



Dow U.S.A.

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REACTIVE CHEMICALS REVIEW - OCTOBER 28, 1991

Project: Glycol 2 EO Scrubber

Project rep: Shirley Shaw

The scope of this project includes installing a scrubber system to remove the vents from the EO storage tanks during de-pressurization which will occur during offloading of tank cars during shutdowns. The scrubber system will consists of a packed tower, reaction tanks, pumping and a cooling system. The scrubbing solution will be 5% sulfuric acid/30% glycol/water.

Concerns:

The main reactive chemical concern is the catastrophe which would probably result if acid scrubbing solution would back-up into the EO storage tanks. Since this project is in the initial engineering stage perhaps a HAZOP study of the line between the DH tank and T-202 would be appropriate. The potential for this scenario to occur should be completely eliminated.

Another Reactive Chemicals review should be conducted towards the end of Phase 3 Engineering.

Gerald Wagener, Chairman
Reactive Chemicals Committee

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