FILE NAME: Sun Shipbuilding (SUN)

DATE: 0000

DOC#: SUN009

DOCUMENT DESCRIPTION: Sun Shipbuilding Docs from Chester PA with BC Notes

Sun Shipbuilding

11/28/61 Plant info record lists occ. hazards not incl. ash.

5/22/69 visited the company to deliver the film "Hidden Hazards"

3/28/69 State approves air recirculation system, whose approval the company requested 3/13/69

3/10/69 film "All in a Day's Work" shown to mgmt. who said it was "too technical" to show employees — refers to pipe insulation work for which the company had contacted "Carlo Stevens to do their asbestos dust counting."

Some other documents on welding and other hazards, incl. names of management officials.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
DIVISION OF INDUSTRIAL HYGIENE

PLANT INFORMATION RECORD

PLANT: Sun Shipbuilding & Dry Dock Company

ADDRESS: Foot of Morton Ave.

Chester, Pa.

PRODUCT OR SERVICE: Shipbuilding & repair

PERSON INTERVIEWED: William Feehan, Safety Engineer

PHYSICIAN: C. E. Feddermar, M. D.

Chester, Pa.

DENTIST: none First aid: Mr. Noel

NURSE: Mrs. Foley & Miss Finnegan, R. N. Mr. Orangers

First aid: Mr. Noel and Mr. Shields

SAFETY SUPERVISOR: Safety Department (6 men staff)

INDUSTRIAL HYGIENIST: none

INSURANCE CARRIER: self-insured

LEGAL OWNER: Sun Oil Company

RECOMMENDATIONS: none

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Historical Records
PA STATE ARCHIVES
Harrisburg, PA
Commission

REMARKS: Plant manufacturers tankers and cargo ships. Also some repair work done on recommissioned naval vessels. Active ~~safety~~ safety program in plant. Modern medical facilities.

No previous punch card on file

TYPE OF VISIT: Inspection DATE: Nov. 28, 1961 BY: Szabo

LIST HAZARDS AND CONTROL MEASURES ON REVERSE SIDE

OPERATION	HAZARD	CONTROL MEASURE
Receiving		
Metal Burning	iron oxide fumes, ozone, I.R.	automatic operation
	heat, oxides of nitrogen	general ventilation
Sheering	steel dust, dermatitis	personal hygiene &
	noise (no measurement)	general ventilation
Welding		
Electric }	iron oxide fumes, ozone, U.V.I.R.	welder's helmet
Heliarc }	heat, oxides of nitrogen	general ventilation
Chipping	steeldust, silicon carbide dust - noise	general ventilation
Brake	steel dust, noise	general ventilation
Annealing	iron oxide fumes, CO, CO2 gas	general ventilation
(oil fired)	heat, dermatitis	personal hygiene
Forging	steel dust, heat	general ventilation
	dermatitis	personal hygiene
Quenching	smoke, heat, oil mist	general ventilation
	dermatitis	personal hygiene
Spray Painting	paint pigment mist	respirators, air line mask
	Toluol, Xylol vapor & mist	general ventilation fan in room
Radiography		
Cobalt 60 cameras	Gamma-radiation	distance, shielding
X-ray machine	X-radiation	distance, shielding

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PA Historical & Museum Commission

WH-19031 REV. 12-67

REGION I

PROD. MFG. OR SERVICE ship building

DATE OF ACTIVITY 5/22/69

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES	COUNTY
MALE	Delaware
FEMALE	IND. CODE
TOTAL 3000	3731

PLANT
Sun Shipbuilding & Dry Dock

ADDRESS
Chester Pa.

ZIP	PHONE
19013	215-SA6-9500

PERSON INTERVIEWED
Mr. Joseph Ross

TITLE
Chemist

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.
		See remarks			

SAMPLES COLLECTED (NO. & KIND) TOTAL

DETERM. MADE (NO. & KIND) TOTAL

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

PUNCH CARD	YES [X]	NO [ ]	FOLDER	YES [X]	NO [ ]

REMARKS:

Visited the company to delivery the filem "Hidded Hazards."

