IN PROG.

SAMPLES COLLECTED

(NO. & KIND)

TOTAL

DETERM. MADE

(NO. & KIND)

TOTAL

MEDICAL

O.D. REPORTED, NO. & KIND

REMARKS Introduced summer trainee to management. Mr. Seaman (summer employee) conducted a silica survey in the plant. Wins 0.5

PUNCH CARD ☒ YES ☐ NO

FOLDER ☒ YES ☐ NO

BY D. A. Klimchok
Jul 9/1/67

PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17120-0090

PA Historical & Museum Commission

OPERATION	HAZARD	CONTROL MEASURE
Paraffin dip	Decomposition products of paraffin	Thermostatically controlled Electric pan - G. V. Small amount used
Boring	Clay dust as previously listed	L E V to outside dust collector
Drilling	do.	do.
<u>Kiln Department</u> Firing (gas) 2300° F	CO, CO ₂ gases Convect. & Radiant heat	Closed continuous ovens with stack exhaust to outside do.
<u>Carpenter Shop</u> Cutting	Wood dust	Unit has LEV to outside dust collector
Welding	Fe ₂ O ₃ fume CO, CO ₂ , O ₃ , N _x O _x gases U V & I R & intense visible light	G. V. Intermittent operation do. Helmet plus shields
Inspection	Lighting	Good overhead lighting
<u>Assembly</u> Spraying asphalt	Asphalt vapor & mist	Canopy hood with LEV to outside-Intermittent operation
Mixing cement for brushing	Cement dust & clay dust	Unit has LEV to outside dust collector- small amounts used EBM approv. dust resp. available
Cementing	Portland cement & glass dust	Wetted by water-brush applied G. V.
Curing 100° F	Convective heat Dampness	Enclosed oven vented to outside G. V.
Cleaning	Dust as listed	Unit has LEV to outside dust collector-small amount present
<u>Dry Press Department</u> (Automatic & semi-automatic) Pressing (gas)	Oil mist	Done over canopy hood - L E V to outside
<u>Assembly</u> Inserting templets	Lead fume	Lead pot thermostatically controlled - 400° F - done under canopy hood with LEV to outside Intermittent oper.-occas.exposure
Drilling	Dust as previously listed	LEV to outside- closed unit
Trimming	do.	do.
Lathing	do.	do.

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PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17124-0030
PA State Museum Commission

OPERATION	HAZARD	CONTROL MEASURE
Paraffin dip	Decomposition products of paraffin	G.V.-Controlled temperature Intermittent operation Small amounts of paraffin used
Grinding	Dust as listed plus Carborundum dust	Closed grinder with LEV to outside - Clay is wet when it is being ground
<u>Metallic Glaze Department</u>		
Glazing by oil application and firing - electric 1200° F	Pt metal suspended in oil (confidential) Pt fume & oil vapor	When fired unit has LE V to outside - small amount of material is used
Soldering	Sn & Pb fumes	Lead pot is thermostatically controlled - 550-600° F Pot exhaust to outside
Washing (steam)	Detergent mist	This is an automatic washing unit and is enclosed. No one is in this area since the operation is continuous and automatic
<u>Research & Development Division</u>		
The same material is used. Basic formulations are done on other grades unless these are done on a small scale operation.		
Physical testing	None apparent	None required
Mixing & blending	Dust as previously listed	Done under standard lab hood with exhaust to outside
Spray glazing	Metallic oxide as previously listed	Spray hood with exhaust to outside; small amounts used
This research and development area includes one man and the chemist does all the basic formulations on other grades and the physical testing.		
Plant Transportation via battery and propane powered tow motor	CO, CO ₂ , O ₃ , N _x O _x Ozonides Sulfur oxide gases Aldehyde vapors Convective heat	G. V. do. do. do.

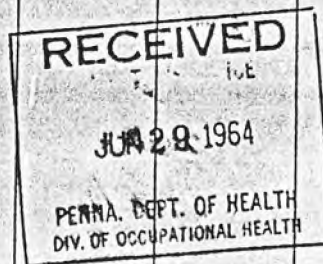
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

OCCUPATIONAL HEALTH NURSING CONSULTATION

REGION IV	COUNTY Westmoreland	DATE June 23, 1964
PLANT NAME (Industrial Ceramics Division) Westinghouse Electric Corporation		ADDRESS West 3rd Street, Derry, Pa.
NUMBER OF EMPLOYEES:	TOTAL 450	MALE 450
		FEMALE 0
MANAGEMENT PERSONNEL INTERVIEWED:		PRODUCT MANUFACTURED Insulators
Mr. Richard Lawry, Assistant Personnel Director		
MANAGEMENT WITH ADMINISTRATIVE RESPONSIBILITY FOR HEALTH SERVICE:		
Mr. E. D. Mills		
SICK AND ACCIDENT INSURANCE CARRIER:	COMPENSATION INSURANCE CARRIER:	
Metropolitan	Self-insured	
NURSING CONSULTATION TO HEALTH SERVICE PERSONNEL BY INSURANCE CARRIER:		
YES ☐ NO ☒		
SPECIFIC HEALTH PROBLEMS AND HAZARDS:		

PHYSICAL FACILITIES:				
NUMBER OF ROOMS 3		WAITING ROOM YES ☒ NO ☐		
HEALTH SERVICE PERSONNEL:	FULL-TIME	PART-TIME	ON-CALL	TIME ON DUTY
Maxine Fisher, R. N.				
J. F. Blair, M.D.		x		q. day

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PA Historical & Museum Commission



FIRST AID PERSONNEL:

6/23/66

DATE OF VISIT	DATE	DATE	DATE	DATE	DATE
PHYSICAL EXAMINATION PROGRAM: (USE X FOR AFFIRMATIVE)					
PRE-PLACEMENT	X				
TERMINATION					
PERIODIC	X				
ALL EMPLOYEES					
SELECTIVE - Supervisory Foreman - Annually	X				
SPECIAL TESTS:					
VISUAL SCREENING (SHellen) MACHINE	X				
AUDIOGRAM					
E.K.G.					
CHEST PLATE	X				
OTHER					
LABORATORY:					
URINALYSIS					
BLOOD COUNT Hemoglobin	X				
SEROLOGY					
OTHER					
IMMUNIZATION: (SPECIFY)					
Influenza Vaccine					
PHYSIOTHERAPY:					
Infra-red & Diathermy					
NURSING ACTIVITIES:					
(FUNCTIONS WITHIN SIGNED MEDICAL DIRECTIVES) ☐ YES ☒ NO					
ASSISTS WITH PHYSICAL EXAMINATIONS	X				
FOLLOW-UP					
HEALTH EDUCATION:	X				
INDIVIDUAL	X				
GROUP					
PLANT INSPECTIONS					
SANITATION INSPECTIONS (TOURS)					
MEMBER OF SAFETY COMMITTEE					
RECORDS: WHERE KEPT? Health Service	X				
DAILY LOG					
INDIVIDUAL HEALTH RECORD	X				
TALLY SHEET	X				
REFERRAL FORM					
REPORTS:					
DAILY	X				
MONTHLY	X				
ANNUAL					
NARRATIVE INCLUDED					
PROCEDURE MANUAL	X				
COUNSELLING					
HOME VISITS					
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS					
P.N.A.					

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This visit was a follow-up on a request from Miss Fisher, plant nurse, for literature on Occupational Health Nursing. Miss Fisher has had very little experience in nursing, having graduated only a year ago. She is, however, very interested in doing a good job. She is not certain, at this time, whether she wishes to remain in Occupational Health Nursing or return to the hospital. She feels that she does not have enough duties to keep her busy. She misses the companionship of other nurses.

Topics discussed were:Recommended

- | | |
|---|---|
| (1) Legal aspects - | (1) That Dr. Blair be asked to sign Medical Directives
DATE |
| (2) Setting up a Health Education Program | (2) That Management and physicians be asked to cooperate in a good Health Teaching program. |
| (3) Literature on Occupational Health Nursing | (3) That a small reference library be assembled with several books to be used as source material. |
| (4) Professional Development | (4) That Miss Fisher attend the PNA and S.P.A.I.N. Educational Programs |

Miss Fisher is interested in continuing her education and acquiring a degree. She attended the University of Pittsburgh Extension course last semester. She asked the Consultant to inquire as to scholarships.

This was a profitable visit since Miss Fisher was very receptive to suggestions.

The consultant advised her to give herself another six months in industry before making a definite decision to leave the field of nursing.

Mary G. Deegan

Mary G. Deegan, R. N.
Occupational Health Nursing Consultant

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OPERATION	HAZARD	CONTROL MEASURE
Cementing parts	Cement dust	Wet - general ventilation
Dry Press Department (Automatic & semi-automatic)		
Trim & glaze	Clay dust (moist)	Local exhaust
Drill	" "	" "
Turn		Hood & exhaust
Grinding	" "	Wet - exhaust
Cleaning	" "	Local exhaust
Paraffin dip	Paraffin	General ventilation Controlled temperature
Metallic Glaze Department		
Glazing by oil application & firing	Metal particles (confidential) Oil - heat	General ventilation
Soldering	Sn - Pb - sal Ammoniac - glycerine	Local exhaust
Wash & steam	Water steam	Automatic
Assemble plates and bake	Glue & clay (wet) Heat	Closed ovens General ventilation
Grinding Department		
Finishing (Wet & dry)	Mineral & metal dust	Local exhaust
Assembly	Mineral lead alloy (white metal)	Local exhaust
Hot Press		
Pressing	Heat - oil fume	Hood & exhaust
Crate & Ship	Wood dust	General ventilation
Inspection & Pack	Paper dust	" "
Carpenter Shop	Wood dust	Local exhaust
Maintenance & Machining (repair)	Welding fumes (iron oxide) Ultra violet NO ₂ Dermatitis	Occasional use Shielding Personal hygiene

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350 North Second Street, Harrisburg, PA 17120-0090
PA State Archives Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

File
9/10/62

OCCUPATIONAL HEALTH NURSING CONSULTATION

REGION IV	COUNTY Westmoreland	DATE Dec. 5, 1962
PLANT NAME Westinghouse Electric Corporation		ADDRESS West 3rd Street, Derry, Pa.
NUMBER OF EMPLOYEES:	TOTAL 460	MALE
	FEMALE 	PRODUCT MANUFACTURED Electric Equipment

MANAGEMENT PERSONNEL INTERVIEWED:

E. D. Mills

Personnel Manager

MANAGEMENT WITH ADMINISTRATIVE RESPONSIBILITY FOR HEALTH SERVICE:

Metropolitan

Self-insured

SICK AND ACCIDENT INSURANCE CARRIER:

COMPENSATION INSURANCE CARRIER:

NURSING CONSULTATION TO HEALTH SERVICE PERSONNEL BY INSURANCE CARRIER:

YES ☐

NO ☒

SPECIFIC HEALTH PROBLEMS AND HAZARDS:

PHYSICAL FACILITIES:

NUMBER OF ROOMS **3**

WAITING ROOM

YES ☒

NO ☐

HEALTH SERVICE PERSONNEL:

Miss Connie Anderson

J. F. Blair, M.D.

FULL-TIME	PART-TIME	ON-CALL	TIME ON DUTY
x			
	x		8:00 - 4:00
			4 times weekly

FIRST AID PERSONNEL:

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350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

OCCUPATIONAL HEALTH

X-ray to C.O. : 3/18/75

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN)

1. ESTABLISHMENT—NAME, ADDRESS, ZIP CODE Westinghouse Electric Corp. Homewood/Benshton Electric Vehicle Plant 820 Washington Blvd Pgh. Pa. 15206	2. PERSON INTERVIEWED—NAME, TITLE, TEL. NO. Vernon G. Hebard - P.M. 412-256-3980
SAFETY SUPERVISOR: Vernon G. Hebard	
LEGAL OWNER—NAME, ADDRESS. Westinghouse Electric Corp. Pgh., Pa 15222	

3. CARD CODE	1	2-3	4-5	6-7	8-9	10-15
DATE	05	12	72	STATE CODE	42	COMPANY NUMBER
						500166
7. (1) ORIGINAL INSPECTION - STATE & NSN						16
(2) Original Inspection - NSN						2
(3) Reinspection - NSN						
8. What is your Chief Product or Service? Electric Vehicles						17-20
						SIC 3711
9. SIZE CODE? (Based on Total Number of Employees)						21
(1) 1-3 (3) 8-19 (5) 50-99 (7) 250-499 (9) 1,000 +						3
(2) 4-7 (4) 20-49 (6) 100-249 (8) 500-999						
10. HOW MANY SHIFTS DO YOU HAVE? one						22-26
						00018
11. HOW MANY PEOPLE ARE ON THIS PLANT'S PAYROLL AT THE PRESENT TIME?						27-31
						00013
12. OF THIS NUMBER, HOW MANY ARE NORMALLY IN THE WORK AREA AS OPPOSED TO THE OFFICE OR OUTSIDE AREA?						32-33
						99
13. OF THOSE IN THE WORK AREA WHAT APPROXIMATE PERCENTAGE IS MALE?						34
						3
14. DOES THIS PLANT DO FEDERAL CONTRACT WORK?						35
(1) Yes, Prime Contractor, (3) No, (2) Yes, Subcontractor, (4) Don't Know.						2
15. A. DOES YOUR COMPANY EMPLOY AN INDUSTRIAL HYGIENIST? (1) Yes, at this Plant, (2) Yes, at Corporate Hq., (3) Yes, Consultant, (4) No.						36-37
His Name, Address W. Speicher, East Pgh. Bldg 26						38
and Telephone Number: East Pgh. Pa 15112 412-256-2378						3
B. ESTIMATE THE AVERAGE NUMBER OF INDUSTRIAL HYGIENE MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						39-40
						00
16. A. DO YOU HAVE AN AGREEMENT WITH A PHYSICIAN TO GIVE YOUR EMPLOYEES EMERGENCY OR OTHER MEDICAL CARE? (1) Yes, Full Time, (2) Yes, Part Time (3) Yes, On Call: (4) No.						41
His Name, Address J. K. Dornenbuck MD, 121 N. Highland Mall						4
and Zip Code: Pgh. Pa 152 412-471-9300						
B. ESTIMATE THE AVERAGE NUMBER OF PHYSICIAN MAN-HOURS THAT ARE DEVOTED TO YOUR PLANT PER WEEK.						42-44
						000
17. A. DO YOU HAVE A REGISTERED NURSE IN YOUR FACILITY AT A REGULAR TIME? (1) Yes, R.N., (3) Yes, Both (2) Yes, L.P.N., (4) No.						
B. ESTIMATE THE AVERAGE NUMBER OF NURSING MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						

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18. A. DO YOU HAVE AN EMPLOYEE RESPONSIBLE FOR GIVING FIRST-AID WHEN NO DOCTOR OR NURSE IS PRESENT?
(1) Yes, (2) No, (3) Not Applicable 45 ☐ 1
- B. DOES HE HAVE ANY FORMAL FIRST-AID TRAINING?
(1) Yes, Red Cross (3) Yes, Other (5) Don't Know
(2) Yes, Armed Serv. Medic (4) No (6) Not Applicable 46 ☐ 4
19. A. WHEN YOU HIRE A NEW EMPLOYEE, DO YOU RECORD INFORMATION FROM HIM, ABOUT HIS HEALTH, ON SOME REGULAR FORM?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No. 47 ☐ 1
- B. BEFORE YOU HIRE A NEW EMPLOYEE, DO YOU REQUIRE HIM TO TAKE A MEDICAL EXAMINATION?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No. 48 ☐ 1
20. A. DO YOU PROVIDE PERIODIC MEDICAL EXAMINATIONS FOR YOUR EMPLOYEES IN HAZARDOUS JOBS?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 49 ☐ 1
- B. DO YOU PROVIDE PERIODIC AUDIOMETRIC EXAMINATIONS FOR YOUR EMPLOYEES THAT ARE EXPOSED TO NOISE?
(1) Yes, Adequate (2) Yes, Inadequate, (3) No, (4) Not Applicable 50 ☐ 4
- C. DO YOU PROVIDE PERIODIC BLOOD AND URINE EXAMINATIONS FOR YOUR EMPLOYEES WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 51 ☐ 4
- D. DO YOU PROVIDE PERIODIC PHYSIOLOGICAL FUNCTION TESTS (Excluding Audiograms) WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 52 ☐ 4
- E. DO YOU PROVIDE PERIODIC CHEST X-RAYS WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 53 ☐ 4
21. DO YOU HAVE AN IMMUNIZATION PROGRAM?
(1) Yes, (2) No. 54 ☐ 1
22. ARE YOUR EMPLOYEE ABSENTEEISM RECORDS
A. (1) Not Kept, (2) Kept, without Showing Nature of Absence, (3) Kept, Showing Nature of Absence, (4) Kept, Showing Nature of Sickness 55 ☐ 3
- B. WHAT IS YOUR AVERAGE ABSENTEE RATE? (Days/Year/Employee) (Don't Know Coded as 99) 56 - 57 ☐ 25
23. DOES YOUR COMPANY HAVE A FORMAL SAFETY PROGRAM?
(1) Yes, (2) No. 58 ☐ 1
24. IS YOUR WORKMEN'S COMPENSATION INSURANCE CARRIED WITH AN INSURANCE COMPANY OR ARE YOU SELF INSURED? (1) Insurance Company (Name) _____
(2) Self Insured, (3) State Insurance Fund, (4) None. 59 ☐ 2
25. IN YOUR ESTABLISHMENT, DO YOU FEEL THAT THERE ARE ANY HEALTH HAZARDS, EVEN IF YOU HAVE THEM UNDER CONTROL? (1) Yes, (2) No. 60 ☐ 2
- WHAT KINDS _____
OF HAZARDS? _____
26. HAVE YOU HAD ANY OCCUPATIONAL DISEASE IN YOUR PLANT IN THE LAST YEAR?
(1) Yes, Dermatitis (3) Yes, Combination (5) Don't Know.
(2) Yes, Other (4) No 61 ☐ 1
27. HOW MANY YEARS HAS THIS TYPE OF WORK BEEN CONDUCTED IN THESE FACILITIES?
(1) 0-5 (3) 11-20 (5) 31-50
(2) 6-10 (4) 21-30 (6) Greater Than or Equal to 51 62 ☐ 1
28. HOW MANY HOURS DOES IT TAKE TO INSPECT THIS PLANT? 63 - 64 ☐ 02
29. HOW OFTEN (In Years) SHOULD THIS PLANT BE ROUTINELY INSPECTED? 65 ☐ 3

REGION COPY

30. THIS PLANT HAS A HEALTH CONDITION(S) WHICH WARRANTS INVESTIGATION.

(1) Immediately (2) Within One Year (3) Not Warranted

31. NUMBER OF CONTROL RECOMMENDATIONS MADE AS A RESULT

OF THIS INSPECTION:

32. (1) Self Initiated, (2) B.O.S.H. Request, (3) Complaint

33. A. AIR RECIRCULATION:

(1) Yes, Complete Approval
(2) Yes, Conditional Approval(3) Yes, No Approval
(4) No

C. ARTICLE 436:

(1) Yes, Registered
(2) Yes, Partially Registered(3) Yes, Not Registered
(4) NoD. CONFINED SPACE
ENTRY:(1) Yes, Complete Approval
(2) Yes, Partial Approval(3) Yes, No Approval
(4) No

E. REGION CODE:

34. TOTAL AT RISK: (From Part II)

0012

77-80

502

74-76

4

73

4

72

4

71

4

70

1

69

00

67-68

3

66

REMARKS: Company produces 8 vehicles/day. No longer build motors. Air Recirculation system is no longer used. Following operations are equipped with local exhaust ventilation to outside: (1) caustic dipping, (2) steam cleaning, (3) welding, (4) phosphating, (5) paint spray, (6) Drying ovens, and TURNST LUMES. Trade name products used: (1) Jarco COOT 255, Hooker chemical co, (2) TRAFIC TRAD PAINT, Watson Standard Paint co, (3) Automotive Alkyd Enamel, Sherwin Williams, and (4) Reducer RK5, Sherwin-Williams.

PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0001
PA Historical & Museum Commission

INSPECTED BY:

J. Ray Brown

0-041

W.L.N.:

1.5

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 1 OF 4

CARD CODE

2

STATE CODE

4 2

COMPANY NUMBER

500 166

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/1 OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 15-17	18-20	21-23					
upholster/ picker	99	++	001	TOTAL	++	001	++	++
	99	+	++	wood dust	9212	001	++	++
	99	+	++	noise, intermittent	3120	001	++	++
	99	++	++	3 M 77 adhesive	5779	001	++	++
	99	+	++	urethane dust	5999	001	++	++
	99	+	++	Fabric dust	9130	001	++	++
Power Train assembled	99	++	002	TOTAL	++	002	++	++
	99	++	++	Sodium hydroxide	2260	002	++	++
	99	+	++	Clayton steam cleaning compound	5040	002	++	++
	99	+	++	IRON OXIDE Fume	1530	002	++	++
	99	+	++	IR	8180	002	++	++
	99	++	++	UV	3210	002	++	++
	99	++	++	welding gases	5555	002	++	++
	99	+	++	ARGON GAS	0940	002	++	++
	99	++	++	oil mist	5010	002	++	++

TOTAL THIS

PAGE: 3

1 - COMPLETE SURVEY

2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40
++

CONTINUED NEXT PAGE

REGION COPY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 2 OF 4

CARD CODE

2

STATE CODE

4 2

COMPANY NUMBER

590 164

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
Welder	24	001	001	Total	1500	001	++	++
	24	++	++	IRON OXIDE Fume	1500	001	++	++
	24	++	++	IR	5000	001	++	++
	24	++	++	UV	2010	001	++	++
	24	++	++	Welding Gases	5300	001	++	++
Cut-off + Bonder	22	001	001	Total	1500	001	++	++
	22	++	++	IRON OXIDE DUST	1520	001	++	++
	22	++	++	noise, impact	2130	001	++	++
Turret Lathe operator	12	001	001	Total	1500	001	++	++
	12	++	++	IRON OXIDE DUST	1520	001	++	++
	12	++	++	oil mist	3010	001	++	++
	12	++	++	noise, continuous	5110	001	++	++
Final Assembly Welder	24	002	002	Total	1520	002	++	++
	24	++	++	IRON OXIDE Fume	1520	002	++	++
	24	++	++	IR	5300	002	++	++

TOTAL THIS

PAGE: 51 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

++ ++ ++

CONTINUED NEXT PAGE

2

REGION COPY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSNI) PART II

PAGE 3 OF 4CARD CODE 2STATE CODE 42

COMPANY NUMBER

10-15
500 166

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/I OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
	24	+	+	UV	9270	002	+	+
	24	+	+	welding gases	5390	002	+	+
	24	+	+	ARGON GAS	0240	002	+	+
Painter	16	001	001	Total	---	001	+	+
	16	+	+	PARCO COAT 2554	5999	001	+	+
	16	+	+	TRAFFIC TReD MIST	5999	001	+	+
	16	+	+	enamel mist	5192	001	+	+
	16	+	+	RK54 VAPOR	5999	001	+	+
	16	+	+	heat, dry	8320	001	+	+
	16	+	+	carbon dioxide	0530	001	+	+
	16	+	+	carbon monoxide	0500	001	+	+
	16	+	+	OXIDES OF NITROGEN	1910	001	+	+
Vehicle Wiperm	99	+	001	Total	---	001	+	+
	99	+	+	Asbestos dust	9040	001	+	+
	99	+	+	noise Intermittent	8145	001	+	+

TOTAL THIS

PAGE: 21 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

CONTINUED NEXT PAGE

REGION COPY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 4 OF 4

CARD CODE

2

STATE CODE

4 2

COMPANY NUMBER

1 10 6

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/OCC. (P.O.I.)	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
Assembler	99	+	001	Total	+	001	+	+
	99	+	+	noise, intermittent	7120	001	+	+
	99	+	+	oil vapor	5007	001	+	+
Maintenance Man	68	+	001	Total	+	001	+	+
	68	+	+	IRON OXIDE Fume	1520	001	+	+
	68	+	+	IR	9390	001	+	+
	68	+	+	UV	9270	001	+	+
	68	+	+	welding gases	5390	001	+	+
	68	+	+	asbestos dust	9000	001	+	+
upholster/ Packer	99	+	+	asbestos dust	9120	001	+	+

TOTAL THIS

PAGE:

2

TOTAL AT RISK

0012

CONTINUED NEXT PAGE

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

REGION COPY

continued - Page 2

Westinghouse Electric Corp. - East Pittsburgh Div.
700 Braddock Ave.
East Pittsburgh, Pa. 15112

pc
5/28/70

OPERATION	HAZARD	CONTROL MEASURE
Heating (gas)	Heat, CO & CO ₂ Gases	Closed oven, G.A.D.
Forging	Heat, I.R. Rad., Fe _x O _x Dust, Noise	G.A.D., protect. clothing, impact type noise, ear protect. devices avail.
Heating - 2 (gas)	Heat, CO & CO ₂ Gases	G.A.D.
Rolling & Bending	Heat, I.R. Rad.	do. + protect. clothing
<u>MF</u>		
Burning - 6 (O ₂ & natural gas)	Fe _x O _x Fumes, CO, CO ₂ & N ₂ O _x Gases, I.R. Rad.	do.
Plasma Torch	Fe _x O _x Fumes, CO, CO ₂ , O ₂ & N ₂ O _x Gases, I.R. & U.V. Rad.	L.E.V. to the outside, protect. clothing
Sawing - 2	Fe _x O _x Dust, Oil Mist (H ₂ O Sol.) Derm., Noise	L.E.V. to two collectors, per. hyg., short duration noise, ear protect. devices avail.
Welding - 20 (arc)	Fe _x O _x Fumes, CO, CO ₂ , O ₂ & N ₂ O _x Gases, I.R. & U.V. Rad.	G.A.D., protect. clothing, roof fans

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5/28/70

continued - Page 9

Westinghouse Electric Corp. - East Pittsburgh Div.
700 Braddock Ave.
East Pittsburgh, Pa. 15112

OPERATION	HAZARD	CONTROL MEASURE
<u>D Aisle</u>		
Sanding	Micarta & Emery Dusts	L.E.V. to dust collector
Testing	Noise	Ear protect. devices worn
Milling & Lathing	Fe _x O _x Dust	G.A.D
<u>C Aisle</u>		
Milling - 2	do.	do.
Grinding	do. + Carborundum Dusts	do.
Welding - 6 (arc)	Fe _x O _x Fumes, CO, CO ₂ , O ₃ & N ₂ O _x Gases, I.R. & U.V. Rad.	do. + protect. clothing
Brazing (O ₂ - acetylene)	Ag, Cd, Cu & Zn Fumes Flux Fumes "Handy Flux" (Handy & Harmon) CO, CO ₂ & N ₂ O _x Gases, I.R. Rad.	L.E.V. to the outside, protect. clothing

Westinghouse Electric Corp. - East Pittsburgh Div.
700 Braddock Ave.
East Pittsburgh, Pa. 15112

OPERATION	HAZARD	CONTROL MEASURE
Acid Dip	HNO ₃ & H ₂ SO ₄ Vapors, N ₂ O ₄ & SO ₂ Gases, Derm.	L.E.V. to the outside, protect. clothing, per. hyg.
Detergent Dip	Mist & Vapor "Sprex AC" (Dubois Chemical Co.) Derm.	do.
Hot H ₂ O Rinse	Steam, Dampness	L.E.V. to the outside, protect. clothing
Buffing	Cu & Cloth Dusts, Buffing Compound Dust "#140 Stix Wax" (Johnson Wax Co.)	L.E.V. to dust collector
Milling - 6, Planing - 10, Drilling - 15 & Lathing - 15	Fe O & Cu Dusts, Oil Mist, Derm.	G.A.D., protect. clothing, per. hyg.
<u>R-60</u>		
Assembly	Noise	Sporad. exp.
Spraying Asphalt	Asphalt Vapor, Asbestos Dust, Derm.	G.A.D., material is a thick goo, protect. clothing, per. hyg.

continued - Page 42

Westinghouse Electric Corp. - East Pittsburgh Div.
700 Braddock Ave.
East Pittsburgh, Pa. 15112

OPERATION	HAZARD	CONTROL MEASURE
Drilling, Milling, Planing & Lathing - 6	Fe _x O _x Dust	do.
Screw Machines - 20	do. + Oil Mist, Derm.	do. + per. hyg.
<u>I-21</u>		
Centrifuge	Oil Vapor, Derm.	do.
Degreaser	Trichloroethylene Vapor, Derm.	Auto., cooling coils, thermo. controls, per. hyg.
Auto. Screw Machines - 30	Fe O & Brass Dusts, Oil Mist, Derm., Noise	G.A.D., tubes lined for noise control, per. hyg.
<u>ZX-10</u>		
Drilling & Wire Brushing - 10	Micarta Dust	L.E.V. to the outside
Grinding & Sander - 10	do. + Carborundum Dust	do.
Blasting (steel shot)	Fe _x O _x & Steel Dusts	Closed cabinet

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PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17124-0090
PA Historical & Museum Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH

PART I PAGE 1

OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN)

1. ESTABLISHMENT—NAME, ADDRESS, ZIP CODE WESTINGHOUSE ELECTRIC CORP. ELEVATOR COMPONENTS PLANT P.O. BOX 259 GETTYSBURG 17325	2. PERSON INTERVIEWED—NAME, TITLE, TEL. NO. DAVID JAMES SUPERVISOR OF EMPLOYEE RELATIONS 717 334-7651 EXT. 135
SAFETY SUPERVISOR: SAME	
LEGAL OWNER—NAME, ADDRESS. SAME WESTINGHOUSE BUILDING PITTSBURGH GETTYSBURG CENTER 152.0	

MO. DAY YR.

3. CARD CODE	1	4. DATE	04	01	71	5. STATE CODE	4	2	6. COMPANY NUMBER	300	151
--------------	---	---------	----	----	----	---------------	---	---	-------------------	-----	-----

7. (1) ORIGINAL INSPECTION - STATE & NSN (2) Original Inspection - NSN (3) Reinspection - N.N.

16
2

8. What is your Chief Product or Service?

ELEVATOR COMPONENTS

17-20
SIC 3534

9. SIZE CODE? (Based on Total Number of Employees)

(1) 1-3 (3) 8-19 (5) 50-99 (7) 250-499 (9) 1,000 +
(2) 4-7 (4) 20-49 (6) 100-249 (8) 500-999

21
6

10. HOW MANY SHIFTS DO YOU HAVE?

TWO

22-26

11. HOW MANY PEOPLE ARE ON THIS PLANT'S PAYROLL AT THE PRESENT TIME?

00190

12. OF THIS NUMBER, HOW MANY ARE NORMALLY IN THE WORK AREA AS OPPOSED TO THE OFFICE OR OUTSIDE AREA?

27-31
00145

13. OF THOSE IN THE WORK AREA WHAT APPROXIMATE PERCENTAGE IS MALE?

32-33

14. DOES THIS PLANT DO FEDERAL CONTRACT WORK?

(1) Yes, Prime Contractor, (3) No,
(2) Yes, Subcontractor, (4) Don't Know.

98

15. A. DOES YOUR COMPANY EMPLOY AN INDUSTRIAL HYGIENIST? (1) Yes, at this Plant, (2) Yes, at Corporate Hq., (3) Yes, Consultant, (4) No.

His Name, Address: WILBUR SPEICHER IND. HYGIENE
LAB. EAST PITTSBURGH (WESTINGHOUSE)
and Telephone Number: 412-256-7000 EXT. 2378

34
35
2

- B. ESTIMATE THE AVERAGE NUMBER OF INDUSTRIAL HYGIENE MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.

36-37
04

16. A. DO YOU HAVE AN AGREEMENT WITH A PHYSICIAN TO GIVE YOUR EMPLOYEES EMERGENCY OR OTHER MEDICAL CARE? (1) Yes, Full Time, (2) Yes, Part Time, (3) Yes, On Call, (4) No.

His Name, Address: HAND-ALISON-WILLIAMS MEDICAL CENTER
and Zip Code: SOUTH WASHINGTON ST. GETTYSBURG 17325

38
2

- B. ESTIMATE THE AVERAGE NUMBER OF PHYSICIAN MAN-HOURS THAT ARE DEVOTED TO YOUR PLANT PER WEEK.

39-40
08

17. A. DO YOU HAVE A REGISTERED NURSE IN YOUR FACILITY AT A REGULAR TIME?

(1) Yes, R.N., (3) Yes, Both
(2) Yes, L.P.N., (4) No.

41
1

- B. ESTIMATE THE AVERAGE NUMBER OF NURSING MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.

42-44
040

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PA Historical & Museum Commission

Pl. No. 30015/

18. A. DO YOU HAVE AN EMPLOYEE RESPONSIBLE FOR GIVING FIRST-AID WHEN NO DOCTOR OR NURSE IS PRESENT?
(1) Yes, (2) No, (3) Not Applicable 45 ☐ 3
- B. DOES HE HAVE ANY FORMAL FIRST-AID TRAINING?
(1) Yes, Red Cross (3) Yes, Other (5) Don't Know
(2) Yes, Armed Serv. Medic (4) No (6) Not Applicable 46 ☐ 6
19. A. WHEN YOU HIRE A NEW EMPLOYEE, DO YOU RECORD INFORMATION FROM HIM, ABOUT HIS HEALTH, ON SOME REGULAR FORM?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No. 47 ☐ 1
- B. BEFORE YOU HIRE A NEW EMPLOYEE, DO YOU REQUIRE HIM TO TAKE A MEDICAL EXAMINATION?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No. 48 ☐ 1
20. A. DO YOU PROVIDE PERIODIC MEDICAL EXAMINATIONS FOR YOUR EMPLOYEES IN HAZARDOUS JOBS?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 49 ☐ 2
- B. DO YOU PROVIDE PERIODIC AUDIOMETRIC EXAMINATIONS FOR YOUR EMPLOYEES THAT ARE EXPOSED TO NOISE?
(1) Yes, Adequate (2) Yes, Inadequate. (3) No, (4) Not Applicable 50 ☐ 4
- C. DO YOU PROVIDE PERIODIC BLOOD AND URINE EXAMINATIONS FOR YOUR EMPLOYEES WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 51 ☐ 4
- D. DO YOU PROVIDE PERIODIC PHYSIOLOGICAL FUNCTION TESTS (Excluding Audiograms) WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 52 ☐ 4
- E. DO YOU PROVIDE PERIODIC CHEST X-RAYS WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable 53 ☐ 2
21. DO YOU HAVE AN IMMUNIZATION PROGRAM?
(1) Yes, (2) No. 54 ☐ 1
22. ARE YOUR EMPLOYEE ABSENTEEISM RECORDS
A. (1) Not Kept, (2) Kept, without Showing Nature of Absence, (3) Kept, Showing Nature of Absence,
(4) Kept, Showing Nature of Sickness 55 ☐ 4
- B. WHAT IS YOUR AVERAGE ABSENTEE RATE? (Days/Year/Employee)
(Don't Know Coded as 99) 56 - 57 ☐ 02
23. DOES YOUR COMPANY HAVE A FORMAL SAFETY PROGRAM?
(1) Yes, (2) No. 58 ☐ 1
24. IS YOUR WORKMEN'S COMPENSATION INSURANCE CARRIED WITH AN INSURANCE COMPANY OR ARE YOU SELF INSURED? (1) Insurance Company (Name) _____
(2) Self Insured, (3) State Insurance Fund, (4) None. 59 ☐ 2
25. IN YOUR ESTABLISHMENT, DO YOU FEEL THAT THERE ARE ANY HEALTH HAZARDS, EVEN IF YOU HAVE THEM UNDER CONTROL? (1) Yes, (2) No. 60 ☐ 1
- WHAT KINDS OF HAZARDS? METAL DUST, LOBESYDUST
CHLORIDE FUMES
26. HAVE YOU HAD ANY OCCUPATIONAL DISEASE IN YOUR PLANT IN THE LAST YEAR?
(1) Yes, Dermatitis (3) Yes, Combination (5) Don't Know.
(2) Yes, Other (4) No 61 ☐ 4
27. HOW MANY YEARS HAS THIS TYPE OF WORK BEEN CONDUCTED IN THESE FACILITIES?
(1) 0-5 (3) 11-20 (5) 31-50
(2) 6-10 (4) 21-30 (6) Greater Than or Equal to 51 62 ☐ 1
28. HOW MANY HOURS DOES IT TAKE TO INSPECT THIS PLANT? 63 - 64 ☐ 02
29. HOW OFTEN (In Years) SHOULD THIS PLANT BE ROUTINELY INSPECTED? 65 ☐ 3

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Pl: No. 30015/

30. THIS PLANT HAS A HEALTH CONDITION(S) WHICH WARRANTS INVESTIGATION.

(1) Immediately (2) Within One Year (3) Not Warranted

65
3

31. NUMBER OF CONTROL RECOMMENDATIONS MADE AS A RESULT OF THIS INSPECTION.

67-68

02

32. (1) Self Initiated, (2) B O S H. Request, (3) Complaint

69
7

33. A. AIR RECIRCULATION:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Conditional Approval (4) No70
4

B. ARTICLE 434:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Conditional Approval (4) No71
4

C. ARTICLE 436:

(1) Yes, Registered (3) Yes, Not Registered
(2) Yes, Partially Registered (4) No72
4

D. CONFINED SPACE ENTRY:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Partial Approval (4) No73
4

E. REGION CODE:

74-76

301

34. TOTAL AT RISK: (From Part II)

77-80

0145

REMARKS:

This is a large, modern plant, essentially all in one room. Outside air is introduced, filtered, exhausted to the outside, filtered, and returned to the plant. Air recirculation was observed at room air collector serving a Centrex grinding operation. A letter was written April 5, 1971 regarding request for approval of this air recirculation. The cutting of asbestos sheet is presently done inside the building and employees doing this are required to wear approved respirators. In the near future this operation is to be moved to an isolated area and have its own local exhaust system. The tripwire for depressor is presently automatic and requires no operator.

