FILE NAME: Westinghouse (WH)

DATE: 0000

DOC#: WH137

DOCUMENT DESCRIPTION: Barry Castleman Notes on WH East Pittsburgh, with Documents

Westinghouse East Pittsburg

- 1972 Inspection at electric vehicle plant with Occupation/Hazard forms asbestos dust documented for several occupations: vehicle wireman, upholsterer packer, maintenance man
- 1972 Operation/Hazard/Control Measure matrix

Fatality: 5/23/72 pb

OSHA 166-2 7/70

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH

PART 1 PAGE 1

OCCUPATIONAL HEALTH

Keep to O.O. : 3/18/75 mc

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (NSN)

1. ESTABLISHMENT—NAME, ADDRESS, ZIP CODE	2. PERSON INTERVIEWED—NAME, TITLE, TEL. NO.
Westinghouse Electric Corp. Home Good/Braddock Electric Vehicle Plant 320 Washington Blvd Pgh. Pa 15206	Vernon G. Heboard - P.M. 412-256-3980
	SAFETY SUPERVISOR: Vernon G. Heboard

LEGAL OWNER—NAME, ADDRESS: Westinghouse Electric Corp Pgh., Pa 15222

3. CARD CODE (1)	4. DATE (MO. DAY YR.) (2-3, 4-5, 6-7)	5. STATE CODE (8-9)	6. COMPANY NUMBER (10-15)
1	05/12/72	42	500166

7. (1) ORIGINAL INSPECTION - STATE & NSN (2) Original Inspection - NSN (3) Reinspection - NSN — (16) 2

8. What is your Chief Product or Service? Electric Vehicles — SIC (17-20) 3711

9. SIZE CODE? (Based on Total Number of Employees) (1) 1-3 (2) 4-7 (3) 8-19 (4) 20-49 (5) 50-99 (6) 100-249 (7) 250-499 (8) 500-999 (9) 1,000 & — (21) 3

10. HOW MANY SHIFTS DO YOU HAVE? one

11. HOW MANY PEOPLE ARE ON THIS PLANT'S PAYROLL AT THE PRESENT TIME? (22-26) 00012

12. OF THIS NUMBER, HOW MANY ARE NORMALLY IN THE WORK AREA AS OPPOSED TO THE OFFICE OR OUTSIDE AREA? (27-31) 00013

13. OF THOSE IN THE WORK AREA WHAT APPROXIMATE PERCENTAGE IS MALE? (32-33) 99

14. DOES THIS PLANT DO FEDERAL CONTRACT WORK? (1) Yes, Prime Contractor, (2) No, (3) Yes, Subcontractor, (4) Don't Know — (34) 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) 2

His Name, Address and Telephone Number: W. Speicher East Pgh. Bldg 26 East Pgh. Pa 15112 412-256-2378

B. ESTIMATE THE AVERAGE NUMBER OF INDUSTRIAL HYGIENE MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK. (36-37) 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. — (38) 3

His Name, Address and Zip Code: J. R. Donnenfeld MD 131 N. Highland Avell Pa 152 412-471-7300

B. ESTIMATE THE AVERAGE NUMBER OF PHYSICIAN MAN-HOURS THAT ARE DEVOTED TO YOUR PLANT PER WEEK. (39-40) 00

17. A. DO YOU HAVE A REGISTERED NURSE IN YOUR FACILITY AT A REGULAR TIME? (1) Yes, R.N., (2) Yes, L.P.N., (3) Yes, Both, (4) No — (41) 4

B. ESTIMATE THE AVERAGE NUMBER OF NURSING MAN-HOURS THAT ARE DEVOTED TO YOUR PARTICULAR PLANT PER WEEK. (42-43) 00

REGION COPY

NEVER USE X-RAY.

