

TENNECO CHEMICALS, INC.

COLORITE 011202

Reactor VCM Removal (J.W. Poarch)

Based on encouraging test results at VCM removal from reactors at Burlington via 300-gallon hot water injection and vacuum, a three-to-four-day full out Suspension Plant program will be implemented next week.

This program should result in reduced general VCM levels in the plant environment and will be monitored closely via the Bendix monitoring system, reactor vapor space sampling and overall performance evaluation by Process Engineering.

This technique will also be extended via several special batches using 180°F hot water and the use of two parallel compressors to optimize the technique and develop design parameters. A special test of this technique will also be extended to the Plastisol Plant.

Recovery Compressors - Priority I (P. Scheiner)

The prime sources of leakage in this troublesome area are:

1. Compressor Packing

This problem is being dealt with from an OSHA point of view by exhausting the VCM leakage via a blower through a high stack. Engineering will look at installing a nitrogen chamber so that the leakage can be contained.

2. Valve Positioning Bolt

L. Iszak has altered some features of the bolt and the screw down nut as well as changed the gasketing material from lead to Teflon. The preliminary results are encouraging.

3. Valve Cover

Machining down the valve cover gasket seat as well as making an "O" ring groove in combination with the use of Teflon gaskets has shown early good results (two weeks of no leakage).

L. Iszak will convert one Burlington compressor to incorporate the designs above and will monitor its performance over the next thirty days.

Compressor Isolation - Priority II (P. Scheiner)

If the above techniques work, then the need for isolating the compressors from the rest of the process building may not be there. If it does not work out, then we may have to open up the process building around the compressors and put in an internal wall and shroud the compressor heads with exhaust hoods.

Canned Pumps - Priority I (P.L. Wilson)

Engineering (P.L. Wilson) will look further into availability of suitable pumps. If there is no single pump to do the job, alternates such as parallel or series configuration using multiple pumps are possible. P.R. Scarito will define which pumps are a problem at Burlington and J.T. Sweeney will do the same for Flemington.

Vent Condenser Exhausts - Priority I (E. Schwartz)

Engineering will begin a design for a Carbon Adsorption system to handle this and other VCM laden streams.

Gasketing (Priority I) (E. V. Schenke)

Ed Schenke has issued a gasketing specification.

Copolymer Weigh Scale Area (J.W. Porch)

P.E. will investigate with the plant people the causes of excursions in this area and make recommendations.

Master Mix Tank Drainings (J.W. Porch)

The proposal to put drainings into #7 blend tank and the vapor emissions from it will be reviewed by P.E.

Cake Breaker Area Excursions (P.R. Scarito, W. Miringoff)

P.R. Scarito to look into the background of the problem and let W.M. know the details.

Plastisol Dryer Stacks (W. Miringoff)

Aiming the exhaust up rather than sideways has reduced VCM readings in the bagging area. Evaluation of the need to extend further will be done by W. Miringoff.

Tower Drainings (P.R. Scarito, J.W. Porch, W. Miringoff)

The problem of how to handle tower wash downs and poorly transferring batches was discussed. Normally these problems result in the material washing onto the floor and raising the general VCM level in the plant significantly.

A number of alternative methods were briefly discussed (use of in line mixers to transfer lumpy batches, putting the washings into the product in the stripper, etc.)

P.R. Scarito will review the problem with his staff and further meetings with P.E. will be held to consolidate a design approach.

WM: jt