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PA Historical & Museum Commission

INSPECTED BY:

J.C. Miller

0023 W.I.N.'s

325

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 1 OF 3

WESTINGHOUSE CORP GETTYSBURG

CARD CODE ¹
2STATE CODE ⁸⁻⁹
4 2COMPANY NUMBER ¹⁰⁻¹⁵
300151

EMPLOYEES				EXPOSURES				
OCCUPATION	CODE 16-17	TOT. EST. W/I OCC. (P.O.) [*] 18-20	TOT. EST. AT RISK 21-23	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
PAINTER	16	004	004	TOTAL		004		
350 PAINTER	16			TOLUENE	2460	004		
PAINTER	16			NAPHTHA	2037	004		
PAINTER	16			UNITED LACQUER CO., LINDEN, N.J. LACQUER THINNER	5110	004		
PAINTER	16			PAINT MIST	5180	004		
SPOT WELDER	24	006	006	TOTAL		006		
SPOT WELDER	24			WELDING GASES	5380	006		
SPOT WELDER	24			T.R.	8380	006		
SPOT WELDER	24			IRON FUMES	1520	006		
SPOT WELDER	24			AL FUMES	0160	006		
C/MAKER	99		003	TOTAL		003		
C/MAKER	99			PHOSPHORIC ACID	2085	003		
GRINDER	08	001	001	TOTAL		001		
GRINDER	08			IRON DUST	1520	001		
GRINDER	08			AL DUST	0160	001		

TOTAL THIS

PAGE: 141 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

1

CONTINUED NEXT PAGE

2

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 2 OF 3

WESTINGHOUSE ELRC CORP GETTYSBURG

CARD CODE 2STATE CODE 42COMPANY NUMBER 300151

EMPLOYEES		TOT. EST. W/I OCC. (P.O.)*		EXPOSURES				
DESCRIPTION	CODE 16-17	18-20	21-23	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
SANDER	08	001	001	TOTAL		001		
	08			AL DUST	0160	001		
	08			FUSED SILICA	9013	001		
INSUL. AT WORK	99		002	TOTAL		002		
PA North	99			ASBESTOS*	9020	002		
PA Histo	99			FIBROUS GLASS	1300	002		
(CENTRAL) GRINDER	08	001	001	TOTAL		001		
	08			oil MIST	5010	001		
WORKER MAINTENANCE	99		002	TOTAL		002		
	99			WELDING GASES	5380	002		
	99			U.V.	8370	002		
	99			I.R.	8370	002		
	99			IRON FUMES	1520	002		
MACHINIST	12	050	050	TOTAL		050		
	12			NOISE INTER.	8120	050		

TOTAL THIS

PAGE: 561 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

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CONTINUED NEXT PAGE

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WESTINGHOUSE ELECT. CORP., GETTYSBURG.

CARD CODE 2

STATE CODE	8-9	
	4	2

COMPANY NUMBER 10-15
300151

[illegible]

TOTAL THIS

PAGE:

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

TOTAL AT RISK

37-40

CONTINUED NEXT PAGE

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EMPLOYEES	73	COUNTY	65
MALE	70	IND. CODE	
FEMALE	145		
TOTAL			36

REGION V
PROD. MFG. OR SERVICE Mica Insulations
& Chemical Mixes for bonds
DATE OF ACTIVITY Feb. 14, 1969

FIELD ACTIVITY REPORT

PLANT Westinghouse Electric Corp. (Mica Plant)

ADDRESS Box U, Irwin, Penna. ZIP 15642 PHONE 412-863-7000

PERSON INTERVIEWED Mr. Watson TITLE Asst. Supt.

PURPOSE: INVEST.; SURVEY; INSPECT; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.

SAMPLES COLLECTED _____ TOTAL _____
(NO. & KIND)

DETERM. MADE _____ TOTAL _____
(NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND _____

PUNCH CARD YES ☒ NO ☐ FOLDER YES ☒ NO ☐

REMARKS:

Changes on front: - Physician - Dr. Roland Keddle (on call), 101 Clay Pike Road.
Nurse - Mrs. Criner, R.N. (full time). Safety Supervisor - Mr. Rhodes - Supervisor
of Industrial Relations. Rec. of substituting for benzene accomp.

Operation	Hazard	Control
<u>Molding Dept.</u>		
Cutting Fiberboard	Fiberboard dust	Unit has LEV to outside
Preheating molds	Conv. & rad. heat	G.V. in area
(El. 200°F)		
Coating Mold	"Crisco" mist	G.V. Minimal amount of mist present
	(veg. oil)	
	Dermatitis	Per. Hyg.
Sanding	As on P/C plus	As on P/C
	Al ₂ O ₃ dust	
<u>Bonding Dept.</u>		
Enclosed Mining	As on P/C	As on P/C plus BM 2301 resp.avail.
Grinding	Epoxy resin dust	Unit has L.E.V. to outside collector
Plate making	As on P/C	As on P/C
(El-200°F)		
Drying	do.	Unit has L.E.V. to outside
Stripping	NaOH mist	Enclosed unit with L.E.V. to outside

Occ.oper. BY D. A. Klimchok & M. Choby
WINS 3.5

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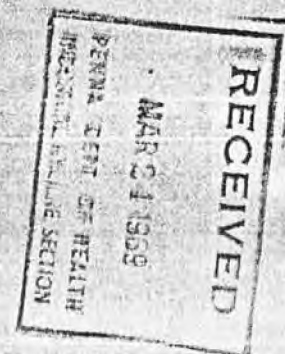
<u>Operation</u>	<u>Hazard</u>	<u>Control</u>
New Sec. 3-D Shearing	Fiberglas dust Dermatitis	G.E.V., Area A/C Per. hygiene plus barrier creams and gloves avail.
Setting up mold	MEK peroxide & epoxy resin mist Fiberglas dust P.V.A. vapor Dermatitis	L.E.V. - Trunk exhaust Vent. to outside Occas. oper. Brush applied do. & wetted by above L.E.V. to outside Per. hyg. Protective gloves & barrier creams
Drilling & Sanding	Wood & Al ₂ O ₃ dust	L.E.V. to outside collector
Forming mold	Plaster dust Dampness	G.E.V. - in wetted form B.M.2169 Dust resp. avail. G.V.

R & O Lab - Basic chem. used. Hood with L.E.V. to outside

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PA Historical & Museum Commission



OPERATION	HAZARD	CONTROL MEASURE
Enclosed mixing (continued)	Sodium Cyanide dust Talc dust "Cab-o-sil" Dust (Cabot Cor., N.Y.) Sodium silicate mist Dermatitis	P. P. Equipment Organic vapor respirator Rubber gloves & aprons Personal hygiene
Grinding	Shellac dust	Local exhaust & cyclone collector
Plate making Dept. 2 lines of Plate machines	Mica dust Shellac dust Acetone vapor Heat Carbon monoxide	Local exhaust - 1600 LFM at enclosure Automatic operation
Presses 7 Units	Heat	Ceiling exhaust fans
Hand plate molding Special work	Alcohol vapor Shellac mist Mica dust	Genl. vent.
Steam table	Heat Alcohol vapor Shellac mist	Canopy hoods with with exhaust fans
#2 Tape machine	Mica dust Toluene vapor Heat Shellac mist	L. E. slot vents on each side of table Enclosure & L. E. for beater roll 1600 L F M
Cutting Tape	Mica dust Shellac dust	Local exhaust with wet collector

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PA Historical & Museum Commission

Report of Visit to
Westinghouse Electric Corporation
Mica Products Division
P.O. Box 472
Irwin, Pennsylvania

Hehner } FHM
McBride } see
page 2
7.4

On June 9, 1959, a visit was made to this plant for the purpose of introduction to our service. This plant manufactures the tape which is used to wrap the coils on generators. Plant population which was formerly around 500 has now dropped to 162 workers.

The health service consists of a nurse's office and large treatment room. The facility is adequate for the small number now employed.

Mr. Frank Steinle, Industrial Relations Supervisor, was very gracious and discussed at length some of the labor problems which he encounters. He feels that the trend toward automation has caused much anxiety on the part of the employees and that they are unduly alarmed since the progress toward automation proceeds very slowly. He stated that in Westinghouse Corporation, automation is chiefly confined to the new plants. This does not displace workers already employed. He believes that their employees still view with suspicion much of management's efforts to provide good health care in the plant.

Mrs. Jane Sloan, plant nurse, has been employed for 9 years. Drs. Koosei and Gross are the physicians-on-call. They do not visit the plant. Employees are sent to their office for pre-employment physical examinations. Mrs. Sloan operates under medical directives signed by Dr. Frank Gray at the East Pittsburgh plant.

Mrs. Sloan does not belong to any professional organization and has become somewhat isolated from professional contacts. She does not know the nurses in the two Westinghouse plants in the same vicinity.

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350 North Street, Harrisburg, PA 17120-0090

PA HISTORICAL & RESEARCH COLLECTION

OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN)

1. ESTABLISHMENT—NAME, ADDRESS, ZIP CODE <i>Westinghouse Electric Corp 107 Station Street Johnstown, Penna 15905</i>	2. PERSON INTERVIEWED—NAME, TITLE, TEL. NO. <i>Mr. Chester Parks Plant Supt. # 814-288-1559</i>
SAFETY SUPERVISOR: <i>none</i>	
LEGAL OWNER—NAME, ADDRESS. <i>Corp (Westinghouse Ele., Pittsburgh)</i>	

3. CARD CODE	1	2-3	4-5	6-7	8-9	10-15
DATE	01	05	71	STATE CODE	42	COMPANY NUMBER
						16
7. (1) ORIGINAL INSPECTION - STATE & NSN						2
(2) Original Inspection - NSN						
(3) Reinspection - NSN						
8. What is your Chief Product or Service? <i>Electric Motor Repair</i>						17-20
						SIC
						3629
9. SIZE CODE? (Based on Total Number of Employees)						21
(1) 1-3 (3) 8-19 (5) 50-99 (7) 250-499 (9) 1,000 +						4
(2) 4-7 (4) 20-49 (6) 100-249 (8) 500-999						
10. HOW MANY SHIFTS DO YOU HAVE? <i>one</i>						22-26
						00020
11. HOW MANY PEOPLE ARE ON THIS PLANT'S PAYROLL AT THE PRESENT TIME?						27-31
12. OF THIS NUMBER, HOW MANY ARE NORMALLY IN THE WORK AREA AS OPPOSED TO THE OFFICE OR OUTSIDE AREA?						00016
13. OF THOSE IN THE WORK AREA WHAT APPROXIMATE PERCENTAGE IS MALE?						32-33
						99
14. DOES THIS PLANT DO FEDERAL CONTRACT WORK?						34
(1) Yes, Prime Contractor, (3) No, (2) Yes, Subcontractor, (4) Don't Know.						3
15. A. DOES YOUR COMPANY EMPLOY AN INDUSTRIAL HYGIENIST? (1) Yes, at this Plant, (2) Yes, at Corporate Hq., (3) Yes, Consultant, (4) No.						35
						4
His Name, Address and Telephone Number:						36-37
						00
B. ESTIMATE THE AVERAGE NUMBER OF INDUSTRIAL HYGIENE MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						38
16. A. DO YOU HAVE AN AGREEMENT WITH A PHYSICIAN TO GIVE YOUR EMPLOYEES EMERGENCY OR OTHER MEDICAL CARE? (1) Yes, Full Time, (2) Yes, Part Time, (3) Yes, On Call, (4) No.						4
His Name, Address and Zip Code:						39-40
						00
B. ESTIMATE THE AVERAGE NUMBER OF PHYSICIAN MAN-HOURS THAT ARE DEVOTED TO YOUR PLANT PER WEEK.						41
17. A. DO YOU HAVE A REGISTERED NURSE IN YOUR FACILITY AT A REGULAR TIME? (1) Yes, R.N., (3) Yes, Both, (2) Yes, L.P.N., (4) No.						4
B. ESTIMATE THE AVERAGE NUMBER OF NURSING MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK.						42-44
						000

CENTRAL OFFICE COPY

400-030

PART 1 PAGE 2

18. A. DO YOU HAVE AN EMPLOYEE RESPONSIBLE FOR GIVING FIRST-AID WHEN NO DOCTOR OR NURSE IS PRESENT?
(1) Yes, (2) No, (3) Not Applicable
- B. DOES HE HAVE ANY FORMAL FIRST-AID TRAINING?
(1) Yes, Red Cross (3) Yes, Other (5) Don't Know
(2) Yes, Armed Serv. Medic (4) No (6) Not Applicable
19. A. WHEN YOU HIRE A NEW EMPLOYEE, DO YOU RECORD INFORMATION FROM HIM, ABOUT HIS HEALTH, ON SOME REGULAR FORM?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No.
- B. BEFORE YOU HIRE A NEW EMPLOYEE, DO YOU REQUIRE HIM TO TAKE A MEDICAL EXAMINATION?
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No.
20. A. DO YOU PROVIDE PERIODIC MEDICAL EXAMINATIONS FOR YOUR EMPLOYEES IN HAZARDOUS JOBS?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable
- B. DO YOU PROVIDE PERIODIC AUDIOMETRIC EXAMINATIONS FOR YOUR EMPLOYEES THAT ARE EXPOSED TO NOISE?
(1) Yes, Adequate (2) Yes, Inadequate, (3) No, (4) Not Applicable
- C. DO YOU PROVIDE PERIODIC BLOOD AND URINE EXAMINATIONS FOR YOUR EMPLOYEES WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable
- D. DO YOU PROVIDE PERIODIC PHYSIOLOGICAL FUNCTION TESTS (Excluding Audiograms) WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable
- E. DO YOU PROVIDE PERIODIC CHEST X-RAYS WHERE APPROPRIATE?
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable
21. DO YOU HAVE AN IMMUNIZATION PROGRAM?
(1) Yes, (2) No.
22. ARE YOUR EMPLOYEE ABSENTEEISM RECORDS
A. (1) Not Kept, (2) Kept, without Showing Nature of Absence, (3) Kept, Showing Nature of Absence,
(4) Kept, Showing Nature of Sickness
- B. WHAT IS YOUR AVERAGE ABSENTEE RATE? (Days/Year/Employee)
(Don't Know Coded as 99)
23. DOES YOUR COMPANY HAVE A FORMAL SAFETY PROGRAM?
(1) Yes, (2) No.
24. IS YOUR WORKMEN'S COMPENSATION INSURANCE CARRIED WITH AN INSURANCE COMPANY OR ARE YOU SELF INSURED? (1) Insurance Company (Name) _____
(2) Self Insured, (3) State Insurance Fund, (4) None.
25. IN YOUR ESTABLISHMENT, DO YOU FEEL THAT THERE ARE ANY HEALTH HAZARDS, EVEN IF YOU HAVE THEM UNDER CONTROL? (1) Yes, (2) No.
WHAT KINDS _____
OF HAZARDS? _____
26. HAVE YOU HAD ANY OCCUPATIONAL DISEASE IN YOUR PLANT IN THE LAST YEAR?
(1) Yes, Dermatitis (3) Yes, Combination (5) Don't Know.
(2) Yes, Other (4) No
27. HOW MANY YEARS HAS THIS TYPE OF WORK BEEN CONDUCTED IN THESE FACILITIES?
(1) 0-5 (3) 11-20 (5) 31-50
(2) 6-10 (4) 21-30 (6) Greater Than or Equal to 51
28. HOW MANY HOURS DOES IT TAKE TO INSPECT THIS PLANT?
29. HOW OFTEN (in Years) SHOULD THIS PLANT BE ROUTINELY INSPECTED?

45

2

46

6

47

1

48

1

49

4

50

4

51

4

52

4

53

4

54

2

55

2

56 - 57

99

58

2

59

2

60

2

61

4

62

4

63 - 64

02

65

2

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PA Historical & Museum Commission

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400-030

30. THIS PLANT HAS A HEALTH CONDITION(S) WHICH WARRANTS INVESTIGATION:

(1) Immediately (2) Within One Year. (3) ~~No~~ Warranted

66

3

31. NUMBER OF CONTROL RECOMMENDATIONS MADE AS A RESULT OF THIS INSPECTION:

67-68

00

32. (1) ~~Self Initiated~~, (2) B.O.S.H Request, (3) Complaint

69

1

33. A. AIR RECIRCULATION:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Conditional Approval (4) ~~No~~

70

4

B. ARTICLE 434:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Conditional Approval (4) ~~No~~

71

4

C. ARTICLE 436:

(1) Yes, Registered (3) Yes, Not Registered
(2) Yes, Partially Registered (4) ~~No~~

72

4

D. CONFINED SPACE ENTRY:

(1) Yes, Complete Approval (3) Yes, No Approval
(2) Yes, Partial Approval (4) ~~No~~

73

4

E. REGION CODE:

4-11

74-76

411

34. TOTAL AT RISK: (From Part II)

77-80

0014

REMARKS:

Main operations are general machine shop operations.

