

LW.7 WILMINGTON AUDIT 1980

SAFETY & HEALTH AUDIT
Questionnaire

July 80
L. Johnson

- A. General information about facility, product, and organization.
 - B. Safety program analysis.
 - C. Physical inspection.
-

A. GENERAL INFORMATION

- 1. Division: Industrial Div Location: W. Va.
- 2. Approximate Acres: 30 Number of Major Buildings: 3 wks 2 offices
- 3. Approximate Number of Hourly Personnel: 600 Salaried: 150
- 4. Normal Work Schedule, Days: 5 Shifts: 2
- 5. Attach Plan Drawing of Location.
- 6. List Major Products: Pickup trailers, tube panels, ducts
spare parts (brakes), economizer sections, heating,
flat metal segments
- 7. Outline Facility Organization Down to Safety Function: _____
Plant Mgr
Pers Mgr.
Safety Dir Superv
Nurse
- 8. Additional Comments: _____

1. Detail safety function organization (should mesh with A7): _____

2. Is there a written, published, general, safety policy statement? _____
 From whom? yes (ATTACHED) Sm
3. Are there mandatory positions on these items, and are there written policy statements?
- | | | | | |
|--------------------|--------------|-------------|---------------------|-------------|
| a. Eye Protection | Yes <u>✓</u> | No _____ | Policy <u>✓</u> | } <u>Sm</u> |
| b. Head Protection | Yes <u>✓</u> | No _____ | Policy <u>Rules</u> | |
| c. Foot Protection | Yes <u>✓</u> | No <u>✓</u> | Policy <u>Rules</u> | |
| d. visitor policy | | | | |
4. What is the Rx safety glasses issue policy? _____
see above
5. Are ^{PP gear} ~~hard hats~~ issued free? first issue = F | periods = 2 | other stuff
glasses = RX 1/2 | HH = F then cost | tool crib
6. Are safety shoes subsidized? \$10 twice a year what rate? Sm
7. Are safety shoes stocked? strictly mail order + shoe mobil
bi-monthly
8. Are standard cotton work gloves issued free? no
 If not, at what cost? ?
leather
leather / fabric
9. Is necessary personal protective equipment generally available (and free) for employees whose job assignment requires it? Examples: aprons, welder's hoods, sleeves, special gloves, respirators, faceshields, etc. _____
inconsistent.
- The shop gives aprons/sleeves to welders ? glasses
another shop may not ex prot carried by
respir Larry
shop
hats

AUDIT QUESTIONNAIRE
B. SAFETY PROGRAM (Cont'd)

2.3A
Page 3 of 14

10. Are there safe work practice rules issued and enforced on these items, and is there formal training?

10. a. Lift Truck Operation Rules Enforced Training Test + video
b. Crane Operation Rules Enforced Training Test + video
c. Heavy Machinery Operation Rules Enforced Training
d. Welding and Cutting Rules Enforced Training
e. General Plant Safety Rules Enforced Training

no other
except

11. Is there formal, new employee, safety orientation?

Classroom ✓ Individual ✓

Approximate Total Time Spent 2 HRS

Visual Aids Used slide, OH, films, card

Booklet of Safety Rules Issued CARD (Get Copy)

Personal Protective Gear Issued and Policies Explained ✓

Additional Comments:

Jan 80 last one done 1 person
Nov 79 group 8-10 people
Sept 79 group 30

in SM: pointers
punch span
plans - JIC
CSCite
JSA = unit 11 serv. done
tube shop starting
all + reg'd job
✓: Air Air, Shipping
Personal Protective Gear
Respirator, etc.
Sand blasting, etc.

non-safety print = 30 mins +
30 mins

12. What is the extent of shop supervisor safety training?

New Foremen

Letting them to read
the safety manual
with them

Existing Foremen

3 yrs ago
Stew Chevenak
course

13. Are there general workforce safety meetings?

Frequency

bi-weekly

Size of Groups

20-30

Length of Meetings

5-15 min

Is subject matter provided?