PART 1 PAGE 2

18. A. DO YOU HAVE AN EMPLOYEE RESPONSIBLE FOR GIVING FIRST-AID WHEN NO DOCTOR OR NURSE IS PRESENT? 45 [1]
(1) Yes, (2) No, (3) Not Applicable

B. DOES HE HAVE ANY FORMAL FIRST-AID TRAINING? 46 [4]
(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 FORMS? 47 [1]
(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? 48 [1]
(1) Yes, All Employees, (2) Yes, Some Employees, (3) No,

20. A. DO YOU PROVIDE PERIODIC MEDICAL EXAMINATIONS FOR YOUR EMPLOYEES IN HAZARDOUS JOBS? 49 [4]
(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? 50 [4]
(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? 51 [4]
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable

D. DO YOU PROVIDE PERIODIC PHYSIOLOGICAL FUNCTION TESTS (Excluding Audiograms) WHERE APPROPRIATE? 52 [4]
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable

E. DO YOU PROVIDE PERIODIC CHEST X-RAYS WHERE APPROPRIATE? 53 [4]
(1) Yes, Adequate, (2) Yes, Inadequate, (3) No, (4) Not Applicable

21. DO YOU HAVE AN IMMUNIZATION PROGRAM? 54 [1]
(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, 55 [3]
(4) Kept, Showing Nature of Sickness

B. WHAT IS YOUR AVERAGE ABSENTEE RATE? (Days/Year/Employee) 56 - 57 [2][5]
(Don't Know Coded as 99)

23. DOES YOUR COMPANY HAVE A FORMAL SAFETY PROGRAM? 58 [1]
(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) _____ 59 [2]
(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, 60 [2]
WHAT KINDS _____
OF HAZARDS? _____
_____

26. HAVE YOU HAD ANY OCCUPATIONAL DISEASE IN YOUR PLANT IN THE LAST YEAR? 61 [1]
(1) Yes, Dermatos (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? 62 [1]
(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? 63 - 64 [0][2]

29. HOW OFTEN (in Years) SHOULD THIS PLANT BE ROUTINELY INSPECTED? 65 [3]

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1975-184 1-YD

PART 1 PAGE 2

30. THIS PLANT HAS A HEALTH CONDITION(S) WHICH WARRANTS INVESTIGATION:
(1) Immediately (2) Within One Year (3) Not 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 (2) Yes, Conditional Approval (3) Yes, No Approval (4) No — 70: 4

B. ARTICLE 43A: (1) Yes, Complete Approval (2) Yes, Conditional Approval (3) Yes, No Approval (4) No — 71: 4

C. ARTICLE 42A: (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: 502

34. TOTAL AS RISK (From Part II) — 77-80: 0012

REMARKS: Company produces 2 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 Phosphatizing ⑤ paint spray ⑥ Drying ovens, and turret lathes. Trade name products used: ① Parco Coat 2554, Hooker Chemical Co. ② Traffic Tred Paint, Watson Standard Paint Co. ③ Automotive Alkyd Enamel, Sherwin Williams, and ④ Reducer RK54, Sherwin-Williams.

INSPECTED BY: J. Ray Brown 0-041 — 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

CARD CODE (1) 2 | STATE CODE (2-9) 4 2 | COMPANY NUMBER (10-15)

EMPLOYEES				EXPOSURES				
OCCUPATION DESCRIPTION	OCCUPATION 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
upholster / packer	99		001	TOTAL		001		
	99			wood dust	9410	001		
	99			noise, intermittent	1120	201		
	99			3M 77 adhesive	5777	001		
	99			urethane dust	5111	001		
	99			Fabric dust	9130	001		
Power train assembler	99		002	TOTAL		002		
	99			Sodium hydroxide	8160	002		
	99			clayton steam cleaning compound	5005	002		
	99			iron oxide fume	1540	002		
	99			IR	5140	002		
	99			UV	5141	202		
	99			welding gases	5143	003		
	99			ARGON gas	0643	002		
	99			oil mist	5150	002		

TOTAL THIS PAGE: 3 | TOTAL AT RISK (37-40): | CONTINUED NEXT PAGE

1 - COMPLETE SURVEY (41): 1
2 - PARTIAL SURVEY

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H232.184.37.10

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION (PSNI) PART II

CARD CODE 2 | STATE CODE 42 | COMPANY NUMBER 5100 1/6/K

EMPLOYEES				EXPOSURES				
OCCUPATION DESCRIPTION	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	E 34-36
Welder	24	001	001	Total		001		
	24			IRON OXIDE FUME	1510	001		
	24			IR	5110	001		
	24			UV	5120	001		
	24			Welding Gases	5130	001		
Cut-off Bander	22	001	001	Total		001		
	22			IRON OXIDE DUST	1510	001		
	22			noise impact	2120	001		
Turret Lathe Operator	12	001	001	Total		001		
	12			IRON OXIDE DUST	1510	001		
	12			oil mist	3010	001		
	12			noise, continuous	2110	001		
Final Assembly Welder	24	002	002	Total		002		
	24			IRON OXIDE FUME	1510	002		
	24			IR	5120	002		