E. Nunez was out sick, film left with Ross.

Application of an Original Request
Please Credit:
PA STATE ARCHIVES
300 North Street, Harrisburg, PA 17120-0090
PA Historical & Museum Commission

BY W. Chrostek RIH LTG

WINS 0

COMMONWEALTH OF PENNSYLVANIA

4-7-69
4/9

SUBJECT: Sun Shipbuilding Co Chester

THRU: Ronald T. Richards, Ind. Hygienist
Division of Occupational Health

FROM Leon Gonaker
Reg I
Central Office
Harrisburg

TO OHP

Our records show survey pending for 310.

Refer to FA dated 10-10-68.

Indicate below on this memo what you plan to do and return the carbon copy to us. This file is in suspense pending clarification.

4/10/69
(date)

A survey will be conducted at the above plant in the next two weeks.

W. Chostek
OHP 4-11-69

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

1400 West Spring Garden Street
Philadelphia, Pennsylvania 19130

March 28, 1969

Sun Shipbuilding and Dry Dock Company
Foot of Morton Avenue
Chester, Pennsylvania 19013

Attention: Mr. William Acton
Manager of Industrial Relations

Gentlemen:

Approval is granted to use the air recirculation systems (8 units) which you specify in your application of March 13, 1969.

Any alteration to or change in the material handled by the systems, or any additional systems, will require another request for approval.

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

Very truly yours,

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

LTC/p

Enclosures

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HIH-19003 REV. 12-67

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

REGION I

PROD. MFG. OR SERVICE ship building

DATE OF ACTIVITY 3/18/69

EMPLOYEES
MALE
FEMALE
TOTAL 3,000

COUNTY Delaware

IND. CODE 3731

PLANT Sun Shipbuilding & Dry Dock Co.

ADDRESS Chester Pa.

ZIP 19013

PHONE 215-SA6-9500

PERSON INTERVIEWED Mr. William Acton

TITLE Mgr. of Ind. Relations

PURPOSE: INVEST.; SURVEY; INSPECT.; PRELIM.; F.U.; CONS.; VISIT; letter from company

REASON: SELF-INIT.; O.D. REP.; COMPL.; REQUEST; SOURCE; 30 day reply requested

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS R(10/11/68) WRITTEN - - - VERBAL	ACCOMPLISHED YES	NO	IN PROG.
Air recirculation	50	Request permission to recirculate air	x		

SAMPLES COLLECTED (NO. & KIND) TOTAL

DETERM. MADE (NO. & KIND) TOTAL

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

PUNCH CARD YES [X] NO [ ] FOLDER YES [X] NO [ ]

REMARKS:

Attached are the A.R. forms to be submitted to committee for review.

Addendum:
Discussed w J.W.K. by phone 3/25/69

Approved
DDD

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BY W. Chrostek RIH LTG

WINS 0

SUN SHIPBUILDING & DRY DOCK CO.

CHESTER, PENNSYLVANIA

R. GALLOWAY
VICE PRESIDENT
DIRECTOR OF OPERATIONS

March 13, 1969

Mr. Leon T. Gonshor
Regional Industrial Hygienist
Human Services - Region I
Department of Health
1400 West Spring Garden Street
Philadelphia, Pennsylvania 19130

Dear Mr. Gonshor:

We are enclosing an application for approval of Air Recirculation System. You will note that the application covers eight (8) machines that are used in our 47 Fabricating Shop. We are also attaching a sketch of the Fab Shop and you will note that we have indicated in red openings to the outside. This sketch also shows the size of these openings.

I regret the delay in submitting this application; it was misplaced.

Very truly yours,

Wm. Acton

WM. ACTON
Manager of Industrial Relations

WA:cm
Enc.

