

Interoffice Communication

To : R. D. Gamblin

From : A. F. Gallagher

Date : November 7, 1974

Subject : VCM Health Program Report #11

At the VCM Health Program Meeting held November 6, 1974 each of the currently active projects was reviewed and the status up-dated.

Further up-date meetings will be held on a call basis.


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Chief Process Engineer

CW

cc: JWP, RWS, LWK, JES, KWC, TRL, FMW, FJS, JEB (2), MCJ, CGR

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VCM HEALTH PROGRAM REPORT

REACTOR AREA

<u>Item No.</u>	<u>Responsibilitiy</u>	<u>Project</u>	<u>Status</u>
1	JEB/RWS/KWC	Steam stripping the small reactors to 210°F.	A work order has been written to change the temperature transmitter range on one line in V-12.
2	TRL	Control room pressurization.	The tower will be completed 11/15. The total project completion date will be by 12/1.
3	RWS/KWC	Install steam stripping line on reactor E-2 and revise L and M lines.	T's required to convert L and M lines to 1" are on order. The project will be completed when the T's arrive.
4	TRL	Control Rooms for V-11 and V-12.	Construction of the V-11 and V-12 control rooms has been completed. The total project completion date will be 12/15.
5	TRL	Relocate V-11 and V-12 charge instruments.	Delivery time for the required material is 170 days. Project completion date 2/15/75.
6	KWC	Install an exhaust hood on the V-11 and V-12 recovery systems.	Exhaust hood on the V-12 recovery system has been completed and V-11 will be completed 11/8.
7	KWC/MCJ/RWS	Install a 4" overflow line from the D-300/400 sweco dump box to the sewer.	Installation will be done at the time of the D-500/600 tie-in.
8	KWC/MCJ/RWS	Install a 12" x 4" duct from the D-300/400 dump box to the existing sweco exhaust line.	Installation will be done at the time of the D-500/600 tie-in.
9	KWC/MCJ/RWS	Use the old V-10 utility fan for the D-300/400 exhaust fan.	Exhaust fan will be tied in during the D-500/600 shutdown.

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REACTOR AREA

<u>Item No.</u>	<u>Responsibilitiy</u>	<u>Project</u>	<u>Status</u>
10	KWC/MCJ/RWS	Repair the leaking cap on the D-300/400 sweco discharge port.	This will be done during the D-500/600 shutdown.
11	KWC	Pipe VCM return line at V-11 (from V-12) to blowdown tank to prevent venting when lines are opened.	The piping has been completed and the tie-ins will be made during D-500/600 shutdown.
12	JEB/GWP/TRL	Reactor Cleaning System for V-11.	Evaluation of the Vinatex unit has been completed. A design and cost estimate is being prepared to purchase a similar unit. The pump installation for V-11 will be completed 11/22.
13	TRL/RWS	Modifications to the BFG HRC unit in V-12.	A boot to repair the leaks did not work. A new seal has been designed and is ready to try. Modification to the HRC length has been completed.
14	KWC	Repair leaks on all compressors.	Additional information has been transmitted to MED for their study. A plan of action will be formulated during November.
15	JES	Stop leaks on VCM unloading valves.	Gate and globe valve will be used to replace the present plug cock valves as they arrive.
16	CGR	Reduce the VCM lost to the atmosphere from the rail car liquid unloading line.	A Kamvalock coupling will arrive during November for evaluation.
17	TRL	Replace Manhead in V-11.	Complete.

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REACTOR AREA

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18	TRL	Honeywell instrument for continuous monitoring.	Materials on order. The project completion date will be 1/75.
19	MCJ	Reduce the residual VCM in the large reactor resin after recovery.	A program for steam stripping the large reactors will be set up during November. This program will be based on the large reactor steam stripping results from Oklahoma City.

DRYER AREA

1	TRL	Install a remote system to monitor the level in all resin silos.	The evaluation has been completed and and AFE will be prepared.
2	JEB/RWS/LHB	Recycle system for sifter overflow to prevent rehandling of trailings and reduce exposure on first floor.	The evaluation of a hopper for the fine overflow system has been completed and hoppers will be made up for each of the remaining dryers over the next two months. The type of coarse overflow handling system will be designed based on the exposure results being monitored during November.
3	JEB	Evaluation of residual VCM in the finished bulk resin.	Further testing of steam stripped resin will be conducted during November to evaluate the effect of increasing stripping temperature to 210°F.
4	JEB	Evaluation of residual VCM in the finished bagged resin.	Complete.

VCM HEALTH PROGRAM REPORT

COMPOUND & DRY BLEND AREA

<u>Item No.</u>	<u>Responsibilitiy</u>	<u>Project</u>	<u>Status</u>
1	TRL	Vent the welex mixers to the outside of the building and equip line #1, scrap unit and line #3 blenders with ventilation system.	Installaion of the hoods on the Welex mixers have been completed. The scrap unit and line #3 will be completed during November.
2	CGR	Monitor VCM levels around line #1 vent hood.	Further testing is planned when the hood modifications are made.
3	KWC	Sample ports for dry blend coolers.	A sample port will be installed on one dry blend blender-coolers during November for evaluation.

GENERAL

1	JES/GWP	Ventilation improvements in both ware-house buildings and compress warehouse.	Further data will be gathered before a plan will be formulated.
2	RDG/GWP	Continued education of employees on the hazards of VCM and the importance of following procedures.	Continuing project.
3	FJS	Improve the effectiveness of laboratory fume hood used in the testing of peroxides in the VCM.	Engineering proposal will be issued during November.