UNION CARBIDE CORPORATION
CHEMICAL MIXING DEPARTMENT
SOUTH CHARLESTON PLANT

P. O. Box 8004
South Charleston, WV. 25303

TO: R. G. Link

DATE: March 6, 1987

CC: Mr. S. W. Drake - 514
Mr. D. A. Gosselin - 511
Mr. K. P. Holz - 514
Mr. R. E. Jarrett - 514
Mr. D. L. Liebeskind - 500
Ms. D. J. McNeil - 511
Mr. D. G. Moshier - 500
Mr. J. M. Shoger - 514
Mr. A. Walker - 500
Mr. D. T. Waters - 511

SUBJECT: Operational Safety/
Health Survey - 514
Chemical Mixing Dept.

RECEIVED
MAR 31 1987
S. W. CLARK

Attached is an update on the Action Plan addressing the concerns raised in the subject survey.

D R Stokely
D. R. Stokely

PLAINTIFF'S EXHIBIT
UC-4059

UCC 022362

Union Carbide trial exhibit UC-4059: D. R. Stokely to R. G. Link Transmitting Action Plan Update on 514 Chemical...
ACL Doc 18678 · Page 2 of 4

ACTION PLAN FOR OPERATIONAL SAFETY/HEALTH SURVEY HELD JULY 15-19, 1985
AT THE CHEMICAL MIXING DEPARTMENT PLANT 514
FINAL SURVEY REPORT ISSUED: DECEMBER 20,1985

Status As Of: Feb. 23, 1987
ISSUE DATE: APRIL 29,1986

BUSINESS CONFIDENTIAL

OS/HS Concern	Account-ability	Comments and planned action	Target Comp.	% Complete This Rpt.	% Complete Last Rpt.
Health Less Serious Concerns (continued)					
HL 8. Vent Stack Cleanout Lines					
The vent stack for cleanout lines that is located just south of the main switchbank discharges miscellaneous chemical vapors approximately 8 feet above grade in this high activity area. No area IH monitoring has been done to determine chemical concentrations around this vent.	HHM	Elevate the discharge of the vent stack to reduce ground level vapor concentrations. Action Sept. 85: S.O. 186213 written to extend stack 3 ft. Action Oct. 85: Stack raised 3 feet.	4Q 85	100%	100%
	REJ	Arrange with the Safety Dept. to conduct IH monitoring in area of the switchbank and the area around the cleanout stack. Action May 86: Monitoring Program setup. Action June 86: Monitored for Propylene Oxide - in compliance. Action July 86: Monitored for Propylene Oxide - in compliance Action Jan. 87: Monitored for Acetic Acid - in compliance	2Q 86	70%	0%
HL 9. Noise Exposures					
Although previous noise surveys at the department uncovered no consistently high levels, the team members noticed rather high noise levels at the main switchbank.	REJ	Arrange to have noise level monitoring done at the switchbank and by the stam driven piston pumps. Also, check when cleaning lines and blowing them dry. Action 4Q86: Noise level monitoring completed. All areas in compliance. Action Aug. 86: Noise monitoring begun.	2Q 86	100%	0%
HL 10. Asbestos					
Installed asbestos piping insulation is present throughout the unit. Most of this insulation is adequately contained, but some is in need of repair or removal. Old bags of insulation were observed in the unit.	REJ	Have the existing installed asbestos insulation labeled. Action Mar 86: Labelling begun. Action Oct. 86: Labelling Complete.	1Q 86	100%	50%
	REJ	Remove the insulation that is in poor shape or recover. Action Mar 86: Removal Begun. Action Oct. 86: Removal and repair complete for insulation in poor shape.	1Q 86	100%	50%

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Health Less Serious Concerns (continued)					
HL 10. Asbestos (continued)					
	JJR	Remove the bags of asbestos insulation laying around the unit. Action Mar 86: Bags removed.	4Q 85	100%	100%
	REJ	Set up a procedure to assure that all asbestos insulation continues to be properly labeled and disposed of. Action June 86: Collection basket placed along road north of BLDG 323. As insulation is bagged it is placed in this basket for pick-up and disposal.	2Q 86	100%	0%
HL 11. Personnel Training on Chemical Hazards					
Maintenance personnel generally reported to the team that they were not familiar with the hazards of the chemicals to which they can be exposed in the department. Chemicals from this department are also handled elsewhere, but hazard information is not currently transmitted to the laboratory, North Charleston Storage, and IWC Warehouse personnel who may be exposed to these materials. Weighmasters depend almost exclusively upon UCC health hazard ratings to determine the degree of caution needed when handling a material, but are not trained on what these hazard ratings represent. Chemical hazard HFS ratings (health, fire, and stability), as well as route of entry (SPIBE--swallowing, penetration, irritation, breathing, eye) information for the health rating, are not included on the Plant Mixtures Department work sheets.	KPH	As new materials are used and new mixtures are made, send a copy of their MSDS to the departments that will also handle the material or the mixture. Action May 86: Added to checklist for production of new plant mixture.	2Q 86	100%	100%
	DDS/ DKM	Make a list of the raw materials stored at IWC, No. Char, and Bldg. 300. Make a copy of the MSDS for each of these raw materials and send to contact person at each of these storage locations. Action 4Q86: Copies of MSDS sent.	2Q 86	100%	0%
	REJ	Train weighmasters on the meaning of HFS Ratings and how to use them. Action 1Q86: REJ conducted training.	1Q 86	100%	100%
	KPH	As new work sheets are developed add route of exposure to the health rating.	4Q 85	On Going 100%	

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ACL Doc 18678 · Page 3 of 4
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