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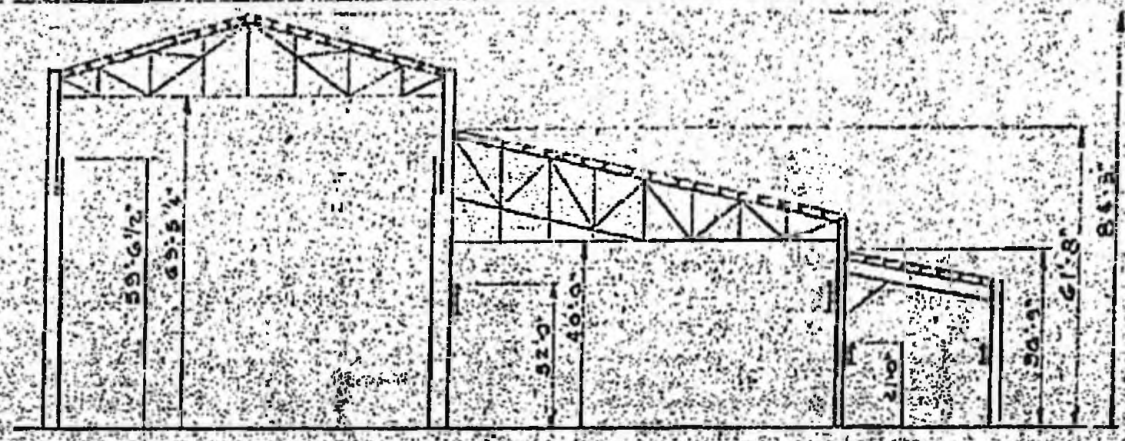
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BLDG. CONST. CORR. ASBESTOS

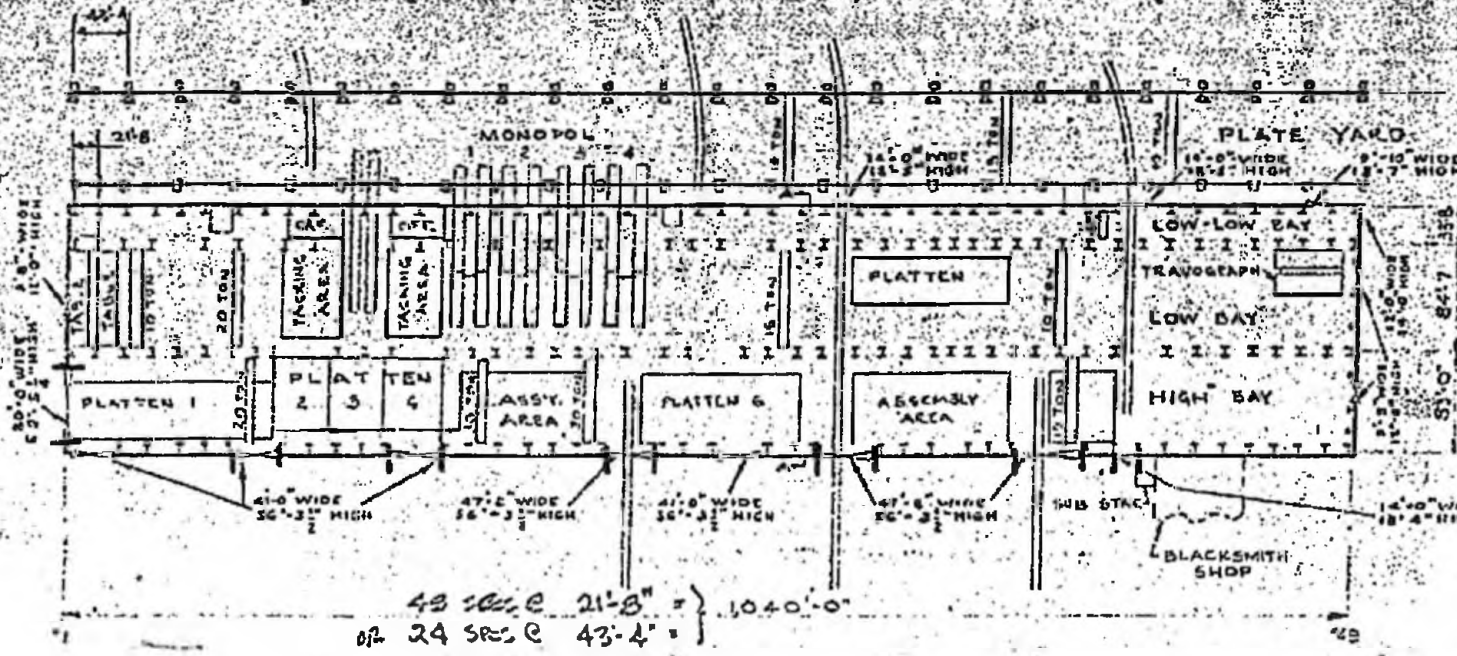
ROOF " " "

FLOOR AREA 209,300 SQ. FT.

