

VCM CONTROL PROGRAM
LOUISVILLE PLANT
ENGINEERING PROJECTS

Project	Audit Action Item	Purpose	Prior-ity	Target Compl.	Person Reporting	Person Assigned	Status	GPO, EA, DJ, MWO Number
1. Convert to GC's for area monitoring.	V-1	Fewer alarms from non-VCM hydrocarbons.	1	4-1-76	Geisen Fultz	Fultz Deich Fannin	<i>all in</i> B-111 in use, others on hand. EA for extra points submitted 2-25.	EA 353029
2. Multiplex sample system, B-121.		Improve detection of high levels.	2	4-15-76	Fannin	Fannin	Materials on hand. <i>MWO Issued</i>	GPO 18364.
3. Shield minicomputer.	8-3	Preserve memory from stray fields.		Compl.	McWhorter	Gibbs		MWO 069950
4. Provide continuous monitors for tall stacks.	W-6	Quantify emission, progress indicator.	2		Fannin	Deich Pringle Fultz	<i>Flow meters working</i> Calibration instrument on order. Flow meters need repair/calibration. Engr. Request submitted to install GC. May need to use GC in B-15.	E-16
5. Install area monitor for tank farm.	TE-1	Alarm upset conditions.	1	5-1-76	Geisen	Deich	EA submitted 2-25. <i>Approved 3/6/057</i>	M-27
5. Evacuate VCM unloading hose.	TP-3	Reduce emission.	1	6-1-76	Geisen	Distler	EA prepared.	M-32
7. Double seals, VCM tank farm pumps.	TP-4	Reduce emission & EPA.	2	4-26-76	Geisen	Distler	Double seals on two Worthingtons now. A 3/10/37 Sundyne is on order.	M-26
8. Modernize VCM tank farm.	TP-4	Reduce potential for upset.	2	8-1-76	Geisen	Chevalier	<i>SAME</i> Engineering in progress.	M-33
9. Supply clean air to B-111 & 121 control rooms.		Safe Haven.	1	4-15-76	Geisen	Wilkins	EA approved 3-9-76. <i>Being Installed</i> <i>CONTRACT LET</i>	EA 361038

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10. Remove low spots in duct to stacks.	V-2	Eliminate condensate trap.	1	4-1-76	Geisen	Wilkins	EA approved to drain low points to ventilated sump. <i>Samt</i> 4-1-76 <i>111 Jets Con. 5/10/76</i>	EA 361042
11. Connect vents to stack, recovery, jets and ducts, sumps.	PVC-8 V-4 V-3	Reduce reflux & crossover.	1	4-1-76	Geisen	Wilkins	EA approved 3-9-76. <i>B 1/8/76 3074</i>	EA 361044 EA 361042
12. Add 2nd floor safe havens.	V-10	Safe havens.	1	5-1-76	Geisen	Wilkins	EA submitted 2-25-76. Includes B-1, 111, 115, and 121. <i>361046</i>	P-75
13. Shroud-spot ventilation at pump seals.	V-9	Reduce exposures.	1	4-1-76	Geisen	Wilkins	EA approved 2-25-76. <i>Wetzel 1/11/76</i>	EA 361042
14. Install breathing air system.		Reduce exposures.	1	Compl.	Geisen	Lawrence	Plant 2 tied in 2-16-76. <i>Plant 2</i>	EA 747023 EA 741234
15. Extend breathing air to B-127.		Provide breathing air to area.	1	3-24-76	Geisen	Lawrence	To start work 3-11-76. <i>Comp 3-25-76</i>	GPO 18373
16. Adjust breathing air pressure & humidity.	G-2	Employee comfort.	1	3-15-76	Geisen	Lawrence	16 psi pressure adjusted in all areas. Will test bubbler in B-121. <i>No Change</i>	EA 747023
17. Add breathing air stations.	G-9	Efficient operation.	1	4-1-76	Barrett	Hudson Fultz	MWO issued for 5 stations in Bldg. 1. Plant 1 complete.	
18. Revise tank farm breathing air.	TF-5	Reduce exposure.		Compl.	Grahek		Using factory air. Egress Pack available.	
19. Relieve HRC units to poly evacuation system.		Reduce exposure.	1		Fultz	Fultz	Will equip one unit for evaluation on MWO. Relief valve ordered. To try without valve in B-121. <i>TESTING IN 12/1</i>	P-66
20. Drain recovery knockout tank to accumulator, B-121.		Stop reflux of VCM into building.	2	6-1-76	Geisen	Parris	EA approved. To be incorporated by Bjorn in Stripping E.A.	EA 361033

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				1-15		NEED	DP CELL	
21.	Supply heat to B-121 accumulator.	Strip VCM from effluent.	1	4-4-76	Geisen	Mitchell	Engineering in progress. Mitchell in contact with Pringle on scope of job.	P-65
22.	Pressure transmitters, paste polys.	Eliminate direct piping into control room.	3	8-1-76	Geisen	Parris	Out for quotes. <i>EA Circulated</i>	P-59
23.	High pressure alarms westside polys, B-111.	Prevent vented charges.	1	4-1-76	Geisen	Parris	^{Same} EA rejected, Linak to review.	P-58
24.	Larger relief valves & redball indicators for B-121 polys.	Prevent leaks into room. Detect potential leaks, protect relief valves.	3	9-1-76	Geisen	Wilkins	Preparing E.A.	P-57
25.	Install pressure activated lock for poly head.	Eliminate chance of opening and releasing VCM.	3	9-1-76	Geisen	Mitchell	Evaluated one unit, prospects poor. New device being tried. <i>No Depositor</i>	P-22
26.	Add cut-off valves, B-1 redball lines.	Avoid venting VCM.	2	4-1-76	Barrett	Hudson	MWO issued. P.O. issued for valves.	
27.	Add exhaust blower, B-1 polys.	Raise capacity, reduce exposure.			Geisen	Lawrence	Bottleneck corrected. Will evaluate.	P-64
28.	Replace 3 EDC pumps, B-115.	Reduce emission.	3	8-1-76	Geisen	Lawrence	Submitted 1-26-76. Will review with regard to EPA requirements. To consider spot exhaust short term.	P-40
29.	Double seals for Nash recovery pumps.	Reduce emission & exposure, EPA.			Geisen	N.A.	Hold.	P-61

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30. Provide gas escape alarm separate from fire alarm.		Distinguish gas escape from other emergencies.	3	12-1-76	Geisen	Deich	EA submitted to Cleveland 2-25-76. Writeup is to be revised. <i>RESUBMITTED 3-16-76</i>	S-2	