LJ = Safety Newsletter

By Whom?

↑

Additional Comments:

Foremen

Rpt to Dept + No rpt except when there is something
to rpt to Safety Office

see Xerox

AUDIT QUESTIONNAIRE
B. SAFETY PROGRAM (Cont'd)

2.3A
Page 5 of 14

14. Are there active safety committees?

	<u>Management</u>	<u>Labor/Management</u>
a. Size of Committee	<u>8</u>	
b. Frequency of Meetings	<u>M</u>	
c. Minutes Published	<u>yes</u>	
d. Effective Follow-Up		
e. Who Chairs?	<u>SS</u>	
f. Inspections Conducted	<u>NO</u>	
g. Policy Reviewed		
h. Priorities Reviewed		
i. How are members selected?		
j. Do they, as a group, have first-aid or fire control training?		

k. Additional Comments:

WK mGR
Shop Oper
F&E mGR
Pers "
Fac Engr
M&E Supt
Nurse
Safety Supv

15. Is there effective accident investigation?

a. Get sample investigation form! AIR

b. Who completes form? Supervisor

c. Which cases are form used for? Mod & LT

d. Who reviews completed forms? Supervisor & SS

e. Additional Comments: _____

16. Is recordkeeping in compliance?

a. Get copies of OSHA 102's for 1972 and on!

b. Scan Log 100 for current year and last year!

c. Is "OMB No. 44R 1453" being used as log? _____

d. If no, then is B&W Computerized Log being used? Yes

e. Is additional part-of-body detail being provided on B&W Log? No

f. Choose random cases from current log and get copies of supplemental accident report (101 or equivalent)!

g. Additional Comments: 4 LT's cy80

h. Is OSHA poster at a central location? Yes

17. Is there periodic accident performance analysis?

- a. With what frequency are summaries prepared and issued? M
- b. By Whom? Nurse
- c. Get sample copy of latest summary! Clinic Rpt
- d. What is latest available D.I.F.R.? ~~9/6 I.R.~~ D.I.S.R.? ~~9/6 LWDIR~~
What period does this cover? Jan - June 80 1.07
- e. Show a national comparison performance figure and label source. _____
- f. Is performance data supplied to NSC contest? Metals Contest
What section? _____
- g. Is performance data supplied to any trade organizations?
List ABMA
IOFA
- h. Additional Comments: _____

18. Are "other" records required by OSHA compiled and retrievable?

Show frequency!

- a. ~~Crane~~ P.M. program (repair history) 2:05
- b. Crane Rope Inspection in house PM Once a week - Both ends
- c. Slings Inspected Quarterly 3/15 - 3/19 Steel
- d. Hooks, NDT Annually (rec) in house V
- e. Fire Extinguisher Maintenance M & C monthly
- f. Radiation Exposure R - pe = QA - Rad. Saf. Officer
- g. Lead Fume Exposure none
- h. Asbestos Fiber Exposure Some FM protect assets
- i. Flammable Liquid Inventory _____
- SM = j. Respirator Assignments and Maintenance all are MIOSH - no rental repair, cleaning
- k. Crawler, Locomotive, Truck Crane Inspections _____
- l. Power Press Inspections Daily (X) = Bay 1 Circum 1 & 2 Bay 2
- m. Resistance Welder Inspections stud welders

Bay 1 W
4 E

AUDIT QUESTIONNAIRE

B. SAFETY PROGRAM (Cont'd)

2.3A

Page 9 of 14

19. A member of NSC?

If yes, are service and materials satisfactory? _____

20. Are there regular, formal, plant, safety inspections?

By whom and what frequency?