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PA Historical & Museum Commission

INSPECTED BY:

ANDREW J. MAJER *(0-026)

W.I.N.'s

1.5

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 1 OF 4CARD CODE 2STATE CODE 42COMPANY NUMBER 400030

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/1 OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
Mechanist	12	007	007	(Total)		007		
	12			Noise (Cont.)	8110	007		
	12			Noise (Int.)	8120	007		
	12			Noise (Imp)	8130	007		
	12			Pet. Naphtha	2037	007		
	12			Stoddard Solv.	2270	007		
	12			Oil Mist.	5010	007		
	12			Silica Dust	9010	007		
	12			Mico	9075	007		
	12			Welding gases	5380	002		
	12			Iron + Comp	1520	002		
	12			Mng + Comp	1620	002		
	12			I.R	8380	002		
	12			U.V.	8370	002		
	12			Fluorides	1280	002		

TOTAL THIS

PAGE: 7

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

++

CONTINUED NEXT PAGE



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 2 OF 4CARD CODE 2STATE CODE 42COMPANY NUMBER 400030

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/I OCC. (P.O.) ^a	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
Machinists (cont'd)	12	+	+	Heat Stress-Dry	8320	002	+	+
	12	+	+	Caustic Cleaner Mist	5250	002	+	+
	12	+	+	Drilling Fluid Mist	5330	007	+	+
	12	+	+	Corundum	0160	007	+	+
	12	+	+	Corundum	0160	007	+	+
Fork Lift. Op.	06	001	001	(Total.)	-	001	+	+
	06	+	+	CO.	0560	001	+	+
	06	+	+	Ex. of Diesel Comb.	1240	001	+	+
	06	+	+	Ex. of Gasoline Comb	1260	001	+	+
	06	+	+	Noise (Int.)	8120	001	+	+
	06	+	+	Noise (Imp)	8130	001	+	+

TOTAL THIS

PAGE: 11 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

--	--	--

CONTINUED NEXT PAGE



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN) PART II

PAGE 3 OF 4

OCCUPATIONAL HEALTH

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PA STATE ARCHIVES

CARD CODE ¹
2STATE CODE ⁸⁻⁹
4 2COMPANY NUMBER ¹⁰⁻¹⁵
400030

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/I OCC. (P.O.)*	TOT. EST. AT RISK	HAZARD	HAZARD CODE 24-27	A 28-30	M 31-33	I 34-36
DESCRIPTION	CODE 16-17	18-20	21-23					
Electrician	62	+	004	(Total)	+	004	+	+
	62	+	+	Noise (Int.)	8120	004	+	+
	62	+	+	Mica	9075	004	+	+
	62	+	+	Oil Mist	5010	004	+	+
	62	+	+	Corundum	0160	004	+	+
	62	+	+	Electrical Shock	8870	004	+	+
	62	+	+	Tin Oxide Fumes	2432	004	+	+
	62	+	+	Lead & Comp	1590	004	+	+
	62	+	+	HCL	1430	004	+	+
	62	+	+	Stoddard Solv.	2270	004	+	+
	62	+	+	Copper dusts, Fumes	0730	004	+	+
	62	+	+	Glue Vapors	5350	004	+	+
	62	+	+	Noise (Imp)	8130	004	+	+

TOTAL THIS

PAGE: 41 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40

+	+	+
---	---	---

CONTINUED NEXT PAGE



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Plaza Street

PA STATE ARCHIVES

CARD CODE

1
2

350 North Street, Haverhill

STATE CODE

4	2
---	---

10-15
COMPANY NUMBER 400 030

[illegible]

TOTAL THIS

PAGE:

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY

41

1

TOTAL AT RISK

37-40			
0	0	1	4

CONTINUED NEXT PAGE

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*Betty - PC*REGION IVPROP. MFG. OR SERVICE
Electric motor repair

FIELD ACTIVITY REPORT

DATE OF ACTIVITY 6/25/70

PLANT

Westinghouse Electric Corp.

ADDRESS

Johnstown

ZIP

15905

PHONE

814-288-1559

PERSON INTERVIEWED

Mr. Chester Parks

TITLE

Plant supt.

EMPLOYEES

MALE 16FEMALE 2TOTAL 18

IND. CODE

36

COUNTY

11PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN - - - VERBAL	YES	NO	IN PROG.

SAMPLES COLLECTED
(NO. & KIND)

TOTAL

DETERM. MADE
(NO. & KIND)

TOTAL

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD

YES



NO



FOLDER

YES



NO



REMARKS:

Update P.C. 7/68 and F.A. of 7/69. No major changes of plant operations. Has a small metalizing unit, totally enclosed and LEV to outside collector; but very seldom used. Main operations are basic machine shop work. Still uses perchloroethylene for sporadic degreasing and used in controlled tank being LEV. Observed approved B.M. MSA brand dust and paint respirators are available to all employees.

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Sum
*6/13/70*BY A.J. Majer

RIH

*RB*WINS 1.5

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH
FIELD ACTIVITY REPORT

Betty, P.C.

EMPLOYEES	COUNTY
MALE <u>17</u>	<u>11</u>
FEMALE <u>1</u>	IND. CODE
TOTAL <u>18</u>	<u>36</u>

REGION IV
PROD. MFG. OR SERVICE Electric Motor Repairs
DATE OF ACTIVITY July 31, 1969

PLANT Westinghouse Electric Corp.
ADDRESS 107 Station Street, Johnstown ZIP 15905 PHONE 814-288-1559
PERSON INTERVIEWED Mr./ Chester Parks TITLE Plant superintendent

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.

SAMPLES COLLECTED _____ TOTAL _____
(NO. & KIND)

DETERM. MADE _____ TOTAL _____
(NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND _____

PUNCH CARD

YES ☒

NO ☐

FOLDER

YES ☒

NO ☐

REMARKS:

Update punch card dated 7/68. Plant superintendent is aware of our requirements and also the company demands adequate controls. Plant is self-insured. No air recirculation units noted.s

ADDITIONS:
OPERATION

Metalizing shafts
(steel build-up)
(seldom done)

HAZARD

iron oxide fumes
heat
noise
smoke

CONTROL

Enclosed, local exhaust to
outside - limited operation
Protective clothing
respirators worn
semi-automatic operation

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Scanned
10/7/69

BY A.J. Majer

RIH RB

WINS 1.5

<u>OPERATION</u>	<u>HAZARD</u>	<u>CONTROL MEASURE</u>
spray painting	pigment mists & particles Xylene & Toluene vapor dermatitis illumination	hooded local exhaust vent floor & wall fans approved paint respirator (MSA) filtered exhaust to outside protective clothing, glasses personal hygiene good lighting & housekeeping
trucking equipment & high lift operation	silica dust on parts dermatitis (oil contact) carbon monoxide gas Aldehydes, Ozone Oxides of nitrogen illumination noise in area	some outside operation general ventilation limited operation sporadic exposure good motor maintenance motors shut off good lighting
drying ovens	heat, natural gas carbon monoxide gas paint vapors Toluene & Xylene vapors illumination	enclosed local exhaust vent isolated area wall & floor fans sporadic exposure good lighting
packing & storage	silica dust on boxes & parts paper dust illumination	general vent wall & floor fans sporadic exposure limited operation good lighting

* Varnish or epoxy dipping?

* If Varnish dipping, - tank entry?

* Has a limited dipping operation. Uses a Westinghouse trend #321-02-CY-01B Varnish, a small open tank (no tank entry of persons) having exhaust fans, (walls ceiling) Done two times a day; (about 1 minute to lower by distant electric hand crane and 1 minute to raise). No personnel exposure during soaking. No dermatitis from this operation. Different employees do this operations (one of four).

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PA Historical & Library Commission

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF INDUSTRIAL HYGIENE

PLANT INFORMATION RECORD

PLANT Westinghouse Electric Corporation (Steam Division)

ADDRESS Lester Branch, P. O. Philadelphia 13

Lester, Pennsylvania

PRODUCT OR SERVICE Steam Turbines

PERSON INTERVIEWED Carl E. Merris, Supervisor, Accident Prevention

PHYSICIAN

DENTIST none

See Attached Sheet

*Please follow -
Page #10*

NURSE

SAFETY SUPERVISOR Carl E. Merris

INDUSTRIAL HYGIENIST A. Spiker (Headquarters in Pittsburgh)

INSURANCE CARRIER Self insured

LEGAL OWNER Westinghouse Electric Corporation

RECOMMENDATIONS See attached sheet.

REMARKS See attached sheet.

TYPE OF VISIT Inspection

DATE Aug. 13-27/1962 BY Szabo

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

PERSONNEL

RECOMM.

SURVEY

CONTROL MEASURES

HAZARDS

OPERATION	HAZARD	CONTROL MEASURE
Receiving Dept.	steel, wood, paper, dust	general ventilation
	dermatitis	personal hygiene
Cut off saws	steel, dust, cutting oil	general ventilation
	mist	
	dermatitis	personal hygiene
Heavy machining department (Buildings O-P, Q, R, S)		
Drill Presses)	steel dust	general ventilation
lathes (	cutting oil mist	
boring mill (		
cut off saw)	dermatitis	personal hygiene
annealing		
annealing furnace (2)	heat, CO, CO ₂ gas	enclosed operation
gas fired 1500°F	dermatitis	personal hygiene
shot blasting room	steel, silica dust	enclosed, local exhaust
	noise	air line respirator
grinding	steel, silicon car-	
	bide dust	local exhaust
	dermatitis	personal hygiene
protective coating	red lead oxide paint	respirators
	pigment mist	
	thinner vapor & mist	general ventilation
degreasing	trichloroethylene	general ventilation
	vapor and mist	respirators
	dermatitis	personal hygiene
chipping	steel dust, noise	general ventilation
	dermatitis	personal hygiene
welding		
electric)	Iron oxide fumes, U.V., I.R.	welder's helmet
Acetylene (	heat, ozone, CO, CO ₂ gas	general ventilation
Helium	Oxides of nitrogen	flexible hose
Submerged Arc)	fluorides	local exhaust
Heat treating		
gas heated 1500°F	heat, CO, CO ₂ gas	enclosed operation
	dermatitis	personal hygiene
Oil quenching	heat, CO, CO ₂ gas	general ventilation
	smoke, oil mist	
	dermatitis	personal hygiene
sand blasting units	silica dust	enclosed, locally exhausted
	noise	air line respirators
nitrating units	ammonia gas, hydrogen	local exhaust
	and nitrogen gas	ventilation
salt bath furnaces	Houghton's liquid heat	enclosed
	NO ₂ mist & vapor	local exhaust
	dermatitis	personal hygiene
tool cutting & grind-	steel dust, silicon	general ventilation
ing shop	carbide dust, noise	
	dermatitis	personal hygiene
chrome plating tank	chromic acid mist	local exhaust
	chromate vapor & mist	
	dermatitis	personal hygiene
Hydride tank	hydride salt fumes	local exhaust
1900°F	heat, dermatitis	personal hygiene

PA STATE ARCHIVES
3000 S. 3rd St.
PHILADELPHIA, PA 19104

Albanus
*7 file*REGION I
PROD. MFG. OR SERVICE steam turbines

FIELD ACTIVITY REPORT

(Occupational Health)

DATE OF ACTIVITY 12-15-7112-27-71 1-4-72

Complaint #205

PLANT

Westinghouse Electric Corporation Lester Power Generation Div.

ADDRESS

Lester

ZIP CODE

19113

TELEPHONE

595-2362

PERSON INTERVIEWED

Andrew Porto, Mel Whittington; Shop Steward; Supv. Accident and Prevention

TITLE

EMPLOYEES

MALE

FEMALE

TOTAL 8600

IND. CODE

35

COUNTY

Del. - 23

PUNCH CARD

YES ☒NO ☐

FOLDER

YES ☒NO ☐

N.S.N.

YES ☐NO ☒PURPOSE: INVEST.; SURVEY; INSP.; PRELIM.; F.U.; CONF.; VISIT; OTHERREASON: SELF-INIT.; P.D. REP.; COMPL.; REQUEST; SOURCE Mr. Porto

SAMPLES COLLECTED

(NO. & KIND)

TOTAL

DETERM. MADE

(NO. & KIND)

TOTAL

MEDICAL - O.D. REPORTED, NO. & KIND

RECOMMENDATIONS AND REMARKS

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS		ACCOMPLISHED		
		WRITTEN ... VERBAL		YES	NO	IN PROG.
Smoke-fume	600	pending investigation				
welding fume	80	R-9-3-71				
B-plant, C-aisle		make-up air				x

12-15-71

Mr. Porto called concerning the following:

Smoke and fumes are escaping from the adjoining forge shop into the blade shop (where he works). He has put in two grievances but no action has been taken by the company. Mr. Porto was asked to submit complaint in writing. Due to previous contact with plant concern this area investigation will be scheduled before receiving written complaint.

12-22-71- Visited plant

Talked with Mr. Whittington who said plant was only working mne-half day because of Christmas holiday. Porto not working during visit. Only one hammer was working in forge shop. At this time the forge shop did not appear to present any problem. The forge shop has 5 furnances (gas) with thermal exhausts, 6 forge hammers and a Salt bath @1850°. The shop is scheduled to be phased out by the end of 1973. It seems that the problem is as follows: The building would be comparable to a split level with the forge shop the single level and the blade shop and another machining area on the double area.

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RIH

Westinghouse Electric Corporation
12-15-71, 12-22-71, 1-4-72

It seems that this other machine shop which is above the blade shop is serviced by ventilation system with a large capacity. This creates a negative pressure in the rest of the building. Air flow is from the forge shop thru the blade shop to the 2nd floor machine shop. In effect this brings any contaminants generated in forge shop into blade shop thus the complaints. Since forge shop was not in full operation another visit will be necessary.

1-4-72

I.H. revisited plant to speak with Mr. Porto and get more information on the complaint. Also received a written petition-type complaint concerning this area (copy attached). Porto complained of gas and smoke in the blade shop coming from the forge shop. He said he and others have experienced watery eyes and severe headaches. He also noted that manufactured tools left in the area become coated. There are two furnaces in the area (gas-fired) and these along with a "Radiac" sawing operation contributes to the problem. According to the union they have repeatedly filed grievances to no avail. Also mentioned by Porto was the fact that the employees in the forge shop itself had filed complaint. Other areas which contribute to the problem include a welder (day shift) with no ventilation and pickle tanks using HCl , H_2SO_4 , HNO_3 . (145-160°) Smoke is generated in the forge shop when hammers hit blade. There is a buildup of smoke in the area and this passes into the blade shop. The company plans to install additional general dilution ventilation and tight swinging doors between the forge and blade shop. Without the benefit of all information on the capacity of the ventilation systems in the building to be submitted at later date by company I.H. feels problem is due to negative pressure (lack of make-up air), and/or insufficient general dilution ventilation in the forge area. At this time appropriate recommendations will be made (make-up air, additional GDV etc), and surveys may be conducted at the hammers for smoke and in the entire area for CO. The union has requested a copy of any report to the company.

Also questioned Whittington about status of recommendation of 9/3/71 concerning make-up air being supplied to the B-plant, C-aisle welding area. He said that bids were being received at this time for the engineering aspects of the system.

1-13-72

Received additional information (copy attached) requested from the company concerning dimensions of areas in question and capacities of ventilation systems serving these areas. Further information regarding make-up air to these areas still needed for complete evaluation. Company will be contacted for this information.

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PR. 5-12-1904

350 Pages

Mr. Leon Gonshor

We the undersigned;;Employees of the blade and tool shop
Westing house Corp. do call upon you to investigate the
following;

- A. Excessive smoke emissions from the forge shop into other areas of the blade shop.
- B. Salt pot furnaces in the forge shop unequipped with exhaust blowers.
- C. Excessive gas fumes escaping from gas fire furnaces.
- D. Improper ventilation throughout the blade shop.

We would greatly appreciate your looking into these matters as soon as it is possible.

Thank You

Andrew J. Porto Shop Steward

Thomas J. Price Asst. Chief

UE. Local 107

J H Coster 15

S. E. Hardy

Wm. F. White.

A. Harrison

R. L. Carter

Q. Taddi

J. S. Tophel

68 is Bndk

Chas. J. Golder

Leo E. Sharkey

Michael Soutko

Philip H. Bergolino

Robert Langford

Harold Wack

AR Rolland

T. Pym

S. D. Brakow.

James A. [Signature]

H. Welch

JB Kennedy

A. E. Helsel

S. Comisak

J. Del Rocco

Curtis Watkins Jr.

F. J. Richetto

over

Lucie Hick p

John F.inder

Robert S. Mullins

James R. Mason

Some will be

COMMONWEALTH OF PENNSYLVANIA



THOMAS W. GEORGES, JR., M.D.
SECRETARY OF HEALTH

DEPARTMENT OF HEALTH
1400 West Spring Garden Street
Philadelphia, Pennsylvania 19130

(215) 238 6730

March 5, 1970

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania 19113

Attention: Mr. M. Whittington
Supervisor/Accident Prevention

Gentlemen:

On February 27, 1970 an investigation was conducted in your plant regarding employees' exposure to smoke in the L-3 machine area. The investigation was conducted by Wesley E. Straub, industrial hygienist. As a result of this investigation, the following recommendations are made.

1. Institute a program of periodic maintenance for the general dilution ventilation systems in the forge area. This program should include inspection, cleaning and repair of motors, duct work and fans.
2. Insure that the general dilution ventilation system in the forge area is functioning at all times.
3. Isolate the L-3 machine area from the forge area by installing doors between these areas and/or provide additional tempered make-up air. The make-up air should be supplied at a rate equal to that at which air is exhausted.

