



Inter-organization Correspondence

TO See Distribution	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.	DATE YOUR LETTER <i>W. Wilcox</i>
FROM L. Bennett	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO. Avon Lake Technical Center	DATE THIS LETTER April 5, 1974
SUBJECT <u>Implementation of NIOSH Recommendations</u>		

Attached is the status of various Avon Lake Technical Center departments in meeting NIOSH recommendations. Have not reported on those items completed or which we can't do.

Lee Bennett

Distribution:

E. W. Harrington	J. L. Nelson	D. Barnicki
J. J. Bell	G. Pow	M. Batiuk
A. W. Clements	R. M. Rylands	L. Bennett
C. B. Cooper	G. D. Schaaf	S. Alten
B. A. DiLiddo	R. D. Scott	V. Carson
R. J. Fawcett	R. W. Strassburg	J. DiSalvo
C. R. Flynn	A. Vittono	F. Zieber
M. N. Johnson	H. Waltemate	M. Zelesky
E. G. Schwaegerle	P. J. Weaver	H. Gough
E. B. Katzenmeyer, Jr.	A. R. Webber	D. Popovich
F. E. Krause	W. J. Wilcox	H. Marty
R. M. Kreager	C. L. Woods	E. Webber
P. H. Lawrence	B.M.G. Zwicker	M. Forsythe
J. F. Malone	P. DeChant	C. Orban

23170001

Location: Avon Lake Technical Center - Process Building

231700002

Week Ending 4/5/74

BFG24078

Major Goal: Implementation of NIOSH Recommendations

Recommendation	Person Responsible	Completion Date	Status and Comments
II. Protective Clothing			
B. Protective Footwear or Footcovers	F. Zieber	Complete	Are using footcovers.
C. Protective Head Covers	F. Zieber	Complete	Are using head covers.
D. Impervious Suits	F. Zieber	Complete	Are using impervious suits.
E. Long sleeve shirts	F. Zieber	Continuous	Changing over as new shirts are ordered
IV. Monitoring			
A. Environmental:			
1. Reactors	V. Carson	May 1	Now that we have a second OVA, we will make these readings a part of vessel entry procedure.
2. Establish fixed points	V. Carson	April 1	We are measuring established fixed points daily. Plan to increase to 3 times a day.
4. Measure VCI in exhaust	V. Carson	May 1	No action.
5. Monitoring PVC particulates	V. Carson	May 1	No action. Brecksville personnel to measure our particulates.
B. Personal Monitoring			
1. Eight hour samples	J. DiSalvo	May 1	A satisfactory personal monitor has been selected and is being used at ALGCP. Six have been ordered for Technical Center. Still investigating activated carbon tubes.
2. Breathing zone samples	V. Carson	Continuous	Being done with Century OVA.

Location: Technical Center - Millroom & Extruder Building

Warehouse

23170003

Week Ending 4/5/74

Major Goal: Implementation of NIOSH Recommendations

BFG24079

Recommendation	Person Responsible	Completion Date	Status and Comments
I. General Housekeeping Procedures			
A. Spillage Control	Gough - Whse	May 15	An Industrial type vacuum has been ordered for low level and floor spillage cleanup.
B. PVC from Overhead Structures and conduit	Zalesky Gough	May 15	Outside contractor is being sought to vacuum them.
II. Protective Clothing			
A. Daily Change of Clothing		May 1	Millroom & Extruder personnel changing daily. Whse will as soon as clothing is available.
B. Protective Footwear or Footcovers		May 1	Rubber footwear on order.
C. Protective Head Covers			Head covers ordered.
D. Long sleeve shirt			Millroom, because of safety reasons, will continue to use short sleeve shirt. Warehouse will use long sleeve shirts.
III. Showers			
	Gough	May 1	Will be done in warehouse when clothing changes are available.
IV. Monitoring			
A. Environmental			
1. 50 ppm maximum VCI levels	Gough	30%	Plan to install additional exhaust system in Carbopol and resin packaging area. Materials on order. 30% done.
2. Monitoring for PVC particulates	V. Carson	May 1	Brecksville personnel to measure our particulates.