List all that are routine, including insurance, fire department, and safety committees: _____

WEEKLY
Superv
Supt
SC member
SS upon request

SS + in of trip

WEEKLY

AUDIT QUESTIONNAIRE
B. SAFETY PROGRAM (Cont'd)

2.3A
Page 12 of 14

23. Is there a respiratory protection program that includes these items?

- a. Written policy/procedure SM
- b. Selection of proper protection for the hazard at hand _____
- c. Proper fitting and wearing instructions given _____
- d. Periodic inspection to insure integrity of units _____
- e. Proper maintenance and repairs _____
- f. Who does b thru e? _____
- g. Additional Comments: _____

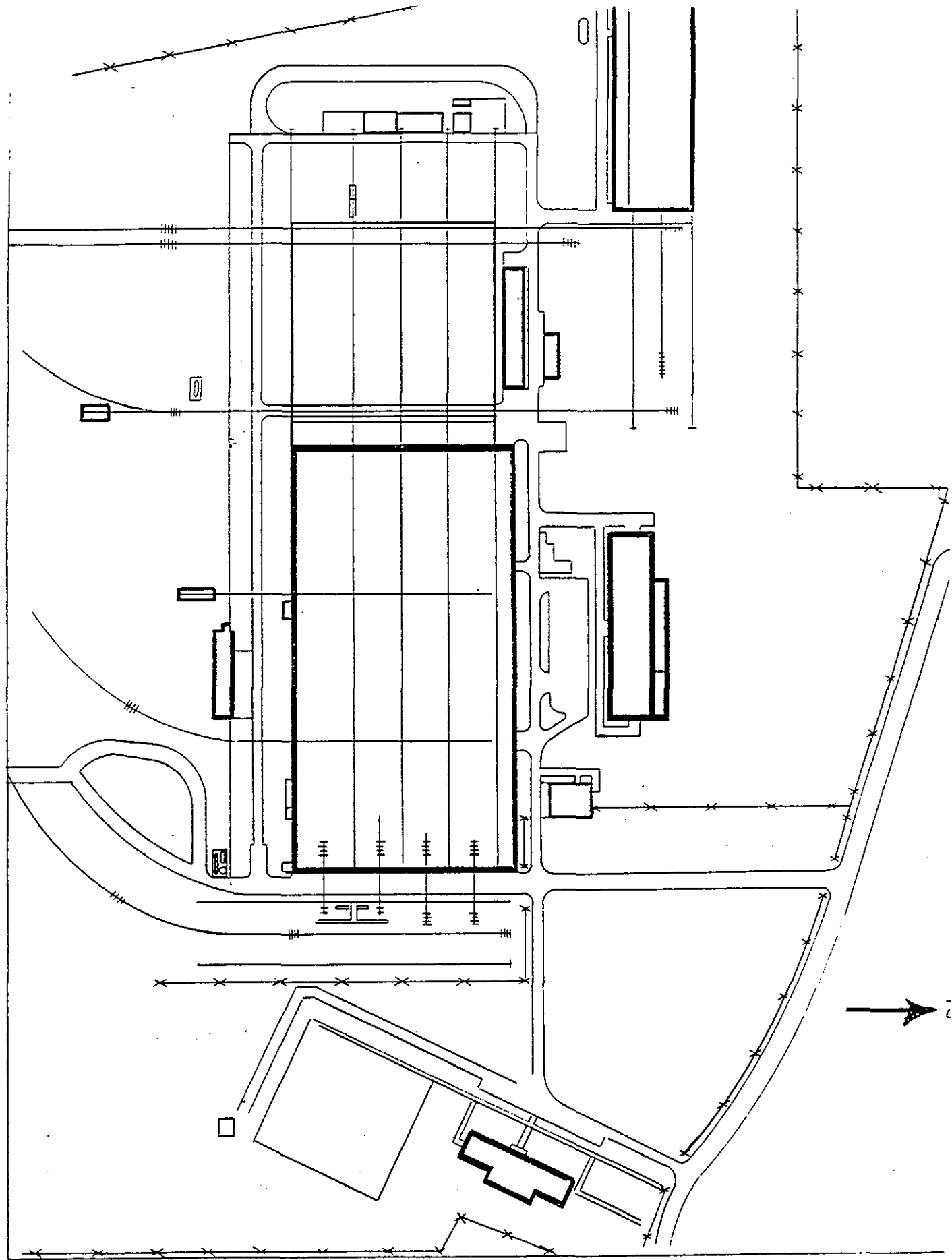
ANSWER = yes

24. Is there a hearing conservation program?

- a. Entrance, base audiograms taken and kept yes
- b. At least annual general noise surveys made high noise (2150)
- c. Dosimeter studies where warranted yes by VS
- d. Areas or jobs where ear plugs are mandatory 9 HCI
- e. Is ear protection available to any who wish it yes
- f. Have hearing protectors been evaluated for effectiveness yes
- g. Additional Comments: Scott Tupa III

not sure

EAR Wilson
3/1/80
SILVER
MCH



PLANT	WILMINGTON WORKS
DIVISION	INDUSTRIAL AND MARINE
LOCATION	WILMINGTON, N.C.

[illegible]

PLANT WILMINGTON WORKS
DIVISION INDUSTRIAL & MARINE
LOCATION WILMINGTON N. C.

LOCATION <u>WILMINGTON N.C.</u>				RESULTS			
SAMPLE NUMBER	SAMPLE DATE	EMPLOYEE NAME/NUMBER	JOB TITLE	WORK STATION LOCATION	TYPE OF SAMPLE	SAMPLE DURATION	Air Contaminant Concentration Mg/M Mineral Spirits *
Applicable	Health Standards						
QSHA - Permissible Exposure Limits (1910.1000)						480 Min.	2000
<u>PAINTER</u>							
W #1	3/19/81	Williams, H. 2960	Painter	Outside Bays	BZ	375 Min.	8.98
NOTE - Result is reported as a Time Weighted Average, time weighted over the indicated sample duration.							
BZ - Breathing Zone							
*Mineral Spirits - Petroleum Distillates (naphtha)							
REM 5/81							

Babcock & Wilcox