Please notify this office within 30 days concerning the steps you have taken to carry out these recommendations.

Our Hygienic Information Guide entitled "Ventilation" and Article 432, as revised, are enclosed.

Very truly yours,

Leon T. Gonshor
Regional Industrial Hygienist
Human Services - Region I

LTG/WES/p

Enclosures

PA 31111-1000
350 North St. Philadelphia, PA 19106-0000
PA Historical & Museum Commission

REGION VII
 PROD. MFG. OR SERVICE
Steam Turbines
 DATE OF ACTIVITY 2/4/68

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF HEALTH
 OCCUPATIONAL HEALTH
 FIELD ACTIVITY REPORT

EMPLOYEES
 MALE
 FEMALE
 TOTAL 8000
 COUNTY
Delaware
 IND. CODE
3500

PLANT Westinghouse Electric Co., Steam Division
 ADDRESS Lester, Pa. ZIP 19113 PHONE 215-595-2362
 PERSON INTERVIEWED Clark Glacer TITLE Safety Engineer

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; Visit

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.
<u>Silica dust</u>		<u>None</u>	<u>See remarks</u>		

SAMPLES COLLECTED 1 casella, generated dust TOTAL 2
1 bulk settled dust
 (NO. & KIND)

DETERM. MADE
 (NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD YES ☒ NO ☐ FOLDER YES ☒ NO ☐

REMARKS:
A visit was made to the above plant to collect samples for Ron Richards.

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BY W. Chrostek RTH LTG

WINS .5

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Report of Survey

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Following a request by Mr. Carl E. Merris, supervisor of accident prevention, a survey was conducted on 30 December 1964 to evaluate employees' exposure to dust. Mr. Merris accompanied the industrial hygienist during the survey.

Detailed Findings

This plant is engaged in the manufacture of steam turbines. The survey was conducted at a local exhaust ventilated abrasive (sand) blasting room located in "U" building.

One employee is responsible for the operation of this unit. He is under medical supervision, receiving annual chest X-ray examinations. An approved abrasive blasting helmet is worn by the operator when inside the unit. He is engaged in sand blasting for approximately half of his working day.

Atmospheric samples for determination of dust concentrations were collected in the vicinity of the abrasive blasting unit by means of midget impingers. Distilled water was used as the collecting medium. Dust counts were made microscopically using a standardized light-field technique and the results are given in Table 1.

A particle size determination was made microscopically on an additional air sample collected with a membrane filter. The result (Table 2) indicates that the dust is respirable and capable of being retained in the lungs.

A sample of settled airborne dust was collected in the sand blasting area. This sample was analyzed for free silica content and the result is presented in Table 3. The threshold limit value for dust, based on exposure for an 8-hour working day, is determined from this datum by the formula: Threshold limit value, in millions of particles per cubic foot of air, =

$$\frac{250}{\% \text{ free silica} + 5}$$

The free silica content of the settled airborne dust in the sand blasting area was 66 percent. The threshold limit value for dust containing this amount of free silica is 3.5 million particles per cubic foot of air (mppcf).

Dust concentrations in the general work area prior to and during sand blasting ranged from 0.8 to 1.9 mppcf. These concentrations indicate that employees' exposure to dust is less than the threshold limit value.

The dust concentration in the general work area following sand blasting was 6.2 mppcf. It was visually noted at this time that the door to the sand blasting unit was ajar and that a considerable amount of dust emanating from the unit contaminated the work area. The door to the sand blasting unit should be kept closed at all times.

The dust concentration inside the sand blasting unit immediately after blasting was 9.1 mppcf. This indicates that the employee should be required to wear an approved [respiratory protection device] whenever he is inside this unit. In addition, a periodic maintenance program should be established for the exhaust ventilation system attached to this unit in order to insure that it is operated at maximum efficiency.

Tables of dust concentrations, particle size data and free silica content of dust follow.

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 1

Dust Concentrations

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Location	Dust * (millions of particles per cubic foot of air)	Remarks
Sand blasting area "U" building	1.0	Vicinity of sand blasting room, before blasting
	0.8	Vicinity of sand blasting room, feeding of unit with sand
	0.8	
	1.9	Vicinity of sand blasting room, during blasting
	9.1	Inside sand blasting room, immediately following blasting
	6.2	Vicinity of sand blasting room, after blasting, door to unit was ajar.

- * Threshold limit value, based on exposure for an 8-hour working day -
3.5 million particles per cubic foot of air.

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 2

Particle Size Data

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Location	Median particle size	Standard Deviation
Sand blasting area "U" building	0.47	1.40

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 3

Free Silica Content of Dust

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Source of sample

Free silica
(percent)

Sand blasting area
"U" building

66

Survey by -

Paul J. Kennedy
Industrial Hygienist

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Report of Survey

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

A survey was conducted on 30 December 1964 to re-evaluate employees' exposure to fluoride fume and to evaluate exposures to iron oxide fume and silica dust. The survey was made with the cooperation of Mr. Carl Merriis, supervisor of accident prevention.

Detailed Findings

This plant is engaged in the manufacture of steam turbines. The survey was made in "B" building during welding and sand blasting operations.

Fluoride and Iron Oxide

The threshold limit values for fluoride and iron oxide fumes, based on exposure for an 8-hour working day, are 2.5 and 15 milligrams per cubic meter of air, respectively.

A previous survey to evaluate exposures to fluoride was conducted during the period 18 March 1961 to 25 April 1962. The results of that survey indicated that exposures to fluoride could exceed the threshold limit value when the welders were so positioned that welding fumes passed directly through their breathing zones and when welding was performed in confined spaces without exhaust ventilation.

Recommendations to reduce exposures in these instances were made in our letter and report of survey dated 19 July 1962. A description of the facilities and operations was also included in that report and will not be included here.

Membrane filters were utilized to collect samples of the work atmosphere for re-evaluation of fluoride exposures. In addition, aliquot portions of these samples

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were used to determine airborne iron oxide concentrations.

Three sampling procedures were employed. Simultaneous samples were collected inside and outside employees' welding helmets, samples were collected in the general work area and individual employees were equipped with portable sampling devices. The latter procedure affords a means of obtaining an integrated sample which would be representative of the employee's average exposure.

Average fluoride and iron oxide concentrations were as follows:

Fluoride (milligrams per cubic meter of air)	Iron Oxide	Remarks
1.86	5.81	Outside helmet, no exhaust blower
1.38	4.07	Inside helmet, no exhaust blower
0.65	0.96	Outside helmet, exhaust blower
0.48	0.95	Inside helmet, exhaust blower
0.35	0.65	General work area

These findings indicate that exposures to fluoride and iron oxide fumes are less than their respective threshold limit values during welding both with and without the use of portable exhaust blowers. Exposures to these substances are considerably less, however, when the blowers are utilized.

It should also be noted from these findings that concentrations outside the welding helmet were generally higher than those found inside the helmet, especially when no exhaust blower was utilized.

At present, the company is planning to modify the general dilution ventilation system in this building in an effort to reduce smoke concentrations. Industrial hygiene personnel are available to discuss any questions that might arise with regard to this modification.

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Dust

Atmospheric samples for determination of dust concentrations were collected in the sand blasting area and inside of this unit by means of midget impingers. Distilled water was used as the collecting medium. Dust counts were made microscopically using a standardized light-field technique and the results are given in Table 3.

A particle size determination was made microscopically on an additional air sample collected with a membrane filter. The result (Table 4) indicates that the dust is respirable and capable of being retained in the lungs.

A sample of settled airborne dust was collected in the sand blasting area. This sample was analyzed for free silica content and the result is presented in Table 5. The threshold limit value for dust, based on exposure for an 8-hour working day, is determined [from this datum] by the following formula: Threshold limit value, in millions of particles per cubic foot of air = $\frac{250}{\% \text{ free silica} + 5}$.

The free silica content of settled airborne dust in the sand blasting area was 50 percent. The threshold limit value for dust containing this amount of free silica is 4.5 million particles per cubic foot of air (mppcf).

Dust concentrations in the general work area during sand blasting ranged from 0.5 to 4.0 mppcf. This indicates that employees' exposure to dust in this area is less than the threshold limit value.

Dust concentrations in two samples collected in the vicinity of a sand chute on the larger sand blasting unit averaged 4.0 mppcf. Visual observations indicated that the free fall of sand from this chute was a major source of contamination of the work area. This sand chute should be enclosed.

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Accumulations of sand were noted throughout the sand blasting area. This area should be cleaned and a periodic housekeeping program established to prevent these accumulations from being an ever-present source of contamination. Cleaning should be performed by wet or vacuum methods.

Maintenance employees periodically empty the bag house attached to the sand blasting units. The dust concentration in the vicinity of this operation was 7.4 mppcf. Since this operation involves sporadic exposures to high dust concentrations, maintenance employees engaged in work on the bag house should be required to wear respirators approved by the United States Bureau of Mines for protection against pneumoconiosis-producing dust.

Tables of fluoride, iron oxide and dust concentrations, particle size data and free silica content of dust follow.

Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 3

Dust Concentrations

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Location	Dust * (millions of particles per cubic foot of air)	Remarks
Sand blasting area "B" building	0.5	General air in vicinity of sand blasting unit
	4.0 3.9	General air in vicinity of sand chute
	1.7 1.5	General air in sand blasting booth following blasting
	7.4	General air during shakeout of bag collectors

* Threshold limit value, based on exposure for an 8-hour working day -
4.5 million particles per cubic foot of air.

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 4

Particle Size Data

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Location	Median particle size (microns)	Standard deviation
Sand blasting area "B" building	0.47	1.63

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Commonwealth of Pennsylvania
Department of Health
DIVISION OF OCCUPATIONAL HEALTH

Table 5

Free Silica Content of Dust

Westinghouse Electric Corporation
Steam Division
Lester, Pennsylvania

Source of sample	Free silica (percent)
Sand blasting area "B" building	50

Survey by -

Leon T. Gonshor
Regional Industrial Hygienist

Walter Chrostek
Paul Kennedy
Gerald Kazmerski

Industrial Hygienists

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SECTION AII

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REGION VII

DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EMPLOYEES

PROD. MFG. OR SERVICE

MALE

Steam turbine

FIELD ACTIVITY REPORT

FEMALE

DATE 3/16/65

TOTAL

PLANT

ADDRESS

W WESTINGHOUSE ELECTRIC CORPORATION
LESTER, PENNSYLVANIA

PERSON INTERVIEWED Mr. Carl Merris

TITLE Supervisor of accident

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

prevention

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE Mr. Carl Merris

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS		ACCOMPLISHED		
		WRITTEN	VERBAL	YES	NO	IN PROG.
Silica - U building	2	1. Keep door to sand blasting unit closed				
Iron oxide and fluoride B bldg.	34	2. Require operator to wear approved respiratory protection.				
Silica B bldg.	4	3. Periodic maintenance program.				
		4. Instruct employees in proper operation of Chelsea blowers. (over)				
SAMPLES COLLECTED <u>16 dust, 34 fluoride, 34 iron oxide, 4 silica</u>				TOTAL <u>88</u>		
INO. & KIND:						
DETERM. MADE <u>16 dust, 34 fluoride, 34 iron oxide, 4 silica</u>				TOTAL <u>88</u>		
INO. & KIND:						
MEDICAL				O.D. REPORTED, NO. & KIND		

REMARKS Punch card and folder on file. A survey for dust, iron oxide and fluoride was
conducted at this plant on 12/30/65. (over) BY Paul Kennedy

PUNCH CARD ☒ YES ☐ NO FOLDER ☒ YES ☐ NO CHN

Mr. Merris requested a separate report for the dust survey conducted in the "U" building. Recommendations Nos. 1, 2 and 3 are made in that report. The remainder of the recommendations are in the survey report for the "B" building.

Recommendations (Continued):

5. Maintenance program for Chelsea blowers.
6. Enclose sand chute.
7. Housekeeping program
8. Wear respiratory protection during emptying of bag house.
9. Periodic maintenance program for sand blasting rooms.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

SAMPLE AND LABORATORY REPORT

REGION VII
DATE COLLECTED 12-30-64
DATE SUBMITTED 1-11-65
DATE REC'D IN LAB. 1-5-65

NAME OF COMPANY Westinghouse Electric Co.		ADDRESS Lester Pa.	
PRODUCT MANUFACTURED Turbines	MATERIAL SAMPLED Dust - Bulk Sample	APPARATUS N.A.	
COLLECTED BY Paul Kennedy	COLLECTION MEDIUM N.A.	ANALYSIS DESIRED % Free Silica	

SUBSTANCES LIKELY TO INTERFERE AND LIKELY TO BE PRESENT

COMMENTS All samples should have very high free silica contents

REGION SAMPLE NUMBER	LAB. SAMPLE NUMBER	SAMPLING LOCATION AND OPERATION	AIR VOLUME	LABORATORY RESULTS % Free Silica
873-4	Y-913	Spent sand from blasting unit "B" building	--	69%
874-4	Y-914	Rafter sample - "B" building	--	50%
875-4	Y-915	Spent sand from blasting unit - "U" building	--	60%
876-4	Y-916	Rafter sample - "U" building	--	66%

REPORT OF ANALYSIS

PA STATE ARCHIVES
350 North Street, Harrisburg, PA 17120-0001
PA Historical & Museum Commission

ANALYSIS BY C. Downes DATE 1-14-65 CHEMIST R. J. Boyer
DATE REC'D. 1-15-65 DATE TYPED 1-18-65 DATE SUBMITTED TO REQUESTING AGENCY _____

1964 In Review

The year 1964 has been a year of action and decision by our members. It has been a year that has seen the passing of the last of the big three that planned and executed the infamous 10% month strike of 1955-56.

With the passing of Mr. M. B. Wilcox goes an era of strife, hatred and mistrust, 10 years of walkouts, furloughs and a program of employee harassment unequalled by any other company or by the Westinghouse Company against any other single plant. We cannot foretell what the future holds but it can't be any worse. It can only get better.

This year has seen a new layoff terminology born: The selective yoff. This is where production increases but service people are let off. Then the company attempts to get other people including production people to take up the slack!

This led to a shutdown and the prevention of wholesale job combining this year. It also led to another shutdown to protect morale and bumping rights. It brought about the disciplinary dumping of a chief steward and another shutdown. It has been a year of many problems.

INFORMATION ARRIVES

This has also been the year when automation has come to the Phila. plant. Such new machines as the two-headed Labr Tape Mill press. The company slotted this at Labor Grade 8. Through negotiations it later went to Labor Grade 9.

Installed also was the eight station machine in 'N' building. This machine has seven different heads taking the place of seven different milling machines or in other words replacing seven men. The eighth station is the operator who keeps inserting blades in the fixtures and a finished blade comes out every seven minutes. Two Labor Grade 10 men operate this machine on each shift. The previous replacement was Labor Grade 7. In heavy manufacturing, a new side entry machine was set up. Two Labor Grade 10 men operate this machine but again the cutting time has been drastically reduced up.

New tape controlled drill presses, vertical boring mills, thread rollers, thread grinders and many others have been introduced into the shops, all increasing production and all with classification problems. Operators must learn controls all over again and new machining techniques. But the company rarely moves on giving a higher rate and continually attempts to downgrade the skill involved.

MORE COMPANY SPITE

We have seen the company's long arm reach into the military service, the funeral parlor and on vacation beaches to snatch pay retaliation for the actions of others. During a shutdown they deny death leave pay, military pay and vacation pay.

However, there has been one encouraging feature since the departure of Mr. Wilcox. There has been more willingness to discuss problems when they are in the budding stage and thus solve them before they explode. There is a less do-it-or-else attitude on the part of the company which tends to decrease tension.

There have been many grievances put through since the first of the year. Some were brought to a successful conclusion and many were not. All of us are realistic enough to know that Westinghouse is far from a philanthropic organization. We do hope however that in the years to come they look with more fairness from their ivory tower on those whom they employ and attempt to give proper and just redress to their grievances.



Between November 11 and December 11 nominations for the following offices in the Local Union will be open:

President
Business Representative
General Committee (3)
Vice President
Financial Secretary
Recording Secretary
Trustee (1)
Sergeant-at-Arms (2).

Nominating petitions, obtainable at the union office, require 25 signatures by members in good standing.

ELECTION DATE:
JANUARY 8, 1965

ANNUAL STEWARDS BANQUET DECEMBER 5

More than 300 shop stewards and committee members, accompanied by their wives, will be feted by Local 107 UE at the Union Hall on Sat., Dec. 5.

All preparations for the annual banquet have been handled by the Local's Stewards Committee and will include a dinner show and music to start promptly at 8:30 P.M.

The Banquet is UE Local 107's traditional way of thanking the shop stewards and the committee members for the time, interest, patience and sacrifice they render day in and day out throughout the year for the local's 4,600 members.

The annual Local 107 UE Membership Card is ready for distribution and will be mailed to the members homes this month.

The wallet-size Annual Card will be used for identification in union elections as was the quarterly card which it is replacing for the first time.

Health & Safety

Welders Act to Clean Air Sewer In B Plant

The foul and stagnant atmosphere of B Plant, where the welders are concentrated, has been an enduring grievance of all workers in that area.

It became an issue again when the smoke, chemical fumes and dust hung and loitered all through the plant on a recent muggy day and made a sewer of the atmosphere.

In previous disputes with the company on the perennial health hazard, management responded to the grievancers only when the men decided to take a breathing spell. This resulted in some gaspings on the company's part to clear the air by means of blowers and exhaust fans.

Management's indifference to this condition menacing the health of those working in the area was encouraged when samples of the air were analyzed by agents of the Pennsylvania Dept. of Health a couple of years ago and shown to be tolerable by standards set by the state.

TEST INCONCLUSIVE

In the hours previous to the test, however, little welding had been done and the danger of air pollution was far less than normally. Nor had the state testers spent their workday outfitted in suffocating welder suits and masks.

Two weeks ago the welders had cause once more to take a long breather together, and they did. While this infuriated the management, it recuperated the welders from the ill-effects of the low-lying clouds of impure air.

The breather had the effect also of getting management to promise of improved ways of clearing the atmosphere. Awaiting this improvement besides the welders, which is to be undertaken any day now, are the men working at other occupations in the area who are equally affected by the bad working condition.

