



Dow U.S.A.

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cc: Doyle Haney, Bldg. 4601

REACTIVE CHEMICALS REVIEW HELD ON 7/8/93

Methanes Plant - Chloroform PSA Unit - Pre Start-up

Project rep: Steve Ledoux

Committee representatives: Brian Witt, John Monroe, Scott Hanrahan, Charles Carpenter, Allan Sandow, Joe Schell, Gerald Wagener

Action Items:

1. Make sure that the proper type of activated carbon was added to the PSA Units - heat of absorption could be affected.
2. Consider purging the PSA Unit with nitrogen whenever charging the system with activated carbon. This is aimed at minimizing the dust explosion potential.
3. Consider adding an automatic nitrogen sweep step which will be activated by an abnormally high bed temperature. We recommend selecting a temperature slightly less than the 132 deg C. oxidation temperature for carbon/chloroform (RCT-92-0748).
4. A comment was made that the adsorption step should not be initiated if the bed temperature is abnormally high (50 - 60 deg C.). Consider adding control logic which will permit flow of the feed vent stream and the recycle stream only when bed temperature is acceptable.
5. Concerning future disposal of spent carbon: Confirm that the carbon bed is less than 50 deg C. before dumping and consider wetting the carbon with water before disposal.

Gerald Wagener, Chairman
Reactive Chemicals Committee

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