TOTAL THIS PAGE: 5

TOTAL AT RISK (37-40):

1 - COMPLETE SURVEY
2 - PARTIAL SURVEY (41): 1

CONTINUED NEXT PAGE

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

PENNSYLVANIA OCCUPATIONAL HEALTH INSPECTION INSN PART II

PAGE 3 OF 7

CARD CODE 2 (1)

STATE CODE 42 (8-9)

COMPANY NUMBER (10-15)

EMPLOYEES				EXPOSURES				
OCCUPATION		TOT. EST. W/I OCC. IP.O.I* (18-20)	TOT. EST. AT RISK (21-23)	HAZARD	HAZARD CODE (24-27)	A (28-30)	M (31-33)	I (34-36)
DESCRIPTION	CODE (16-17)							
	29			UV	2717	002		
	29			welding Gases	2713	002		
	29			ARGon Gas	2710	002		
Painter	16	201	001	Total		001		
	16			Paraco Coat 2554	5712	001		
	16			TRAFFIC TRED MIST	5712	001		
	16			enamel MIST	5715	001		
	16			RKEY Vapor	2708	001		
	16			heat, dry	2703	001		
	16			carbon dioxide	2701	001		
	16			carbon monoxide	2702	001		
	16			oxides of nitrogen	2706	001		
Vehicle Wrecker	99	001		Total		001		
	99			Asbestos dust	9015	001		
	99			noise Intermittent	9102	001		

TOTAL THIS PAGE: 2

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

CARD CODE (1) 2 | STATE CODE (8-9) 4 2 | COMPANY NUMBER (10-18)

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					
Assembler	99	001		Total		001		
	99			noise, intermittent	2120	001		
	99			oil vapor	5027	001		
Maintenance Man	68	001		Total		001		
	68			iron oxide fume	1506	001		
	68			IR	9206	001		
	68			UV	9210	001		
	68			welding gases	5100	001		
	68			asbestos dust	9202	001		
Upholstery Worker	99			asbestos dust	9202	001		

TOTAL THIS PAGE: 2

TOTAL AT RISK (37-40): 0012

1 - COMPLETE SURVEY (41)
2 - PARTIAL SURVEY: 1

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REGION COPY

continued - Page 2

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

OPERATION	HAZARD	CONTROL MEASURE
Heating (gas)	Heat, CO & CO_2 Gases	Closed oven, G.A.D.
Forging	Heat, I.R. Rad., Fe_xO_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
MF		
Burning - 6 (O_2 & natural gas)	Fe_xO_x Fumes, CO, CO_2 & N_xO_x Gases, I.R. Rad.	do.
Plasma Torch	Fe_xO_x Fumes, CO, CO_2, O_3 & N_xO_x Gases, I.R. & U.V. Rad.	L.E.V. to the outside, protect. clothing
Sawing - 2	Fe_xO_x Dust, Oil Mist (H_2O Sol.) Derm., Noise	L.E.V. to two collectors, per. hyg., short duration noise, ear protect. devices avail.
Welding - 20 (arc)	Fe_xO_x Fumes, CO, CO_2, O_3 & N_xO_x Gases, I.R. & U.V. Rad.	G.A.D., protect. clothing, roof fans

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

OPERATION	HAZARD	CONTROL MEASURE
D Aisle		
Sanding	Micarta & Emery Dusts	L.E.V. to dust collector
Testing	Noise	Ear protect. devices worn
Milling & Lathing	Fe_xO_x Dust	G.A.D
C Aisle		
Milling - 2	do.	do.
Grinding	do. + Carborundum Dusts	do.
Welding - 6 (arc)	Fe_xO_x Fumes, CO, CO_2, O_3 & N_xO_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_xO_x Gases, I.R. Rad.	L.E.V. to the outside, protect. clothing

continued - Page 27

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

OPERATION	HAZARD	CONTROL MEASURE
Acid Dip	HNO_3 & H_2SO_4 Vapors, N_2O_2 & 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_2O 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_xO_y & Cu Dusts, Oil Mist, Derm.	G.A.D., protect. clothing, per. hyg.
R-60		
Assembly	Noise	Sporad. exp.
Spraying Asphalt	Asphalt Vapor, Asbestos Dust, Derm.	G.A.D., material is a thick goo, protect. clothing, per. hyg.

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

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