

VINYL
INSTITUTE

To: Distribution
From: Fred Krause

July 29, 1993

**ISSUES MANAGEMENT COMMITTEE:
KANSAS PIPE TASK FORCE
MINUTES OF MEETING JULY 27, 1993**

Attendees:

Lloyd C. Ambler - Certainteed
Michael K. Barish - BCP
Robert Burnett - VI
Bill Carroll - Oxy
Beverly Cholson - Georgia Gulf
Peter L. De La Cruz - Keller & Heckman
Dave Eckstein - Uni-Bell PVC Pipe Assoc.
C. A. Gellner - Certainteed
Don Goodman - Oxy
Nora Jacobs - Edward Howard
Arthur Kahn - Schrader, Harrison, et al
Byeong H. Jo - Certainteed
Thomas M. Landin - Certainteed Corp.
Ron McCreedy - DOW
Al Reventas - ShinTech Inc.
Fred Sacks - Oxy
Kenneth E. Smith - NSF International

CTL006703

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**ISSUES MANAGEMENT COMMITTEE:
KANSAS PIPE TASK FORCE
MEETING JULY 27, 1993**

- I - Dave Eckstein reviewed history of the vinyl chloride detection in water samples from pipe in Doniphan County rural water district #5 by the Kansas Department of Health and Environment (KDHE). (Summary attached.) Dave noted a meeting with EPA is set for August 16, 1993 with Peter Cook, Assistant Director for Water Quality, Federal EPA and Steve Clark, EPA, Cincinnati. Dave's telephone comments to EPA was that industry will assist technically in remediation, but will not do remediation; pipe met specs as originally installed and remediation is responsibility of local water district. EPA wants to scope the problem beyond Kansas and asked for assistance. Dave is working with FHA to get data on pipe installed prior to 1975.
- II - Dr. Ken Smith - NSF, reviewed the data from their study contracted by the task group. (Attached.) Summary of that data:
- 1) A number of samples taken from various points in the Doniphan #5 system exceed the 2ppb EPA specification; others were non-detectable.
 - 2) NSF testing was done by two techniques and correlates reasonably well with KDHE results.
 - 3) Samples from new pipe system were non-detectable. Most of the detectable samples were at the end-of-line samples with low usage rates and in the old piping system with the average RVCN in the wall of 190-410 ppm.
 - 4) However, a number of samples in the old piping system were non-detectable. We need to get flow rate data from the system to fully understand the data. Dave Eckstein, Unibell, will expedite getting that data.

Don Goodman summarized three conclusions from the data:

1. VCM in water is from the pipe.
2. There was no detectable RVCN in the new pipe.
3. Most likely there are no extraneous circumstances, creating RVCN in the water.

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III-

The Group extensively discussed the range of remediation possibilities:

Remediation Alternatives

- o Do Nothing
 - Not responsible or practical.
- o End-of-Pipe Solutions
 - Carbon treatment
 - Current data indicates not reliable at low RVCM.
 - Requires regular service at site.
 - Stripping-Air/Steam
 - Practical in industrial/commercial situation; likely not in home.
 - Requires regular service at site
 - Passivation of Pipe Surface
 - Technically - low probability of success and on continuing basis.
 - Shunt line off this end of pipe possibly
 - Consistent with flushing techniques for pipe systems.
 - Provide regular/necessary flow in system.
 - Need some modeling to define requirements.
- o Replace/Re-Run Pipe
 - Positive solution.
 - Likely most costly.
 - Sets precedent for future.

IV - Reporting under TOSCA 8e. Peter de la Cruz reviewed K&H opinion. Since we are working directly with EPA on issue, it is not reportable under TOSCA 8e. Several pipe companies and DOW are re-looking internally and may determine it is reportable. Anyone filing under 8e will notify the rest of the members.

Note: 7/29/93 - Ron McCreedy reported that DOW has reviewed internally and decided not-reportable.
- PWPipe has decided to file an 8e report.

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ACTION PLAN:

- 1) Conference call with VI Executive Board on Friday 7/30/93 to report action plan.
- 2) Unibell meeting on 8/10/93 to report action plan.
- 3) Meeting with EPA on 8/16/93.
Attendees: Ken Smith - NSF
Dave Eckstein - Unibell
Ron McCreedy - VI/Dow
?
 - a) Present data to date with conclusions and remediation alternatives.
 - b) Provide initial data on model/flow data on system.
 - c) Provide initial scope of issue - volume of pipe/where.
 - d) Get reading on next steps/approach by EPA-notification, etc.
- 4) Remediation - Modeling of System
 - a) Get flow data from Kansas - D. Eckstein
 - b) Contact A. Berens re model and confirmation of theory on current data. Check availability to work on problem.
Don Goodman - Oxy
 - c) Re-look at carbon cleanup potential. Krause/Goodman
 - d) Conference call on scope when data available.
Dave Eckstein 8/12/93 at 10:00 AM.
- 5) Get data on scope - FHA. D. Eckstein
- 6) Public relations/Communications
 - a) IF NSF wants/needs to make statement; provide some language. Nora Jacobs
 - b) Issue standby statement for VI/Unibell. Nora Jacobs
 - c) Notify other members if 8e filed. ALL
 - d) Provide timely information on EPA approach/communication on issue. D. Eckstein
 - e) Keep in touch with Kansas - KDHE. D. Eckstein