Union wisdom dictates: "When It's Not Safe—Stop!"

NOMINATIONS NOW OPEN FOR UNION OFFICES

REGION VII

PROD. MFG. OR SERVICE

Turbines

DATE 11/10/64 and 11/23/64

PLANT

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HEALTH

OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES

MALE

FEMALE

TOTAL

WESTINGHOUSE ELECTRIC CORPORATION

ADDRESS

Lester, Pennsylvania

PERSON INTERVIEWED Mr. Carl Morris

TITLE Supervisor, Accident Prevention

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT; AP

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE C. Morris

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS		ACCOMPLISHED		
		WRITTEN — VERBAL		YES	NO	IN PROG.
Glass dust		1. Request approval for air recircula-				
		tion system in H E Bldg.				

SAMPLES COLLECTED _____ TOTAL _____

DETERM. MADE _____ TOTAL _____

MEDICAL _____ O.D. REPORTED, NO. & KIND _____

REMARKS Folder and punch card on file. Requested to give appraisal of health hazard associated wi
with abrasive (glass beads) blast room in H. E. Bldg., BY GONSHOR
(over) CHM

Stadl Steam and Gas Turbine Department. Unit located at column G-24 "Vacu-Blast Room" by Vacu-Blast Company, Belmont, California. Room is 10' x 10' x 14'. Air enters room thru 6 grilles (18" x 18") in ceiling of room, downdraft thru grates in floor to cyclone collector, fan, and bag house. Recirculation in colder weather. 70% of work from outside booth (8 slots with rubber closures 2" x 2" each, and 2 glove arrangements) and 30% of work inside room with supplied air respirators (Pangborn respirators, EM 1915 and M S A, B M 1926). *Cylinder type compressor for air supply located in* Fan rated at 7000 cfm, "non-contaminated" area. See letter of 11/23/64 for additional details. Plant visited on 11/10/64. Management and union representatives present at time of visit. Hazards of abrasive blasting discussed with union representatives.

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Printed on

PA-578-578-578

350 North

PA Historical

REGION VII

PROD. MFG. OR SERVICE _____

DATE 6/19/64

PLANT _____

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HEALTH

OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES

MALE _____

FEMALE _____

TOTAL _____

W Westinghouse Electric Co.

ADDRESS Lester, Pa.

PERSON INTERVIEWED Tri-County Hospital

TITLE Springfield

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT;

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE _____

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS		ACCOMPLISHED		
		WRITTEN	VERBAL	YES	NO	IN PROG.
William B. Ogborn who had been a welder in the above company and died						
allegedly from "welder's lung" at the Tri-County Hospital, Springfield.						

SAMPLES COLLECTED
(NO. & KIND) _____

TOTAL _____

DETERM. MADE
(NO. & KIND) _____

TOTAL _____

MEDICAL _____

O.D. REPORTED, NO. & KIND _____

REMARKS Shortly before Dr. Dattoli left the Division he requested me to
investigate the case of William B. Ogborn.

(OVER)

BY Shiro Tanaka, M.D.
Industrial Hygiene Physician

PUNCH CARD ☐ YES ☐ NO

FOLDER ☐ YES ☐ NO

In the hospital record it was indicated that this man had worked as a welder for a long time in the Westinghouse Electric Company, Lester, Pennsylvania.

In reviewing the records of six hospitalizations, the first in July 1961 and the last ended on September 30, 1964 with his death, I conclude that the cause of death was multiple myeloma, a fatal neoplastic disease of the bone. There was no indication that this man suffered from an occupational disease. An interview with Dr. Levin, pathologist at the Metropolitan Hospital, Philadelphia, who conducted the autopsy, confirmed this conclusion. Therefore, no further investigation is indicated on this case.

Reproduction of an Official Record

PA STATE ARCHIVES

350 Main Street, Harrisburg, PA 17122-0350

PA acquired 3/1/80

October 24, 1963

SUBJECT William B. Ogborn - Deceased
421 Sutton Avenue
Folsom

TO File

FROM John A. Dattoli, M.D., Chief
Plant Health Services Section

Mr. Donald E. Getz, Chief, Data Handling Section of the Division of Data Processing, Bureau of Administration and Management, brought up the attached death certificate, and since they could not code welders lung as the cause of death, Dr. W. Schwartz, owner of Tri-County Hospital, Springfield, Pennsylvania, telephone #544-2000, was contacted and he stated the autopsy showed microlithiasis. However, the microscopic sections has not been processed as yet; once these are done he may submit an amended or corrected certificate of death.

He suggested that I contact Dr. McGowan of Collingdale, telephone # LUdlow 6-1919 who was the individual's private physician for further information.

JAD:dk

REPRODUCTION OF AN ORIGINAL RECORD
PLANT HEALTH SERVICES SECTION

PA STATE ARCHIVES

100 North Third Street, Harrisburg, PA 17120-0000

For information, contact (717) 781-2200

REC'D. CERT. ON
BURIAL PERMIT ISSUED
JOHN G. DAVIS, 23 236

10-1-63

3004-8-62

DEATH
LOCAL REG. NO. 23005-239
PRIMARY
DIST. NO. 549
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
VITAL STATISTICS
CERTIFICATE OF DEATH

088497-63

1. DEATH OCCURRED		a. County Delaware City or borough Springfield		2. DECEASED'S MAILING ADDRESS		b. Street address, R. D., or Box Number	
IN		Twp. County Hospital Twp.		421 Sutton Ave.		Tillem, Pa.	
c. If death did not occur in City or borough, give name of township (Do not use R. D. or Box Number)		d. Full Name of Hospital or Institution (if not in hospital, give street address)		3. VETERAN		a. What War	
Twp. County Hospital		Twp. County Hospital		Yes ☐ NO ☐		b. Serial No.	
4. NAME OF DECEASED (Type or print)		a. (first)		b. (middle)		c. (last)	
William B.		William B.		William B.		William B.	
5. WHERE DID DECEASED ACTUALLY LIVE?		a. State		b. County		c. Did deceased live in a township?	
Delaware		Delaware		Delaware		Yes ☐ NO ☐	
6. SEX		a. Male ☐ b. Female ☐		7. MARRIED		8. NEVER MARRIED	
Male		Male		Yes ☐ NO ☐		Yes ☐ NO ☐	
9. USUAL OCCUPATION (except if retired)		10. SOCIAL SECURITY NO.		11. DATE OF BIRTH		12. AGE (in years)	
Welder		197-03-9615		10/20/1913		60 years	
13. FULL NAME OF SPOUSE		14. BIRTHPLACE (State or foreign country)		15. CITIZEN OF WHAT COUNTRY		16. DATE OF DEATH	
Marie E. Schach Ogborn		Louisiana		USA		10/20/1963	
17. FATHER'S NAME		18. MOTHER'S MAIDEN NAME		19. INFORMANT'S NAME AND ADDRESS		20. INTERVIEW BETWEEN ONSET AND DEATH	
Clinton Ogborn		Louise Ruthman		Mrs. Marie E. Ogborn, 421 Sutton Ave. Tillem, Pa.		INTERVIEW BETWEEN ONSET AND DEATH	
21. MEDICAL CERTIFICATE (Items 20 through 23 must be completed by physician only)		22. CAUSE OF DEATH: Enter only one cause per line for (a), (b) & (c).		23. IMMEDIATE CAUSE (a)		24. DUE TO (b)	
				Congestive Heart Failure		Welder lung	
				DUE TO (c)		DUE TO (d)	
				Multiple Myeloma			
25. PART II. OTHER SIGNIFICANT CONDITIONS: Contributing to death but not related to the immediate cause given in Part I (a)		26. DATE OF DEATH		27. WAS AUTOPSY PERFORMED?		28. DATE OF BURIAL	
		10-1-63		Yes ☐ NO ☐		9/30/63	
29. SIGNATURE OF REGISTRAR		30. REGISTRAR'S SIGNATURE		31. SIGNATURE AND ADDRESS OF FUNERAL DIRECTOR		32. DATE OF DEATH	
J. G. Davis		John G. Davis		Marple Twp., Pa.		10-1-63	
33. DATE RECD. BY REG.		34. REGISTRAR'S SIGNATURE		35. SIGNATURE AND ADDRESS OF FUNERAL DIRECTOR		36. DATE OF DEATH	
10-1-63		John G. Davis		Marple Twp., Pa.		10-1-63	

REGION VII

DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EMPLOYEES

PROD. MFG. OR SERVICE
Steam turbines

FIELD ACTIVITY REPORT

MALE

FEMALE

TOTAL 5800

DATE 2/26/63

PLANT

ADDRESS

Westinghouse Electric Company

Lester

PERSON INTERVIEWED

Carl E. Merrie

TITLE Safety Superintendent

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; P.U.; CONF.; VISIT; AP

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS		ACCOMPLISHED		
		WRITTEN —	VERBAL	YES	NO	IN PROG.
Lead oxide fumes	3	1. Discontinue eating & smoking	in babbitt shop	X		
Mercury vapor	5	2. Clean up spilled mercury				X
Housekeeping	5	3. Improve housekeeping in base-	ment of old building	X		
Labeling	5000	4. Label all containers of solvents				X

SAMPLES COLLECTED None

TOTAL

DETERM. MADE Mercury vapor (70)

TOTAL

70

MEDICAL None

O.D. REPORTED, NO. & KIND

P.C. & folder on file

REMARKS

Visit was made to determine compliance with recommendations made

Szabo-Gonshor

BY

2-

during a plant inspection survey for mercury vapor also made. Mercury had been cleaned up following recommendation; however, an effective housekeeping program was not established and spilled mercury was present in various area. Determinations made with Mercury Vapor Meter indicated concentrations in excess of TLV (report of survey to follow). Recommendations will be included in report of survey.

Mr. Merrie is in the process of establishing a labeling program. Mr. Merrie going to submit details of the program (along with sample labels) to the Regional Office. Copies will be forwarded to the Central Office when they are received.

350

SAMPLE AND LABORATORY REPORT

REGION VII

DATE COLLECTED 11-7-62

DATE SUBMITTED 11-8-62

NAME OF COMPANY

ADDRESS

Westinghouse Electric Company

Lester

PRODUCT MANUFACTURED

MATERIAL SAMPLED

APPARATUS

Turbines

Acid mist

Midget & Standard Impinger

COLLECTED BY

COLLECTION MEDIUM

ANALYSIS DESIRED

Gonsior - Szabo

Distilled water

HCl, HNO₃, H₂SO₄

SUBSTANCES LIKELY TO INTERFERE AND LIKELY TO BE PRESENT

COMMENTS

REGION SAMPLE NUMBER	LAB. SAMPLE NUMBER	SAMPLING LOCATION AND OPERATION	AIR VOLUME cu. ft.	LABORATORY RESULTS	
				Hcl ppm	HNO ₃
389-2	8-740	Muriatic & nitric acid tank	3.10	0.5	ND
390-2	8-741	Sulfuric acid tank	2.80	N.D.	(H ₂ SO ₄)
391-2	8-742	HCl & nitric acid tank	2.90	N.D.	N.D.
392-2	8-743	HCl & nitric acid tank	3.00	12.1	N.D.
393-2	8-745	BLANK	- 2 -	---	---
394-2	8-746	HCl and nitric acid tank	24.5	23.1	N.D.
395-2	8-746	HCl and nitric acid tank	23.5	3.1	N.D.
396-2	8-747	Sulfuric acid tank	30.0	N.D.	(H ₂ SO ₄)
397-2	8-748	HCl and nitric acid tank	30.20	16.5	N.D.
398-2	8-749	-----	- 0 -	---	---

REPORT OF ANALYSIS

Analysis - delay caused by need for special chemical for H₂SO₄ det'n.. Chemical just recently received.

Results previously reported via phone.

J. Mills, S.R. Watts

12-11-62/2-13-63

ANALYSIS BY
Received - (2-14-63)

Typed - 2-14-63

gu

CHEMIST

PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

- 2 -

WESTINGHOUSE ELECTRIC CORP.

Lester, Pa.

Lead pot 600°F. gas	lead oxide fumes, heat CO, CO ₂ gas, dermatitis heat, CO, CO ₂ gas lead oxide fumes dermatitis	local exhaust personal hygiene charcoal surface general ventilation personal hygiene
Lead pot for heat heating of tools		
Erecting & testing Jacket shop		
sheering rolling } of jackets punching }	steel dust noise dermatitis	general ventilation personal hygiene
mixing asbestos mixing ceramic fibre putting asbestos & ceramic fibre mixture on jackets	asbestos dust ceramic fibre dust asbestos and ceramic fibre dust	local exhaust local exhaust local exhaust and general ventilation
making asbestos rolls sewing asbestos blankets cutting and sewing asbestos sheets assembly of large turbines testing turbines welding electric) acetylene () Heliarc)	asbestos dust asbestos dust asbestos dust dermatitis dermatitis iron oxide fumes, ozone U.V. I.R. heat, smoke oxides of nitrogen	general ventilation general ventilation general ventilation, Resp. personal hygiene personal hygiene Welder's helmet general ventilation
chipping) grinding () painting)	steel dust, noise silicon carbide dust dermatitis red lead paint pigment mist silicon vapor & mist dermatitis oil mist, dermatitis	general ventilation local ventilation personal hygiene general ventilation respirators personal hygiene general ventilation personal hygiene local exhaust personal hygiene
pump testing pit		
hot soda dip tank	caustic soda mist, vapor dermatitis	general ventilation personal hygiene
soldering 150-50 60-40 (95-5)	lead and tin oxide fumes hydrochloric acid mist, HCL gas, dermatitis	general ventilation personal hygiene
Fabricating and Welding Department.		
Machining: lathes drill press boring }	steel dust cutting oil mist dermatitis	general ventilation personal hygiene
milling	steel dust, cutting oil mist, dermatitis	general ventilation personal hygiene
Wheelabrator	steel dust noise	enclosed operation
shot blasting	steel dust, noise	enclosed op. local exhaust air line resp.
chipping grinding	steel dust, noise dermatitis	general ventilation & local exhaust personal hygiene

cleaning patts	mineral spirits vapor & mist	respirators, gen. Vent.
painting	dermatitis	personal hygiene
sand blasting (3)	paint piquents mist	respirators
multiple burning tables (6)	thinner vapor & mist	general ventilation
Welding: electric)	steel & silica dust	enclosed op. local exh.
acetylene	noise	air lined respirators
heliarc	iron oxide fumes	general ventilation
submerged arc	heat, CO, CO ₂ gas	
dual shield (CO ₂)	iron oxide fumes, CO, CO ₂ , gas	portable exhaust
oil & pump testing unit	U.V.I.R., heat, ozone	welder's helmet
annealing	oxides of nitrogen	general ventilation
annealing furnaces (3)	fluorides, smoke	
gas 1250- 1600°F	oil mist	general ventilation
Furnace relining	dermatitis	personal hygiene
Balconies division (works engineering)	heat, CO, CO ₂ gas	enclosed operation
repair gear castings	dermatitis	personal hygiene
Lathes)	silica dust	repirators, gen. vent.
drill presses(	dermatitis	personal hygiene
boring mills	iron oxide fumes	
sand blasting (wet)	steel dust, noise, dermatitis	general ventilation
grinding	steel dust	personal hygiene
polishing	cutting oil mist	
chipping	noise	general ventilation
Welding:	dermatitis	personal hygiene
Electric	silica dust	
Acetylene	steel dust, noise	enclosed, local exhaust
Heliarc	steel dust, silicon	wet operation
silicon	carbide dust	general ventilation
submerged arc	dermatitis, noise	local exhaust
Detailed machinery	steel dust, noise	personal hygiene
cleaning tank	dermatitis	general ventilation
(caustic soda)	cutting oil mist, steel dust	personal hygiene
Dye coating	caustic soda mist	Local exhaust
lead soldering & brasing	dermatitis	general ventilation
Kolene tank	dye piquant mists	
gas heated 900°F	noise vapor & mist	general ventilation
	lead & tin oxide fumes	
	HCl gas, hydrochloric	general ventilation
	acid mist	
	caustic soda mist	local exhaust &
	dermatitis, heat, CO, CO ₂ gas	personal hygiene

Rinse tank	dermatitis	personal hygiene
Babbit shop.		
Lead melting pot 6000°F gas heat	load oxide fumes CO, CO ₂ gas heat, dermatitis	gen. vent. thermostate personal hygiene
Babbit pot (2)	lead, tin, copper, antimony oxide fumes, CO, CO ₂ gas	Gen. vent., thermostat
750° F gas heat Pouring	heat, dermatitis lead, tin, copper, antimony, oxide fumes, heat, dermatitis	Personal hygiene General ventilation
Coating in centrifugal machine	dermatitis, heat, lead, tin, copper, antimony, oxide fumes	Personal hygiene Enclosed operation
Grinding of castings	dermatitis, noise, heat, tin, antimony, copper alloy, steel dust	Local exhaust

SMALL TURBINE DIVISION

Lathes	steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Drill presses	steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Boring mills Horizontal) Vertical)	steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Planer	Steel dust, noise, dermatitis	General ventilation Personal hygiene
Welding Electric Acetylene Heliarc Submerged arc	Iron oxide fumes Ozone, U.V., I.R., CO, CO ₂ gas heat, fluorides, smoke, oxides of nitrogen	Welder's helmet General and portable exhaust ventilation,
Chipping	Steel dust, noise, dermatitis	General ventilation Personal hygiene
Grinding	Steel & silicon carbide dust dermatitis, noise	Local exhaust, Personal hygiene
Wax coating 140° F electric	wax mist, heat, dermatitis	Canopy hood Personal hygiene
Dip tank (steam heated) Degreasing) Cleaning parts)	Oakite 77 mist dermatitis mineral spirits vapor & mist dermatitis kerosene vapor & mist	General ventilation Personal hygiene General ventilation Personal hygiene General ventilation
Portable sand blasting units	steel & silica dust noise	Enclosed, local exhaust, porthole to work
shot blasting	steel dust noise	Enclosed operation air line respirators General ventilation
Burning tables	iron oxide fumes, heat, CO, CO ₂ gas, smoke	