FLOOR CONST. DIRT



SECTION "A-A"



PLAN

CRANE DATA

CRANE NO.	SPAN	HOOK HT.	RAIL HT.	CAP. (MAIN)	CAP. (AUX.)
15-2042	80'	57'-1	60'	20T	15T
15-3051	80'	57'-1	60'	30T	5T
15-3054	80'	57'-4	60'	30T	10T
15-1515	80'	52'-5	60'	15T	-
15-1057	80'	28'-8	32'	10T	5T
15-2057	80'	29'-10	32'	20T	5T
15-1511	80'	28'-4	32'	15T	-
15-1058	80'	29'-5	32'	10T	5T
15-1015	30'	18'-5	21'	15T	-
15-1513	76'-6	53'-7	56'-3	15T	-
15-1013	76'-6	53'-7	56'-3	10T	-

SUN SHIPBUILDING & D.D.CO. C. Y. FAB. SHOP DATE 8-22-62	BLDG. NO. 25

11 INDICATES OPENINGS AND SIZE TO OUTSIDE

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MIH-18733

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

EACH SYSTEM REQUIRES SEPARATE APPLICATION

APPLICATION FOR APPROVAL OF AIR RECIRCULATION SYSTEM

DATE March 13, 69

350 PLANT NAME & NUMBER
PA Sun Shipbuilding & Dry Dock Company

ADDRESS
Foot of Morton Avenue

CITY AND ZIP CODE
Chester, Pennsylvania 19013

COUNTY
Delaware

CONTAMINANTS COLLECTED
Ferric Oxide
Zinc

LOCATION OF AIR RECIRCULATION SYSTEM (DEPARTMENT, BUILDING, ROOM, ETC.)
Eight (8) machines in 47 Fabrication Shop.

LIST OPERATIONS EXHAUST VENTILATED TO COLLECTOR AND ALL MATERIALS USED IN THESE OPERATIONS

OPERATIONS	MATERIALS USED IN OPERATION (SPECIFIC INGREDIENTS)
Vacu-blasting	Steel Shot

AIR RECIRCULATION SYSTEM INFORMATION

MANUFACTURER OF COLLECTOR Chamberlain's Vacu-Blast Sales Co., Inc. Cinnaminson, NJ.

MODEL NUMBER: S-1-HPASF-50-U4

TYPE COLLECTOR: Vacu-blaster

AIR VOLUME RATE OF SYSTEM: 55 CFM

DAILY OPERATION TIME: 6 Hours

COLLECTOR EFFICIENCY DATA: 95% by centrifugal cyclone. The rest collected by a dust pot and dust bag collector.

MAINTENANCE PROGRAM (DESCRIBE): Dust pot and filters and emptied each shift.

DIMENSIONS OF ROOM TO WHICH AIR IS RECIRCULATED

47 Shop

LENGTH: 1,040 FT.
WIDTH: 201 FT.
HEIGHT: 84 FT.

NUMBER OF EMPLOYEES IN THE AREA: FULL TIME Approx. 50; PART TIME

SOURCE OF MAKE-UP AIR: Natural Ventilation

QUANTITY OF MAKE-UP AIR SUPPLIED TO AREA: Natural Ventilation CFM

OTHER EXHAUST VENTILATION SYSTEMS IN THE AREA (DESCRIBE): None

LIST SPECIFIC REASONS WHY SYSTEM CANNOT BE EXHAUSTED TO THE OUTSIDE: Nature of machine essentially is a vacuum cleaner.

TITLE: Manager of Industrial Relations

SIGNATURE: R. Tom Dolan

PHONE: TR 6-9121

EXTENSION NUMBER: 454

FOR DEPARTMENTAL USE ONLY

APPLICATION NO.