To E. O. HOOKER - PLANT MANAGER, WILMINGTON

GC 6060-1

From R. E. MOORE - CORPORATE SAFETY & HEALTH - BARBERTON

File No. LW.12

or Ref. LW.13

Subj. INDUSTRIAL HYGIENE SURVEY RESULTS

Date May 21, 1981

During the week of March 16, 1981, the Industrial Hygiene portion of the 1980 Safety & Health Audit was conducted. This report summarizes the results of the employee exposure monitoring that was done at that time.

The employees sampled and the types of contaminants sampled for are listed below.

Employees Sampled

Contaminant Sampled

Welders (4)

- a) Total Suspended Particulate (TSPM)
- b) Iron Oxide (Fe_2O_3)

Painters (2)

- a) Paint Particulate (TSPM)
- b) Lead (Pb)
- c) Chromium (Cr)
- d) Mineral Spirits

The employees sampled wore personal sampling equipment that measured the concentration of air contaminants in their breathing zone as they performed their scheduled work routines. These employees were selected as being representative of the typical type of exposure that painters and welders would have at the Wilmington Works.

Results (See Enclosed Data Sheets)

The sample results indicate that on the day of the sampling none of the employees sampled were exposed to contaminant concentrations that exceed OSHA's permissible exposure limits or any other generally recognized safe exposure limits.

This, I believe, is representative of the degree of exposure that the majority of welders and painters have at Wilmington. The exception would be welding or painting within confined spaces which could cause a substantial increase in employee exposure. This confined space problem can be adequately controlled by using air movers and work practices that reduce the employees exposure within the confined spaces.

These results must be kept on file in accordance with OSHA 1910.20.

If you have any further questions, please contact me.

Richard E. Moore

R. E. Moore

Corporate Industrial Hygienist

REM:jhm

Encl.

cc: B. G. Wombel

L. G. Johnson