



DOW CHEMICAL U.S.A.

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Mitch Juneau - 3701
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cc: Ronnie Touchet - 4601

REACTIVE CHEMICALS COMMITTEE REVIEW - FEBRUARY 8, 1990

PROJECT: Chlorinated Methanes Expansion-Final Capital

PROJET REPS: Rick Wittmann, Mitch Juneau

ATTENDEES: Gerald Wagener, Mark Mitchell, Mitch Juneau, Dave Mihalik,
Bob Norman, Charles Jones, E.J. Brown, Larry Hebert, Maurice
Oubre, Glen Sauls, Ken Mall, Ronnie Touchet

CONCERNS:

1. The consequences of an upset in the product distillation section should be discussed with the HCl user plants (especially Vinyl 2). Consider consequences of abnormally high levels of M1 and also consequences of mixing Methane's acid with other HCl produced in LAD.
2. In light of the recent Reactive Chemicals incident in Texas, it was suggested that S-1301 sizing be reevaluated to minimize droplet size of chlorine mist carry-over. A suggestion was made to contact Paul Burton in Texas for his expertise in this area.
3. A suggestion was made to reevaluate the proposed heat tracing/insulation on the chlorine feed line from S-1301 to R-1300 to avoid condensation.
4. There is no redundancy for confirming the on-line analysis of M2 in C-1510 overhead. It was stated that the set point for shutting down the Thermal Chlorinator will be automatically adjusted to 90% LEL based on this M2 analysis. Concerning a scenario of incorrect on-line M2 analysis, it was commented that safeguards will be in place to avoid the detonation range. Since this does not preclude the possibility of a deflagration (after further consideration) redundancy would be desirable. Further consideration is suggested.

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5. The PSA Vent Recovery System needs to be reevaluated to eliminate the methanol flammability problem which could occur by drawing in air.

Please respond in writing to the Committee Chairman within one month as to action taken or planned in regard to these considerations.

Gerald Wagener

Gerald Wagener
REACTIVE CHEMICALS COMMITTEE

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