REGION I	DATE REC'D 3/18/69	BY WC	
COMMITTEE	DATE REC'D	BY	
REGION	DATE REC'D	BY	
PLANT NOTIFIED	DATE NOTIFIED 3/28/69	BY	

☑ REGION REPORT AND RECOMMENDATIONS ON REVERSE SIDE

COMMITTEE ACTION: ☐ APPROVED ☐ DISAPPROVED ☐ APPROVED (CONDITIONAL)

CONDITIONS:

APPROVED
Pennsylvania Dept. of Health
Division of Occupational Health

3/28/69

(USE REVERSE SIDE FOR ADDITIONAL COMMENTS)

Considering contaminants (Zinc and iron oxide dusts) and size of building and opening, I recommend that these units be approved.

Walter Chrostek

O.K. - JDD 3/28/69 + J.W.H. by John



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Regional Office 1

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HIN-19003 REV. 12-67

REGION I

PROD. MFG. OR SERVICE Ship building

DATE OF ACTIVITY 3/10/69

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

1. File 1ft
2 Prod mgr 3. File

EMPLOYEES	COUNTY
MALE	Delaware
FEMALE	IND. CODE
TOTAL 5,000	3731

PLANT: Sun Ship Buidling Company

ADDRESS: Chester, Pa. | ZIP: 19013 | PHONE: 215-SA6-9500

PERSON INTERVIEWED: Mr. Lloyd Piccin | TITLE: Safety Director

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.
		See remarks			

SAMPLES COLLECTED (NO. & KIND) TOTAL

DETERM. MADE (NO. & KIND) TOTAL

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

PUNCH CARD YES [X] NO [ ] | FOLDER YES [X] NO [ ]

REMARKS:

A visit was made to the above company to show the film "All in a Days Work". Twelve people attended the showing all from safety and top management. The consensus of opinion was that the film was too technical and could not be shown to all employees. Company is going to request the film "Hidden Hazards" and see if it would not fit in better to their program.

During the course of my visit with Mr. Ross, chemist, at the above company, I learned that the company is going to start insulating pipes and has contacted Clarke Stevens to do their abstestos dust counting. This may be of interest to this department.

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BY W. Chrostek RIH LTG

WINS 2.0

HSH-19003 REV. 12-67

REGION I

PROD. MFG. OR SERVICE Ship Building

DATE OF ACTIVITY 1/9/69

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES
MALE
FEMALE
TOTAL 3,000

COUNTY Delaware

IND. CODE 3731

PLANT Sun Ship Building Company

ADDRESS Chester Pa

ZIP 19013

PHONE 215 SA6-9500

PERSON INTERVIEWED Mr. Joseph Ross

TITLE Chemist

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

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

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS R(10/11/68) WRITTEN - - VERBAL	ACCOMPLISHED YES	NO	IN PROG.
Recirculation	500	Request permission to recirculate air on vacuum blasters			

SAMPLES COLLECTED (NO. & KIND) TOTAL

DETERM. MADE (NO. & KIND) TOTAL

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

PUNCH CARD YES [X] NO [ ] FOLDER YES [X] NO [ ]

REMARKS:

Mr. Ross called this office and requested 3 sets of recirculation forms as they have three diffrent models. Forms were sent on 1/9/69.

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PA Historical & Museum Commission

BY W. Chrostek RIH LTC

WINS 8

1400 West Spring Garden Street
Philadelphia, Pennsylvania 19130

October 11, 1968

RECEIVED

Sun Shipbuilding and Drydock Company
Foot of Morton Street
Chester, Pennsylvania

Attention: Mr. William B. Acton
Manager of Industrial Relations

Gentlemen:

On October 10, 1968 Walter J. Chrostek, industrial hygienist, visited your plant. Mr. Joseph Ross, chemist, accompanied the industrial hygienist. As a result of this visit, the following recommendation is made:

> Request approval in accordance with Article 432, Section 6A, to recirculate air from the local exhaust ventilation system on the vacuum blaster. An application in triplicate is necessary (forms enclosed) and should be submitted to this office within 30 days. Please specify the number of units in use on the application.

Our Hygienic Information Guide entitled "Air Recirculation" and Article 432, as revised, are enclosed. If you have any questions, please let us know.

