

FILE NAME: Westinghouse Pennsylvania Archives (WHPA)

DATE: 1962-1969

DOC#: WHPA010

DOCUMENT DESCRIPTION: WH Ceramic Documents

Westinghouse Ceramic

- No asbestos specific info
- 1969 Field Report
- 1968 summary of inspection
- 1968 Field Report with Operation/Hazard/Control Measure matrix
- 1967 summary of inspection for exposure to silica dust
- 1967 dust studies and lab report
- 1967 field report with Operation/Hazard/Control Measure matrix
- 1964 nursing consultation
- 1962 Operation/Hazard/Control Measure matrix

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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PA Historical & Museum Commission

BY D. A. Klimchok

RIH
WINS 1.5

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.

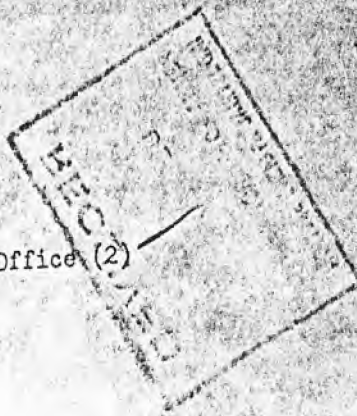
The above recommendation should be accomplished within fifteen (15) days following the receipt of this letter.

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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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. Klimchuck 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

Tool Shop

Drilling	Pb 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

New Bldg. - "T" Bldg.

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.

Grinding Department

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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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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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: 717-221-2100

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 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

F/U

587

ADDRESS W. 3rd Street, Derry, Pennsylvania 15627

Assistant Manager of

TITLE Industrial Relations

PERSON INTERVIEWED Mr. R. H. Lawry

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 350 North Street, Harrisburg, PA 17120-0090

DETERM. MADE

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

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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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 LEV 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.

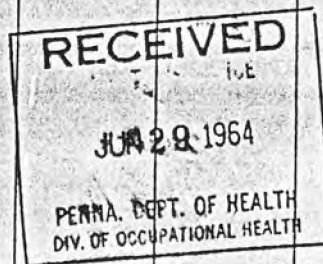
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

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: Mr. Richard Lawry, Assistant Personnel Director		PRODUCT MANUFACTURED Insulators
MANAGEMENT WITH ADMINISTRATIVE RESPONSIBILITY FOR HEALTH SERVICE: Mr. E. D. Mills		
SICK AND ACCIDENT INSURANCE CARRIER: Metropolitan		COMPENSATION INSURANCE CARRIER: 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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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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 350 North Street, Harrisburg, PA 17100

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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PA Historical & Museum Commission

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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