



INTERNAL USE ONLY - CONFIDENTIAL

CHEMICALS AND PLASTICS

WEST VIRGINIA 25302

SVR Foremen

December 8, 1978

Mr. G. E. Lewis
Mr. G. E. VandeLinde
Mr. P. D. Wegrzynowicz
Mr. W. C. Young ✓
SVR Staff (8)

VCl Leak Detection Action Plan

The EPA Vinyl Chloride Standard, Section 61.65(b)(8), requires us as a user of Vinyl Chloride to monitor the piping and equipment in our department to detect leaks. This standard goes on to require us to develop a standard procedure for a "routine leak check patrol" to inspect equipment by using portable detectors. The full compliance date for these patrols was Nov. 7, 1978.

Attached are copies of the new Weekly and Biweekly VCl Equipment Patrol Schedules as developed by George VandeLinde. An operator(s) designated by the foreman will be responsible for checking the items listed on the checklist schedule on a weekly basis. All discovered leaks and the appropriate actions taken should be recorded on the checklist schedules. The completed checklist should be routed through the Senior Production Supervisor, and then the Department EP/OH Contact, where it will be filed.

Please realize that this patrol and documentation is mandatory! Failure to comply with this standard will result in fines; and if we continue to defy the standard, we will be shut down. Let's do our best to comply!


J. L. Palmer

JLP/kag

Attachments

UCC 102735

SOLVENT VINYL RESINS

BI-WEEKLY VC1 EQUIPMENT LEAK DETECTION PATROL SCHEDULE

AND EQUIPMENT LIST

BY _____

DATE _____

Check Point	Location	Leak		Comments/Corrective Action Taken
		Yes	No	
B1,B2,B5,B6 Circ. Pump Suction Line & Valves	153-1			
B1,B2,B5,B6 Circ. Pump Discharge Line & Valves	153-1			
B1,B2,B5,B6 Dynatrol Loop Line & Valves	153-1			
B1,B2,B5,B6 Line From Circ. Pump to Dilution Tank	153-1			
B1,B2,B5,B6 Manheads	153-1			
B1,B2,B5,B6 LL High Lead Flange	153-1			
B1,B2,B5,B6 Temp. Control Xmitter Flange	153-1			
B1,B2,B5,B6 Piping & Flanges to Safety Valves	153-2			
B1,B2,B5,B6 Piping & Flanges to Hand Vent	153-2			
B1,B2,B5,B6 Piping & Flanges to Batch Vent	153-2			
B1,B2,B5,B6 Press. Xmitter Taps	153-2			
B1,B2,B5,B6 Piping & Flanges In Continuous Vent	153-2			
B1,B2,B5,B6 VC1 & Mixed Feed Valve	153-2			
B1,B2,B5,B6 LL Low Lead Tap	153-2			
B1,B2,B5,B6 Cat Flange	153-2			
B1,B2,B5,B6 MA Valve	153-2			
B1,B2,B5,B6 Coil Mount Flanges	153-2			
B1,B2,B5,B6 Agitator Mount Flanges	153-2			

UCC 102736

SOLVENT VINYL RESINS
BI-WEEKLY VCI EQUIPMENT LEAK DETECTION PATROL SCHEDULE
AND EQUIPMENT LIST

BY _____

DATE _____

Check Point	Location	Leak		Comments/Corrective Action Taken
		Yes	No	
Dilution Tank Suction Line to Pump	153-1			
Dilution Tank Discharge Line to No. 1 Stripping Column	153-1			
No. 1 Stripping Column Pump Suction Line	153-1			
No. 1 Stripping Col. Pump Discharge Line to No. 2 Stripping Column	153-1			
No. 2 Stripping Column Pump Suction Line to Pump	153-1			
Auto Feed Line From Circ. Pumps to Dilution Tank	153-1			
Dilution Tank Vent Line to #1 Stripping Column	153-2			
Dilution Tank Top Valves and Flanges	153-2			
No. 1 and 2 Stripping Column Bottom Flanges and Piping	153-2			
No. 1 and 2 Stripping Column Flanges and Piping on 3rd Level	153-3			
No. 1 and 2 Stripping Column Flanges and Piping on 4th Level	153-4			
No. 1 & 2 Stripping Line & Trap to LP Condenser	153-5			
LP Condenser Lines & Flanges to Rect. Column	153-5			
No. 14 Compressor Discharge Line to HP Condenser	153-5			
HP Condenser Flanges	153-5			
LP Condenser Lines & Flanges to Rect. Column	153-4			
HP Condenser Vent Line to 2622 Tank	153-4			
HP Condenser Trap Flanges	153-4			
HP Condenser Vent Line to No. 14 Compressor	153-4			

