

Node: 5 D-2002 TO R-2001 LIQUID LINE					
Parameter: Flow			Intention: 20gpm		
GUIDEWORD	DEVIATION	POSSIBLE CAUSES	CONSEQUENCES	RECOMMENDATIONS	BY
No	No Flow	SUBJECT LINE BLOCKED SUBJECT LINE PLUGGED NO SPRAY INTO D-2002	OVER FILL D-2002 WRECK D-2002 INTERNAL HIGHER REACTOR PRESSURE FOUL EXCHANGER TRAIN SHUTDOWN COMPRESSOR TRIP	HIGH LEVEL ALARM HIGH DIFF.ALARM ON BOTH PACKING SECTIONS OPERATOR TRAINING WRITE OPER. PROCEDURES MONITOR LEVEL SEE NODE 3 LESS FLOW MINIMIZE HORIZ. PIPING	* * RF RF * GC GC
More	More Flow	FLUSH LINE LEAKING/OPEN MALFUNCTION OF D-2002 SPRAY CONTROL POOR TRAINING/ OPERATOR ERROR	HIGH CAT. CONC. IN BOTTOM OF REACTOR LOW % SOLIDS IN REACTOR	WRITE OPER. PROCEDURES CONSIDER MONITORING FLUSH HEADER FLOW CONSIDER RESTRICTOR IN FLUSH HDR. LINE SEE NODE 3 LESS FLOW	RF GC GC GC
Reverse	Reverse Flow	REACTOR O.H. VAPOR LINE BLOCKED/PLUGGED	SAME AS NO FLOW	WRITE PROCEDURES	RF

Company: DOW CHEMICAL
Process: POLY-B

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Node: 5 D-2002 TO R-2001 LIQUID LINE					
Parameter: Temperature			Intention:		
GUIDEWORD	DEVIATION	POSSIBLE CAUSES	CONSEQUENCES	RECOMMENDATIONS	BY
More	Higher Temp				

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Company: DOW CHEMICAL
Process: POLY-B

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Node: 5 D-2002 TO R-2001 LIQUID LINE					
Parameter: Contamination			Intention: RUST/WATER FREE		
GUIDEWORD	DEVIATION	POSSIBLE CAUSES	CONSEQUENCES	RECOMMENDATIONS	BY
More	More Cont	IMPROPER CLEANING PROCEDURES (RUST IN LINE/VESSEL)	PRODUCT QUALITY KILL REACTOR	WRITE ISOLATE/ CLEAN/COMMISSION PROCEDURE	RF

Company: DOW CHEMICAL
Process: POLY-B

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Node: 5 D-2002 TO R-2001 LIQUID LINE					
Parameter: Level			Intention: NO LEVEL		
GUIDEWORD	DEVIATION	POSSIBLE CAUSES	CONSEQUENCES	RECOMMENDATIONS	BY
No	No Level				
More	More Level		SEE NO FLOW	SEE NO FLOW NODE 5	*