Electric furnace (heat treated) 1000° F	heat, iron oxide fumes, dermatitis	Enclosed operation Personal hygiene
Kerosene dip tank	Kerosene vapor & mist dermatitis	General ventilation Personal hygiene
Spray painting	Paint pigments mists Thinner vapor & mist	Locally exhausted Spray booth

Small turbine erecting and testing: See erecting and testing
described previously

BLADE SHOP

Tool grinding	Steel & silicon carbide dust dermatitis, noise	Local exhaust vent. Personal hygiene
Drill press, lathes, boring mill, grinding, chipping, sand blasting (portable)	Steel dust, cutting oil mist, dermatitis silica dust noise	General ventilation Personal hygiene
Lift fork trucks (electric & gasoline)	CO, CO2 gas, smoke, noise	Enclosed, local exhaust
Polishing	Steel dust Dermatitis	General ventilation
Brazing	Lead & tin fumes heat, dermatitis	Local exhaust vent. Personal hygiene
Dip Tank	"Vantrol Dip" mist Kerosene vapor & mist dermatitis	General ventilation Personal hygiene
Welding Electric Heliarc Acetylene Submerged arc	Iron oxide fumes U.V., I.R., ozone, fluorides, heat, smoke, CO, CO2 gas Oxides of Nitrogen	Welder's helmet General and portable local exhaust ventilation
Forging Furnaces (1600° F)	Iron oxide fumes, steel dust, Heat, smoke, CO, CO2 gas mist dermatitis	General ventilation
Rolling mill	Steel dust dermatitis, noise	Personal hygiene General ventilation
Heating ovens (900-1000-2350° F)	CO, CO2 gas, smoke heat, dermatitis	Personal hygiene General ventilation
Oil quenching	CO, CO2 gas heat, smoke, oil mist	Personal hygiene General ventilation
Polishing Buffing Grinding	Steel & Silicon carbide dust, noise dermatitis	Local exhaust vent. Personal hygiene
Annealing furnaces 1600° F for small 11-1300° F for large	CO, CO2 gas, heat smoke, dermatitis	Local exhaust Enclosed - personal hygiene
Cleaning tanks (caustic soda)	Caustic soda mist dermatitis	Local exhaust Personal hygiene

Multiple burning table	iron oxide fumes, CO, CO2 gas, heat, smoke	General ventilation
Cut-off saw	Steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Grit blasting	Steel dust Noise	Enclosed, local exhaust, resp.
Heat treating and shrinking (1300° F) (gas heated)	CO, CO2 gas, smoke, heat dermatitis	Local exhaust Enclosed operation Personal hygiene
Sand blasting Sand	Silica & steel dust noise	Enclosed op., local exhaust, airline resp.
Welding: Electric Acetylene Heliarc Submerged arc Dual shield	Iron oxide fumes U.V., I.R., ozone, heat, smoke, fluorides, CO, CO2 gas, oxides of nitrogen	General and portable local exhaust ventilation welder's helmet
High temperature treating (2000° F) (Gas heated) Assembly	iron oxide fumes heat, smoke, CO, CO2 gas dermatitis Dermatitis	Enclosed operation Personal hygiene Personal hygiene

WELDING ENGINEER'S TESTING LABORATORY

Welding Electric Heliarc Acetylene Dual shield Submerged arc	Iron oxide fumes, heat, U.V., Ozone, I.R., ozone, smoke, CO, CO2 gas, fluorides, oxides of nitrogen	Welder's helmet General and flexible hose exhaust ventilation
Chipping Grinding Polishing	Steel dust, noise, silicon carbide dust dermatitis	General and local exhaust ventilation, personal hygiene
Coffee pot Electrode treating furnace (electric 600° F)	Heat, CO, CO2 gas, caffeine Heat Dermatitis	4 cups a day General ventilation Personal hygiene

BLADE AND TOOL PILOT LINE

Sellite stripping	Dermatitis Dembured ethyl alcohol vapor and mist	Personal hygiene General ventilation
Lathe Drill press Boring mill Welding Electric, acetylene heliarc	steel dust, noise cutting oil mist dermatitis Iron oxide fumes, heat, ozone, U.V., I.R., smoke, CO, CO2 gas, fluorides, Oxides of nitrogen Steel dust, noise	General ventilation Personal hygiene General and flexible hose local ventilation Welder's helmet
Chipping		General ventilation 98 db

Grinding	Steel dust, noise, dermatitis, silicon carbide dust	Local exhaust, Personal hygiene
Metal cleaning	Kerosene vapor & mist dermatitis	General ventilation Personal hygiene
Small furnace (gas 600° F)	Heat, CO, CO2 gas dermatitis	Enclosed op., General ventilation, Personal hygiene

WOOD SHOP AND CARPENTER SHOP

Saw, planer, joiner	Wood dust, noise	Local exhaust ventilation
Sander	Wood, silicon carbide dust	Local exhaust vent.
Drill press	Wood dust noise	Local exhaust
Paint booth	paint pigments mist, thinner vapor & mist dermatitis	Local exhaust vent.
Paint mixing	Paint pigments mist thinner vapor & mist, dermatitis	Personal hygiene General ventilation
	Pipe Shop	
Metal saw, drill press, lathe	Steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Threader	Steel dust cutting oil mist	General ventilation
Lathe		
Welding		
Electric	Iron oxide fumes, CO, CO2 gas, U.V., I.R., ozone, heat, oxides of nitrogen, smoke	Welder's helmet, General & flexible hose, local exhaust vent.
Acetylene		
Helarc		
Metal cleaning	Mineral spirits vapor & mist dermatitis	Gen. vent., respirators, Personal hygiene
Soldering (60-40, 50-50, 95-5)	Lead & tin oxide fumes, HCl gas, HCl acid mist,	General ventilation sporadic operation
B plant powerhouse (Gas fired)	Noise, CO, CO2 gas, dermatitis, heat, steam	91-92 db Enclosed

GARAGE AND TRANSPORTATION MAINTENANCE

Battery charging	H2SO4 mist	General ventilation
	SO3-SO2 gas, dermatitis	Personal hygiene
Rust removing	Dun-Rite Rust Remover vapor & mist	General ventilation
Steam cleaning	Heat, steam dermatitis	General ventilation Personal hygiene
Drill press	Steel dust, noise	General ventilation
lathe, boring mill	cutting oil mist, dermatitis	Sporadic operation Personal hygiene
Metal parts cleaning	Trichloroethylene vapor & mist, dermatitis	General ventilation Personal hygiene
Spray painting	Paint pigment mist	Respirators
	Thinner vapor & mist	General ventilation
Repair work	Dermatitis	Personal hygiene

Experimental welding:	iron oxide fumes, U.V., I.R., heat, ozone, CO., CO2 gas, oxides of N2	General & local exhaust ventilation, welder's helmet
Chemical testing laboratory	dermatitis solvents vapor & mist	Personal hygiene Lab. hoods
Physical testing laboratory		
(Metallurgical Lab.)	Steel dust Dermatitis	General ventilation Personal hygiene
Tank cleaning:	Solvents vapor Dermatitis	Airline respirators Personal hygiene
PHOTOGRAPHIC DEPARTMENT	(G. Building)	
Blue Print	Ammonia gas Dermatitis	Local exhaust Personal hygiene
Offset printing	A & W duplicating fluid (methanol) Vapor & mist, dermatitis	Enclosed Personal hygiene
	PATTERN SHOP	
Circular saw		
Band saw	Wood dust, noise	Local exhaust ventilation
Planer, joiner, sander	Wood dust, noise, silicon carbide dust	Local exhaust ventilation
Spray painting	lacquer & enamel paint pigments mist thinner vapor & mist dermatitis	Local exhaust booth personal hygiene

WELDER'S TRAINING CENTER

Welding		
Electric	Iron oxide fumes, heat,	Flexible hose & local
Helarc	U.V., I.R., CO, CO2 gas,	exhaust ventilation
Acetylene	ozone, oxides of nitrogen,	Welder's helmet
Submerged arc	argon	
Dual shield		
Dripping	Steel, silicon carbide dust	General ventilation
Grinding	noise, dermatitis (104 db)	Personal hygiene
Silver soldering	Silver, nickel, bismouth, oxide fumes, Handy flux mist	General ventilation
Heating oven	Heat, dermatitis	Gen. vent., personal
electric 250° G		hygiene

RESEARCH & DEVELOPMENT LABORATORY

Welding:		
Electric	Iron oxide fumes, U.V., I.R.,	Welder's helmet,
Helarc	heat, ozone, CO, CO2 gas, oxides of nitrogen	Flexible hose exhaust ventilation
Filling manometers	Mercury vapor	General ventilation

Performance testing: noise levels (103db)	noise	Ear muffs & helmet with built in intercom system
General machine shop	dermatitis	Personal hygiene
Welding:		
Electric	Iron oxide fumes,	Welder's helmet,
Acetylene	U.V., I.R., heat, ozone,	General & flexible hose
Heliarc	CO, CO2 gas, oxides of	exhaust ventilation
Submerged arc	nitrogen	
Dripping, grinding	Steel, silicon carbide dust, noise (102 db)	General ventilation
lathe, drill press,	Steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene

EXPERIMENTAL LABORATORY

Degreaser	Trichloroethylene vapor & mist dermatitis	Water jacket Personal hygiene
Cleaning recovered mercury	Mercury vapor & mist	General ventilation
Grinding	Steel, silicon carbide dust, noise (not in operation)	General ventilation
Metal saw	Steel dust, cutting oil mist, dermatitis	General ventilation Personal hygiene
Testing room	Dermatitis	Personal hygiene
Sodium nitrite tank	Sodium nitrite mist Dermatitis	General ventilation Personal hygiene
Spray painting	Paints pigments mist Thinner vapor & mist	Local exhaust booth
Spray cleaning	Dermatitis	Personal hygiene
Servicing pressure gauges	Mercury vapor & mist	General ventilation
Welding: Electric		
Acetylene	Iron oxide fumes, U.V.,	General ventilation
Heliarc	I.R., Ozone, heat, CO, CO2 gas, oxides of N2	Welder's helmet

MEDICAL DEPARTMENT PERSONNEL

Physicians

John Seedor, M.D.	Director
Frank Lipcius, M.C.	Full time
Roman Ulane, M.D.	Full time
Eli Pronchik (Optometrist)	Part time
John Blizzard, M.D.	Part time
Luis Patron, M.D.	Relief

Nurses

Dorothy A. Davis, R.N.	full time
Catherine McMellin, R.N.	full time
Helen Huet, R.N.	full time
Mary D. Getz, R.N.	full time
Helen Heisler, R.N.	Relief
Elizabeth Carr, R.N.	Relief
Helene Basparian, R.N.,	Relief

X-RAY TECHNICIAN

Dorothy Edwards, R.T.	full time
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REMARKSHeavy Machining

Manufacturing of large turbine parts takes place here. Cutting oil used include products from Texaco, Sun Oil, Sinclair, Atlantic, Mobil. A bacteria count on a special Vantrol soup mix revealed 3 million organisms per cc of oil. Degreasing done by spraying or brushing Alk-Tri (The Dow Chemical Company) Mineral Spirits or trichloroethylene on these large items and let it evaporate. Employees are supplied with BM approved respirators, gloves, and other protective clothing.

Chemical Cathridge: BM#2301
Airline: BM #1926

Salt bath furnaces contain Houghton heat treating salt "Liquid Heat ND". Classification on these baths are given on a spearate sheet.

Gas fired lead pots for heat treating of tools are equipped with either canopy type hoods or with a coal topping. Employees exposed to lead are given periodic medical examinations.

Local exhaust ventilation systems are under the control of Works Engineering which get monthly check over. The numerous exhaust ventilation on grinders checked by the industrial hygienists kept a steady 800 cfm rate.

Labeling of containers was not carried out. Solvents were seen in many places in coke bottles, coffee cans, glasses, etc. An organized program of labeling and the use of approved containers will be carried out in the near future.

Balaconies: Under the direction of Works Engineering. Painting on smaller objects are done in spray booth, larger objects are painted on the work platform. New airless spray painting method developed by Works Engineering eliminate the mist problem. Paints used are all kinds (lacquer, enamel, etc.) from all major paint companies. Solvents toluol, xylol, mineral spirits, globe solvent "1609".

The Apex Alkali Cleaning tank equipped with slot exhaust ventilation -- capacity 400 cfm.

Kolane tank heated at 900° F used for surface treating. Controlled by local exhaust. Babbit shop was lead. All pots heated either by gas or electricity are controlled by thermostats at 650 or 750° F. Thermostats are periodically calibrated. The hot alloy poured centrifugally. Floor cleaned up at the end of every shift. Survey for lead will be done here in the near future.

ERECTING AND TESTING

Large turbine parts are assembled in the jacket shop and tested. A 94 db general area noise was measured at the time of inspection. Periodic noise measurements were made all through the plant. Noise levels are over the 85 db level in about 90% of the plant. This department has conducted a noise survey already at this plant. Company makes noise surveys on her

Remarks

OWN, making efforts to establish a good noise control program. Pre-placement and periodic audiometric tests are given. Employees engaged in operations which produce noise levels over 105 db.. are equipped with helmets with muffs and build in intercom system.

Fab and Weld Shop B. Building

Portable exhaust systems "octopus" available for all welding operations. Wheelabrator uses steel shots. Sound blasting room locally exhausted. Employees equipped with air line respirators. Some soldering done (60-40, 50-50, 95-5) using Handy Flux. Multiple burning tables are equipped with downdraft local exhaust ventilation system. General area noise measured: 92-94-96 db. At the end of the building hand blasting units are located. As a result of a survey conducted previously to evaluate employees' exposure to dust, the whole Fangborn dust collecting system has been moved outside. Mr. Morris requested a follow-up survey to evaluate the effectiveness of the control measures. At the same location a number of annealing furnaces are located. They are gas heated, temperature range 1200° F- 1600° F. Furnaces are aligned as needed by the company's own masonry group. Members of this group are included in the yearly chest X-ray examination program.

BLADE SHOP:

Blades for the turbines are made here. Previous noise survey conducted by this department revealed noise levels between 100-140 db.

Lindberg annealing furnaces are heated by gas at 1600° F. Caustic soda cleaning tank contains Apex Alkali Compound RPS. Cold saw cutting department is just what its name implies -- and noisy.

Sand blasting, punch presses, grinding wheels, silver soldering, and other hobbies performed by happy workers. It is noteworthy that all through the plant "Mobile horseshoe pitching stations" are visible where employees can relieve tension.

Salt baths similar to those on the separate sheet operating between 1650° F - 2350° F. are enclosed and locally exhausted. The pipe pickling house utilizes sulfuric acid which is in long tanks or flown through the pipe with the aid of a "garden hose" type hose. The sodium room has large dip tanks for sodium hydride which is made by breaking down ammonia and bubbling it through both containing metallic sodium. Under right conditions the hydrogen forms the sodium hydride with the sodium. The flow of material goes from here to a rinse tank, a 10% hydrochloric acid dip tank at 160° F, a 10% solution of nitric acid dip tank, and a 10% solution of sulfuric acid dip tank with cuprodine make up powder in it. All tanks are at 160° F. Survey will be made here for mixed acid mist and various gases.

SMALL TURBINE DIVISION

Operations are identical to those of the large turbine division on a smaller scale. A dip tank contains OAKITE 77. General area noise 92 db. chipping 106 db.

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REMARKS--

HEAT TRANSFER DEPARTMENT. U BUILDING

Noise at hand grinding 99 db. At metal saw 104 db. Chipping 120-128 db. Spray painting of red lead. Gas furnaces for heat treating and shrinking 1300° F.

Sand blasting.

Building also houses the high and low temperature testing labs, welding engineer's testing lab. Blade and Tool pilot line. Wood shop is in good condition. All wood working machinery equipped with local exhaust ventilation.

Pipe shop has unlabeled coke bottles containing solvents. General area noise 96db. The garage and transportation maintenance houses the company's two new Cadillac limousines.

Research and Development Laboratory and the experimental laboratory has the mercury problem. Large and numerous pressure gauges are filled at the site of installation with spilled mercury all over the floor. Survey will be made when most the spillage is cleaned up.

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Furnace No.	Heating Method	MAX TEMP	TYPE	Type of mat'l SALT
1	GAS	1600°F		
2	"	1600°F		
3	"	"		
4	ELECTRIC	2000°F		
5	GAS	1600°F		
7	"	1200°-2400°F		
8	ELECTRIC	1200°F		
11	ELECTRODE	2000°F	SALT - BATH	N.D
12	"	"	" "	275
13	GAS	"		
14	ELECTRIC	1700°F		
3A	GAS	200°-2400°F		
4A	"	" "		
5A	ELECTRIC	1100°F	SALT - BATH	275
6A	GAS	1600°F		
7A	ELECTRODE	1900°F	SALT - BATH	N.D
8A	"	"	" "	275
1B	GAS	1200°-2400°F		
2B	"	" "		
3B	ELECTRODE	1300°F	SALT - BATH	800
4B	"	2350°F	" "	1550
5B	"	1650°F	" "	1145
8B	GAS	350°-1100°F	" "	
9B	ELECTRIC	1250°F		
12B	"	1850°F		
13B	"	"		
1C	GAS	1250°F		
2C	"	1750°F		

SAMPLE AND LABORATORY REPORT

file

REGION VII
DATE COLLECTED 5-3-63
DATE SUBMITTED 5-3-63
DATE REC'D IN LAB. _____

NAME OF COMPANY

ADDRESS

Westinghouse Electric Co.