UCC 102737

SOLVENT VINYL RESINS

BI-WEEKLY VCI EQUIPMENT LEAK DETECTION PATROL SCHEDULE
AND EQUIPMENT LIST

BY _____

DATE _____

Check Point	Location	Leak		Comments/Corrective Action Taken
		Yes	No	
Rect. Column Top Flanges	153-4			
Line From Top Rect. Column to Suction of No. 14 Compressor	153-4			
Suction Line to #24 Compressor	153-3			
No. 14 Compressor Discharge Line to HP Condenser	153-3			
No. 24 Compressor Discharge Line to HP Condenser	153-3			
VCI Filters and Flanges	153-3			
VCI Make Line to 2521 and 2623 Tanks	153-1			
VCI Recycle Line Trap to Rect. Column	153-1			
No. 14 Compressor Suction Line Valves & Trap	153-1			
No. 14 Compressor Suction Trap & Flanges	153-1			
No. 14 Compressor Trap & Lines Between First and Second Stages	153-1			
VCI Receiving Line From River Crossing to Tank Farm Inlet Cooler	Tank Farm			
VCI Inlet Cooler Valves	Tank Farm			
VCI Line from Inlet Cooler to 2611 & 2613 Tanks	Tank Farm			
VCI Equalizing Lines from 2611 & 2613 to 2621 & 2623	Tank Farm			
VCI Cylinder Loading Line	Tank Farm			
2611 and 2613 VCI Make Line	Tank Farm			
2611 & 2613 Top Flanges & Valves (Can't get to)	Tank Farm			
2621 & 2623 Circ. Line and Valves	Tank Farm			
2621 & 2623 Suction Line and Valves	Tank Farm			
VCI Feed Line & Valves from Pump to Autoclaves	Tank Farm			

UCC 102738

SOLVENT VINYL RESINS
BI-WEEKLY VC1 EQUIPMENT LEAK DETECTION PATROL SCHEDULE
AND EQUIPMENT LIST

BY _____

DATE _____

Check Point	Location	Leak		Comments/Corrective Action Taken
		Yes	No	
Make Line From HP Condenser to 2621 and 2623	Tank Farm			
2621 and 2623 Circ. Lines and Valves	Tank Farm			
Vent Line from Field VC1 Tanks to 2622 & 2626	Tank Farm			
2622 and 2626 Top Valves & Flanges	154-1			
2622 & 2626 Vent Line to IPH	154-1			
2622 & 2626 VC1 Charge Line	154-1			
2622 and 2626 Suction Line and Valves	154-1			
2622 and 2626 VC1 Charge Line to Autoclaves	154-1			
2622 and 2626 Stripping Line to Dilution Tank	154-1			
2622 and 2626 Vent Line from Rect. Column	154-1			
2622 and 2626 Line to 2621 and 2623	154-1			
WHEN IN SERVICE				
24 Compressor Suction & Discharge Lines	152-1			
24 Compressor Trap Between 1st & 2nd Stages	152-1			
24 Compressor Suction Trap and Valves	152-1			
24 Compressor Suction Trap Liquid Pot	152-1			
24 Compressor Liquid Pot Line to Rect. Column	152-1			

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BY _____

Comments/Corrective Action Taken

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SOLVENT VINYL RESINS
WEEKLY VC1 EQUIPMENT LEAK DETECTION PATROL SCHEDULE
AND EQUIPMENT LIST

BY _____

DATE _____

Check Point	Location	Leak		Comments/Corrective Action Taken
		Yes	No	
Dilution Tank Pump Packing	153-1			
No. 1 Stripping Column Pump Packing	153-1			
No. 2 Stripping Column Pump Packing	153-1			
Dilution Tank Agitator Seal	153-1			
Dilution Tank Safety Valve	153-2			
No. 1 & 2 Stripping Col. Safety Valves 3rd Level	153-3			
No. 1 & 2 Stripping Col. Safety Valves 4th Level	153-4			
No. 1 & 2 Stripping Col. Safety Valves 5th Level	153-5			
VC1 DMV to Rect. Column	153-4			
HP Condenser Vent DMV	153-4			
Rect. Col. Pressure Control DMV	153-3			
Compressor Discharge Safety Valve	153-3			
VC1 Make DMV to 2621 and 2623 Tanks	153-1			
No. 14 Compressor Suction Trap Safety Valve	153-1			
No. 14 Compressor Seals	153-1			
No. 14 Compressor Unloader Valves	153-1			
No. 14 Compressor Discharge Safety Valve	153-1			
2611 & 2613 Tank Vent Line to Air (Can't get to)	Tank Farm			
2611 & 2613 Tank Safety Valves (Can't get to)	Tank Farm			
VC1 Feed Pump Seals	Tank Farm			
2621 and 2623 Charge Pump Seal	Tank Farm			
2621 and 2623 Safety Valves	Tank Farm			
VC1 Vent DMV to 2626 and 2622	Tank Farm			

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BY _____

DATE _____

[illegible]