

# CMP REACTIVE CHEMICAL REVIEW

MEETING CALLED BY: Don Taylor

DATE: Thursday, November 10, 1994

PLACE: Building 4601 Conference Room

START TIME: 8:30

END TIME: 10:00

PARTICIPANTS: CMP Staff, Reactive Chemicals Committee

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PURPOSE: Review Reactive Chemicals concerns in the Chlorinated Methanes Products production unit

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## AGENDA:

| <u>TOPIC</u>                                   | <u>FACILITATOR</u> | <u>TIME</u> |
|------------------------------------------------|--------------------|-------------|
| Introduction and review of past action items   | Bruce Miles        | 15 min      |
| M1 production unit review                      | Steve Ledoux       | 20 min      |
| M2/M3 production unit review                   | Jim Haney          | 20 min      |
| Sealants, reactive chem reports, miscellaneous | Kevin Kelley       | 20 min      |
| Discussion and follow-up                       | Group              | 15 min      |

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PREWORK: none

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The Dow Chemical Company  
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Plaquemine Louisiana 70765-0400

November 15, 1994

Don Taylor  
4601 Bldg.

**REACTIVE CHEMICALS NEW SUPERINTENDENT REVIEW - CHLORINATED  
METHANES PLANT - NOVEMBER 10, 1994**

**AUDIT TEAM:** Gerald Wagener, Don Jones, John Monroe, Joe Schell, Buck  
Bailey, Scott Hanrahan, Mark Mitchell, Seb Corbino

**RECOMMENDATIONS:**

1. Concerning the inadvertent use of titanium parts in dry chlorine:
  - a. Add a statement to the block safety indoctrination package on the reactive chemical hazards of using titanium parts in dry chlorine service.
  - b. Consider adding a checklist that addresses this hazard to maintenance procedures for equipment used in chlorine service.
2. Concerning the reactive chemicals review slides for the Thermal Chlorinator:  
Add "Evacuation of personnel from reactor area during start-up" to the lines of defense for avoiding injuries due to a possible deflagration/detonation.
3. Consider the following scenario and make sure appropriate safeguards are in place to avoid a runaway decomposition: D-1 Tar pot is blocked in and 235# steam flow does not shut off. If the decomposition temperature is not known ARC data should be generated.
4. Review the materials of construction in the sulfuric acid demister and make sure that they are compatible over the range of temperature and % sulfuric acid that will be encountered in normal and upset conditions.

Please respond in writing to the committee chairman within one month as to action taken or planned in regard to these concerns.

Gerald Wagener, Chairman  
Reactive Chemicals Committee

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