

BFGoodrich

OYSTER CREEK

The BFGoodrich Company
Geon Vinyl Division
6100 Oak Tree Boulevard
Cleveland, Ohio 44131
216-447-6000

Dale Green
Please fill out
I send copy to
Waltemate &
me.
Bob Dubre

VCSA Member:

I would appreciate the completion of the attached survey on the unloading/loading of vinyl chloride. I will report on the results of the survey at the forthcoming October 1-3, 1987 meeting.

This survey was initiated because of a serious accident within BFGoodrich. The quick disconnect on an unloading hose separated during unloading releasing liquid VCM. An operator who was nearby, without protective equipment, shut off the tank car valves and reconnected the hose. He was seriously burned with second and third degree burns from the direct contact with liquid vinyl chloride. I will provide further details as part of the case history discussion.

Thank you for your cooperation in providing me this information.

Sincerely,

THE BFGOODRICH COMPANY
Geon Vinyl Division

Herm Waltemate

Herm Waltemate
Manager, Safety, Health
and Environment

HW/kp
0841j

Attachment

R&S 029196

RECEIVED
JUL 14 1987
CEP & TOX TECH. JR.

RECEIVED
AUG 10 1987
CEP & TOX TECH. TR.

1. Is this response for loading or unloading of vinyl chloride. Please circle:

Loading

Unloading

2. How many liquid hoses do you attach? 2 Size? 2"
3. How many vapor hoses do you attach? 1 Size? 2"
4. Do you have an excess flow valve in the piping? (Not the excess flow valve in the railroad car.)

Yes

No

If yes, please describe the type of valve and where it is located.

5. Do you have a check valve in the piping of each unloading hose?

Yes

No

If yes, please describe the type of valve and where it is located.

6. Do you rely on the railroad car excess flow valve? yes

7. How do you measure the VCM level in the railroad tank car? Please describe.

Outage gauge

8. What type of safety protection is provided in your railroad tank car loading/unloading operation? Please describe.

R&S 029197

9. Do you have a GC monitoring system in the loading/unloading area?

☒ Yes No Other

10. Do you install a remote operated shut off valve at the tank car connection?

Yes ☒ No

If yes, what activates this valve? _____

11. What type of hose do you use in this service? Please describe.

2" 150' Stainless Steel flexible hose

Do you have an inspection or testing program for these hoses? Please describe.

Annual hydrotest

Tested with N₂ before each use.

13. What type of disconnect do you use in this service? Please describe.

Hammer Unions

14. Do you require constant attendance by an operator during loading or unloading?

☒ Yes No Other

15. How do you remove the VCM vapors in the hoses for disconnect? Please describe.

Purge with N₂ for at least 5 minutes

(back in air)

R&S 029198

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16. What are your requirements for chocking and setting the brakes on the railroad car? Please describe.

Must be done every time for each car

17. Have you ever experienced an uncontrolled release in the loading/unloading operation? Please describe the incident, the cause and the corrective measures taken.

N/D

Company:

Dow

Location:

Oyster Creek, Texas

Preparer:

Dale Green

PLEASE RETURN TO:

Herm Waltemate
BFGoodrich Company
6100 Oak Tree Boulevard
Cleveland, Ohio 44131
U.S.A.

*Send copy
to me.*

Bob Aubre