Location: Technical Center - PVC and Color Laboratories

23170004

Week Ending 4/5/74

Major Goal: Implementation of NIOSH Recommendations

Recommendation	Person Responsible	Completion Date	Status and Comments
II. Protective Clothing A. Daily Change of Clothing B. Protective Footwear or Footcovers C. Protective Head Covers D. Long sleeve shirts	Popovich - PVC Lab Batiuk - Color Lab	May 1 May 1 May 1	Color: Need additional uniforms for daily change. PVC: Clothing on order. Awaiting decision as to what to wear. Will use when necessary Color: Will not use because of safety reasons. PVC: Will use.
III. Showers		April 1	To begin upon arrival of change clothir
IV. Monitoring A. Environmental 1. 50 ppm maximum VCI levels B. Personal Monitoring 1. Eight hour samples 2. Breathing zone samples		May 15	PVC: Readings will be taken as soon as second OVA is serviceable. PVC: Will be done if OVA testing shows it necessary. PVC: Will be done if OVA testing shows it necessary.
V. Respiratory Protection A. Other operations -- Determine magnitude of VCI migration through P.E. B. Respiratory Protection	H. Marty Batiuk	April 15 June 1	Results in one week. Vent needed in bag area to reduce dusting.

BFG24080

23170005

Location: Technical Center - Engineering Dept.

BFG24081

Week Ending 4/5/74Major Goal: Implementation of NIOSH Recommendations

Recommendation	Person Responsible	Completion Date	Status and Comments
<u>VI. Engineering Dept.</u>			
1. Determine what to do long term about eating facilities	Webber	May 1	Planning addition to 413 Smoke Room, rebuilding 416 Millroom area & converting Bldg. 421 into lunch room. No change.
2. Install a shower for women in the ladies room, B/412	Webber	Sept. 1	Ghecking feasibility & cost. No change.
3. Renovate showers B/416 W.	Webber	June 1	Starting construction on 4-15-74.
4. Check Brotherton & Ross scrap handling procedures after they leave the Technical Center	Bennett	80%	Brotherton is looking for a new landfill site.
5. Check legal dept. to see if we should warn our refuse carriers about the VCI/PVC problem.	Bennett	20%	W. Wilcox will check this and give us an answer.
7. Ventilation installations -- 27 requests for ventilation systems have been issued recently. Priorities are:			
A. Exhaust for 15 gal. polys and filter crack	Carson	May 1-15	Completed.
B. Exhaust for large filter box	Carson	July 1	Drawings out for quotes. Delivery time on blowers is 12 weeks. No change.
C. Exhaust for furnace in Analytical Lab.	Carson	April 15	Completed.
D. Ductwork for new fluid bed drier	Carson	May 1	50% complete.
Install exhaust at #1 monomer tank	Carson	May 1	Still in engineering.

SafetyWeek Ending 4/5/74

BFG24082

Major Goal: Implementation of NIOSH Recommendations

<u>Recommendation</u>	<u>Person Responsible</u>	<u>Completion Date</u>	<u>Status and Comments</u>
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7. continued

- F. Improve vent system at Hobart Hood Carson June 1 No action.
- G. Install hood on Millroom Henschel Carson April 15 Complete.
- H. Improve exhaust over Getty Mills Carson April 15 Complete.

VII. Safety

1. Issue SAF as to what protective clothing is to be used and where. Alten May 1 Will be done as soon as clothing is selected.
2. Issue SAF for use of cartridge and air line respirators, dust filters and self-contained breathing apparatus. Alten May 1 SAF being written. Extra cartridges received.
3. Issue SAF for eating places. Alten May 1 Not started. All eating places haven't been selected.
4. Issue SAF for requirement for showering. Alten May 1 SAF being written.

VIII. Vent Process

1. Install R.V. in polymerizer rupture disc lines. Zieher 15% Being designed.
4. Determine safe size for PVC reactor relief lines. Jones Complete Experimental work and data analysis complete on both single and dual initiation systems. Model available for engineering to predict reaction rates at rupture conditions.

23170007

Location: Technical Center - Engineering Dept. Page 3
SafetyWeek Ending 4/5/74

BFG24083

Major Goal: Implementation of NIOSH Recommendations

<u>Recommendation</u>	<u>Person Responsible</u>	<u>Completion Date</u>	<u>Status and Comments</u>	

VIII West Process (continued)

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|---|--------|----------|---|--|
| 5. Eliminate VCI lost into room from large PVC filter box | Zieher | 30% | Stripping large charges. Not much VCI left to come off. Nevertheless box is being moved to wall. Exhaust fan and hood is being designed. Work to be contracted out. | |
| 7. Determine ppm VCI in air outside Process Bldg. while venting an 1100 gal. reactor. | Carson | May 1 | OVA now available. Still not done. | |
| 8. Clean PVC from roof of Bldg. 414 | Zieher | April 15 | Not done yet. Small amount of PVC on roof near small polymerizer vents. | |
| 9. Start taking daily perimeter readings of VCI levels. | Carson | April 15 | Ten to 15 readings are being taken daily. Readings vary from 5 to 15. Those near Ford plant (wind blowing from Ford to BFG) are highest. Wind direction and velocity are also recorded. | |