Very truly yours,

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

LTG/WJC/p

Enclosures

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10/14/68

1. Basic 5/8 1/2; Piedmont file

MIH-19003 REV. 12-67

REGION 7

PROD. MFG. OR SERVICE Shipbuilding

DATE OF ACTIVITY 10/10/68

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH

FIELD ACTIVITY REPORT

EMPLOYEES: MALE ____ FEMALE ____ TOTAL 3,000

COUNTY: Delaware

IND. CODE: 3731

PLANT: Sun Shipbuilding Company

ADDRESS: Chester. Penna.

ZIP: 19013

PHONE: 215 SA6 9500

PERSON INTERVIEWED: Mr. Joseph Ross - Mr. William Acton

TITLE: Chemist - Mgr. Ind. Relatic

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

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

SPECIFIC HAZARD OR CONDITION	WORKERS EXPOSED	RECOMMENDATIONS WRITTEN -- VERBAL	ACCOMPLISHED YES	NO	IN PROG.
Zinc oxide fumes recirculation	50	Request permission to recirculate air on vacuum blasters. (written 10/11/68)			

SAMPLES COLLECTED (NO. & KIND) ____ TOTAL ____

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

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

PUNCH CARD YES [X] NO [ ] FOLDER YES [X] NO [ ]

REMARKS:

Following a receipt of a complaint of men becoming sick as a result of exposure to zinc oxide fume during welding, a visit was made to the above plant. The complaint was from the company union to Mr. Oscar DiSilvestro of the United States Department of Labor.

Operations in question are tacking and welding steel which has been precoated with Amer Coat, 1 package Primer (Brea, Calif.) composition 25% Zn and 2% filler with the remainder being alcohols, glycols and polymers.

Company has performed their own monitoring and the results were analyzed by Delare Lab. Some of the results shown I. H. were:

	Total particulate	Zinc oxide
5/15/68	7 mg	1 mg
6/29/68	8 samples	
	3/7 - 22.8	1.8 - 3.6
	15 samples	
8/16/68	5.9 - 25.9	

Highest concentrations Ni 0.01
Cr Oy 0.09
F 2.0

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PA Historical & Museum Commission

(OVER)

BY Walter J. Chrostek RIH LTG

WINS 2.0

I. H. observed men during welding. Most of the men utilize blowers; however, I. H. was informed certain men objected to using blowers.

Company claimed they had no O. D. cases although they did have men claiming they felt bad.

Company had Dr. Brieger in for two days as a consultant.

A survey for ZnO will be done.

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OCT 15 1968
PENNA. DEPT. OF HEALTH
INDUSTRIAL HYGIENE SECTION

SUN SHIPBUILDING & DRY DOCK CO.

CHESTER, PENNSYLVANIA

E. GALLOWAY
VICE PRESIDENT
DIRECTOR OF OPERATIONS

October 23, 1967

RECEIVED
REGION VII
BUREAU OF ... SERVICES
OCT 25 1967
AM PM
7 8 9 10 11 12 1 2 3 4 5 6

Pennsylvania State Archives
Pa. Historical & Museum Commission
PA STATE ARCHIVES
300 North Street, Harrisburg, PA 17120-0090

Mr. Leon T. Gonshor
Regional Industrial Hyglenist
Commonwealth of Pennsylvania
Department of Health
Region 7
1400 W. Spring Garden Street
Philadelphia 30, Pennsylvania

Dear Leon,

I would like to thank you for the time you spent with Joe and me going over your report dated September 28, 1967.

We appreciate your cooperation in coming at our request to help us evaluate the prime coat which we had under consideration.

As you know, for the tests we deliberately picked the worst conditions available in our attempt to arrive at a reasonable evaluation on the affect of the paint.

As we discussed in your office, the following action has been or is being taken on the recommendations contained in your report.

1. We have made significant changes in our ventilating techniques and are now placing emphasis on general area ventilation. Greater use will be made of our 440 Volt blowers which move air at a rate of up to 15,000 cfm. Methods of placing these blowers and make up air holes, which will reduce the need of local exhaust, are being sought. In areas where air flows do not meet standards, local exhaust ventilation will be used.

2. All employees who have occasion to use local exhaust are instructed in its proper use.

Incidentally, we are using U.S.A. Standard 49.1 "Safety in Welding & Cutting" as our guide in establishing our ventilation program.

Very truly yours,

Lloyd J. Piccin
Safety Director

LJP:ks