Lester

PRODUCT MANUFACTURED

Steam Turbines

MATERIAL SAMPLED

APPARATUS

COLLECTED BY

Gonshor

COLLECTION MEDIUM

ANALYSIS DESIRED

Free Silica

SUBSTANCES LIKELY TO INTERFERE AND LIKELY TO BE PRESENT

COMMENTS

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REGION SAMPLE NUMBER	LAB. SAMPLE NUMBER	SAMPLING LOCATION AND OPERATION	AIR VOLUME	LABORATORY RESULTS % Free Silica
*244-3	T-357	Blast unit	0	70%
*245-3	T-358	Screen 5 feet high	0	11%
*246-3	T-359	Window sill by "V" blast	0	70%
**247-3	T-360	Sand before use	0	90%+
**248-3	T-361	Window sill behind large blast	0	90%+

REPORT OF ANALYSIS

*Samples not sieved for analysis
Reported via phone 5-29-63

** Particulates too large for normal technique - microscopy and HF reaction indicate quartz

ANALYSIS BY Donovan, Watts DATE 5-24-63 CHEMIST J.P. Watts
DATE REC'D. 5-31-63 DATE TYPED 6-3-63 DATE SUBMITTED TO REQUESTING AGENCY _____

PA STATE ARCHIVES

350 North Street, Harrisburg, PA 17120-0001
PA Historical & Museum Commission

Commonwealth of Pennsylvania

Department of Health

DIVISION OF OCCUPATIONAL HEALTH

Report of Survey

Westinghouse Electric Corporation
Lester, Pennsylvania

At the request of Mr. Carl Morris, safety director, a survey to determine vapor concentration in the jacket shop was performed on September 2, 1960.

RECOMMENDATIONS

The following recommendation should be complied with upon receipt of this report:

1. Areas presently used for fabrication purposes should not be utilized while interior spraying of castings takes place.

DETAILED FINDINGS

This company was engaged in the manufacture of large boilers. In the fabrication of parts, the interior surface required asbestos spraying to soundproof and insulate the walls of the boiler castings. The material used was a pre-mixed solution of asbestos in a toluol solvent. The frequency of this operation was estimated to be about one week every three months. It should be kept in mind, however, that this could vary greatly, depending on special work orders for this type of work.

The operation in question is located in the No. 3 shop. The spraying took place inside large partially-enclosed castings. In the actual spraying of this material, the operators used air-line respirators. This control measure can be assumed to be satisfactory. Therefore, measurements were made at various other areas of concern by means of a Davis Vapotester. These measurements generally revealed small amounts of solvent vapor concentrations. Higher levels were obtained at the room housing the cut-off saws. Since no personnel exposure was apparent in this room, this was not considered significant in itself. However, the assumption

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can be made that these higher levels were due to the direction of the spray, which was toward this partition room. It could be presumed that, should this spray be directed toward the fabrication department in which there was personnel exposure, the resulting levels would be of such significance as to warrant some correction. For this reason, recommendation No. 1 was made.

This survey was performed under warm summer conditions. It is quite possible that an entirely different situation would present itself under winter conditions when doors and windows are closed. Therefore, another survey will be performed during cold weather to determine conditions existing at that time.

REGION										COUNTY										PLANT NAME - ALPHABETIC										D 43108X																			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF HEALTH DIVISION OF OCCUPATIONAL HEALTH										PLANT INFORMATION RECORD Stock No. 5268.3																																							
PLANT Westinghouse Electric-Repair Division										AREA CODE PHONE NO. 215 EV2 6262																																							
ADDRESS 125 South 30th Street (lower level)										EMPLOYEES:																																							
Philadelphia, Penna. 19104										M																																							
PRODUCT OR SERVICE Service - electrical repair shop										F																																							
PERSON INTERVIEWED Samuel Adams, Ind. Engineer										T 138																																							
PHYSICIAN - Preplacement -- Lloyd Stephens, M. D., 133 S. 36th St., Phila. ✓																																																	
Eye -- George Dublin, M. D., 1930 Chestnut St., Phila. ✓																																																	
Emergencies - Frank J. Jodzis, M. D., 1416 N. 4th St., Phila. ✓																																																	
DENTIST- None																																																	
NURSE - None																																																	
SAFETY SUPERVISOR - None																																																	
INDUSTRIAL HYGIENIST (Unknown) (On corporation basis)																																																	
INSURANCE CARRIER Self-insured																																																	
LEGAL OWNER Corp., Pittsburgh - D. Burnham, President																																																	
RECOMMENDATIONS 1. Respirator at paint spraying																																																	
2. Air recirculation in woodworking and at undercutting commutator.																																																	
Letter sent on 7-23-69																																																	
REMARKS Previous punch card and folder on file. Preplacement physical exams are given and periodic exams of workers at hazardous operations. Discussed hazards of working with epoxies with Mr. Adams. No dermatitis reported. Housekeeping good.																																																	
TYPE OF VISIT Inspection										DATE 7-8-69										BY Leslie Robinson J.S.S.																													
LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE (2,0)																																																	
PERSONNEL										RECOMM.										SURVEY										CONTROLLED HAZARDS										HAZARDS									
I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII										I II III IV V VI VII VIII IX X XI XII									

OPERATION	HAZARD	CONTROL MEASURE
Sawing	wood dust	general ventilation
Cleaning (manual)	magnus, xylol, toluol vapor	" "
	dermatitis	personal hygiene
Pressing	steel dust, Cu dust	general ventilation
Dismantling motors	oil mist,	general ventilation
	dermatitis	personal hygiene
Cleaning (tank not entered)	Magnus chem., Oakite	
	LSB 95XY mist	LEV on one - gen. vent.
	dermatitis	personal hygiene
Paint spraying	Westinghouse oil based paint mist	IE booth
	toluol mist, vapor	resp. (see recom.)
	dermatitis	personal hygiene
Incinerating	glass, mica, empire dust	LEV-enclosed
Grinding	SiC, steel dust	general ventilation
Welding room (sep.)	Pb, Sn (600°) fume, HCl	wall exhaust
TIG elec.-acetylene	mist and gas	
	Cu, Fe, oxide fume, IR,	
	UV, ozone gas	welding helmet
Soldering and welding done on Cu, steel, and cast iron, according to Mr. Adams	Nx, Oy, fluoride fume, CO, CO ₂ gas	
Baking, curing oven (300°) (elec)	heat	enclosed
	dermatitis	personal hygiene
Milling)	steel, iron dust	general vent.
Lathing)	cutting oil mist	
Drilling)	dermatitis	personal hygiene
Undercutting)		LEV to AR (see rec.)
Shearing)		
Woodworking)		
Sawing)	wood dust	LEV to Ar (see rec.)
Shaping)	noise	sporadic
Varnish dipping (tank not entered)	Westinghouse Benolite vapor	general vent.
Bakeout oven	mist, xylol vapor	" "
	varnish vapor, dermatitis	personal hygiene
		enclosed
Magnet winding	Cu dust	general vent.
Air blowing of motors	Cu dust, tape dust	general vent.
	noise	sporadic
Metal spraying	Fe oxide fume	LEV
Stainless steel 1200° elec		
Mild steel 1400° elec		
(Metco air jet spray) (metal rod in gun)		
Steam cleaning	humidity, heat	gen. vent.

Continued on page 2

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

REGION I
PROD. MFG. OR SERVICE service
electrical repair shop
DATE OF ACTIVITY 8/22/69

FIELD ACTIVITY REPORT

EMPLOYEES	COUNTY
MALE _____	<u>Phila.</u>
FEMALE <u>138</u>	IND. CODE
TOTAL	<u>76</u>

PLANT	<u>Westinghouse Electric Company, Repair Division</u>	
ADDRESS	ZIP	PHONE
<u>126 South 30th Street (Lower level) Phila.</u>	<u>19104</u>	<u>215- Ev-2-6262</u>
PERSON INTERVIEWED	TITLE	
<u>Samuel Adams - Letter</u>	<u>Industrial Engineer</u>	

PURPOSE: INVEST.: SURVEY: INSPECT.: PRELIM.: F.U.: CONF.: VISIT: 30 day reply requested

REASON: SELF-INIT.: O.D. REP.: COMPL.: REQUEST: SOURCE: _____

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN --- VERBAL	ACCOMPLISHED		
			YES	NO	IN PROG.
<u>Air recirculation</u>	<u>81</u>	<u>Request approval of air recirculation</u>	<u>X</u>		

SAMPLES COLLECTED _____ TOTAL _____
(NO. & KIND)

DETERM. MADE _____ TOTAL _____
(NO. & KIND)

MEDICAL - O.D. REPORTED, NO. & KIND _____

PUNCH CARD	YES ☒	NO ☐	FOLDER	YES ☒	NO ☐
------------	---	-----------------------------	--------	---	-----------------------------

REMARKS:

Forms dated 7/8/69 received 8/21/69.

Forms, along with I.R.'s comments, submitted to AR committee for review.

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BY P. De Fao RH JS

8/22/69 WINS 0

Westinghouse Electric - Repair Division
126 South 30th Street (lower 101)
Phila., Penna. 19104

7/8/69

Page 2

7/8/69

OPERATION

HAZARD

CONTROL MEASURES

Epoxy brushing

Westinghouse epoxies vapors
dermatitis

general ventilation
personal hygiene

Magnus hand cleaner used, disposable equipment, so no cleaning of
brushes necessary.

Guillotine

dacron, nylon, asbestos
paper dust

general ventilation-
sporadic

Taping

fiberglas, teflon, plastic
tape dust
dermatitis

general vent.
personal hygiene

Meter repairing
soldering

Pb, Sn, Cu fume, UV
HCl mist and gas

general vent.

Shot blasting

glass dust
Fe dust

enclosed

No sand blasting done.

Leslie Robinson
Industrial Hygienist

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APPLICATION FOR APPROVAL OF AIR RECIRCULATION SYSTEM

DATE 8-20- 1969

PLANT NAME <u>WESTINGHOUSE ELECTRIC CO.</u> <u>Philadelphia Repair Plant</u>	ADDRESS <u>126 S. 30th St., Lower Level</u>
CITY AND ZIP CODE <u>Philadelphia, Pa. 19104</u>	COUNTY <u>Philadelphia</u>
CONTAMINANTS COLLECTED <u>Dust Particles</u>	LOCATION OF AIR RECIRCULATION SYSTEM (DEPARTMENT, BUILDING, ROOM, ETC.) <u>Carpenter Shop</u>

LIST OPERATIONS EXHAUST VENTILATED TO COLLECTOR AND ALL MATERIALS USED IN THESE OPERATIONS	MATERIALS USED IN OPERATION (SPECIFIC INGREDIENTS)
OPERATIONS <u>Table Saw</u> <u>Shaper</u> <u>Sander</u>	 <u>Wood, Micarta,</u> <u>Glastic and similiar materials</u>

AIR RECIRCULATION SYSTEM INFORMATION

MANUFACTURER OF COLLECTOR <u>Torit</u>		COLLECTOR EFFICIENCY DATA <u>80%</u>
MODEL NUMBER <u>19 FB</u>	TYPE COLLECTOR <u>Dust</u>	
AIR VOLUME RATE OF SYSTEM <u>1000</u> CFM	DAILY OPERATION TIME <u>3.0 hrs.</u>	
DIMENSIONS OF ROOM TO WHICH AIR IS RECIRCULATED		MAINTENANCE PROGRAM (DESCRIBE) <u>Clean out approximately every three weeks</u>
LENGTH <u>45</u> FT.		
WIDTH <u>20</u> FT.		
HEIGHT <u>20</u> FT.		
NUMBER OF EMPLOYEES IN THE AREA	FULL TIME PART TIME <u>1</u>	SOURCE OF MAKE-UP AIR <u>Windows and an open door-way</u>
QUANTITY OF MAKE-UP AIR SUPPLIED TO AREA <u>700</u> CFM		
LIST SPECIFIC REASONS WHY SYSTEM CANNOT BE EXHAUSTED TO THE OUTSIDE <u>Dust particles will pollute outside air</u>		OTHER EXHAUST VENTILATION SYSTEMS IN THE AREA (DESCRIBE) <u>24 inch exhaust fan in outside wall</u>

TITLE <u>Ind. Engr. Supv.</u>	SIGNATURE <u>[Signature]</u>	PHONE <u>382-6262</u>	EXTENSION NUMBER
----------------------------------	---------------------------------	--------------------------	------------------

FOR DEPARTMENTAL USE ONLY		☒ REGION REPORT AND RECOMMENDATIONS ON REVERSE SIDE	
APPLICATION NO.		☐ APPROVED ☐ DISAPPROVED ☐ APPROVED (CONDITIONAL)	
REGION <u>1</u>	DATE REC'D <u>8/22/69</u>	BY <u>[Signature]</u>	COMMITTEE ACTION:
COMMITTEE	DATE REC'D	BY	CONDITIONS:
REGION	DATE REC'D	BY	<u>unit 1</u> APPROVED
PLANT NOTIFIED	DATE NOTIFIED	BY	<u>unit 1</u> APPROVED

(USE REVERSE SIDE FOR ADDITIONAL COMMENTS)

unit 1 **APPROVED**
Pennsylvania Dept. of Health
Division of Occupational Health
[Signature] 9/4/69

Considering limited operation, (3 hrs. per day) request is made for approval of this system. Wood as used here presents no problem. Micarata is listed in the Trade Name Index as a phenol-probably asbestos filled. Percentage of asbestos could not be determined. Considering its limit use, however, it does not present a problem here.

Pete De Fao

9/4/69

Discussed with W. Chutek on 9/4/69.
Approval OK.

JS.

Regional Office PA

AUG 21 1969

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REGION V

DEPARTMENT OF HEALTH

PROD. MFG. OR SERVICE

OCCUPATIONAL HEALTH

LasersDATE OF ACTIVITY Jan. 21, 1969

FIELD ACTIVITY REPORT

EMPLOYEES	COUNTY
MALE	<u>02</u>
FEMALE	IND. CODE
TOTAL	<u>38</u>

PLANT

Westinghouse Research Laboratory

ADDRESS

Churchill Boro. Pittsburgh, Pa.

ZIP

15235

PHONE

412-256-7265

PERSON INTERVIEWED

Kenneth Steinbruegge

TITLE

Research Engineer

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONF.; VISIT:

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE:

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS	ACCOMPLISHED		
		WRITTEN --- VERBAL	YES	NO	IN PROG.

SAMPLES COLLECTED

(NO. & KIND)

TOTAL

DETERM. MADE

(NO. & KIND)

TOTAL

MEDICAL - O.D. REPORTED, NO. & KIND

PUNCH CARD

YES ☐NO ☒

FOLDER

YES ☐NO ☒

REMARKS:

The conference with Mr. Steinbruegge revealed the following information concerning lasers:

1. Flashtubes have a casing of quartz instead of glass, because of its higher resistance to breakage. Flashtubes may contain xenon or krypton for pulsed lasers, and Hg, Na, or K in C. W. lasers.
2. UV filters are sometimes employed between the flashtube and media for better efficiency.
3. Solid state efficiency may be 3%. CO₂ lasers may be 40% efficient.
4. The largest CO₂ laser is 190 ft. long with a mountain as a backstop. This one is owned by the Federal Government.
5. Transite is a material used on nose cones of rockets because of its very high resistance to heat, is used as a backstop for the CO₂ laser.
6. When titanium or Mg is cut, argon gas is jotted onto these materials, as they are highly explosive.
7. A new orblum doped crystal is being developed as a laser media that would emit a wavelength of 1.5 microns. This wavelength is less hazardous for the eye, states the plant engineer, since the energy is absorbed in the humors of the eye first.
8. This plant tests one of a new supply of goggles bought for use with a particular laser. The beam is passed through the goggles. If energy is transmitted through the goggles, it is noted on the ballistic thermopile. This data along with spectroscopic measurements determines whether the goggles are returned or not.

BY M. Choby
Industrial Hygienist RH 4
WINS 2.0

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9. Also microwave and radio wave stimulating mechanisms are used in probing technique and will not be sold to industry as they are more complicated and present more hazards.
10. Noise problems may exist when a beam is shot at a hard object (in O-switching). the noise is similar to that of a gun shot blast.
11. Coolants may be transisterized in that one-half of the transistor material is cold and the other, hot, ~~because~~ the heat energy goes from cold side to the hot, where it is given off.



PA STATE DEPT. OF HEALTH
350 NORTH SECOND STREET, PHILADELPHIA, PA 19106

8/29 & 9/11/68

Research & Development Center
file

battery laboratory	sodium hydroxide sulfuric acid & other chemical reagents	hoods; gloves; goggles plastic shields
specialty coating laboratory paint spray booth	epoxys; methyl ethyl ketone methanol	hoods; goggles; safety can
environmental exposure room electric furnaces	heat;	isolation
stockroom	chemical reagents; solvents & varnishes	isolation
plating room	cyanide baths; nickel gold, silver, cadmium & rhodium plating sulfuric acid; nitric acid	slot ventilation (exhaust) aprons, gloves; goggles cyanide kits
water purification apparatus	none	none
corrosion technology laboratory	high temperature corrosion heat;	isolation & insulation
lubrication laboratory potentiometers	tungsten cellanide argon cylinders; testing of lubrication of bearings in hot sodium hydroxide sulfur hexafluoride noise	hoods; exh. ventilation ear muffs; hearing tests

Westinghouse Electric Corp.
Pittsburgh

-5-

8/29,

gas laboratory

shooting electrons through
gases

shields, film badges, etc.
posters - all radiation
protection equipment

Machine Shop
lathes, drills, presses, etc.
gas cylinders N₂
CO₂

cutting oil, noise
oil mist

aprons, gloves, ear muffs, etc.
hoods, exhaust ventilation

physics of insulation

insulating materials
rubber, asbestos, fiberglas
making insulation for
Capacitors

hoods, exhaust ventilation
gloves, protective clothing, etc.

HI voltage test lab
testing contacts

electric shock
oils-halogenated oil

insulation, exhaust ventilation

polishing crystals

various reagents

hoods, exhaust ventilation

fuel cell lab

carbon monoxide
vanadium
acid mists

hoods, exhaust ventilation

electric catalysis

organic solvents

hoods, exhaust ventilation

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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			
PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS
PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS	PERSONNEL	RECOMM	SURVEY	CONTROLLED HAZARDS	HAZARDS

Remarks (continued)

Sharon, Pennsylvania
Mathews & House Development Dept
River Transformation 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.

Operation

Hazard

Control Measure

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

Lathe, milling, drilling boring & sawing	Various ferrous & non-ferrous metal dusts, polyethylene, Teflon & nylon dusts, cutting oil mist & decomposition products
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CDV, occ, exp.

Stand & surface grinding

Metals & Al_2O_3 dusts

CDV & oca. exp.

Be alloy shaping

Be - Cu dust

CDV, 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.

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 & SiC. 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.