

DATE: January 10, 1995
TO: H. J. Kletke
FROM: S. E. Hale
SUBJECT: VCM Release - Large Poly Area

7 - Louisville
Narrative Report

Summary:

On January 5, 1995 at approximately 07:00, the relief valve on CL-2A lifted. A call was placed to 911. Following approval from John Wilkinson of the Lake Dreamland Fire Department, the "all clear" was given at 07:30. The release was calculated to be a maximum of 47 pounds VCM.

A Board of Review was held on January 6, 1995 at 08:00 in the LPA Conference Room with the following in attendance:

H. Kletke - Plant Manager	R. Martin - Manager Compound/Safety
F. Schuler - Plant Engineer	M. Thompson - Env. Engineer
K. Spangler - Env. Engineer	F. Levy - Supervisor Safety/Training
S. Brown - Engineering Sup.-LPA	S. Hale - Gen. Foreman - LPA
J. Hafling - Shift Sup. - LPA	M. Lucas - Shift Sup. - LPA
M. Carmack - Sr. Process Control Sup.-LPA	

Corrective Action:

1. Review incident with all area personnel. FJL 1/6/95
2. Review cold weather operating guidelines. FJL 1/6/95
3. Trace and lag column pressure transmitters. SEH, CL-1A, 2A 1/5/95, CL-3A 1/13/95
4. Review column HAZOP. FJL/SEH 1/13/95
5. Establish a cold weather task force. SEH 1/31/95
6. Check CL-2A pressure transmitter. SEH 1/5/95
7. Review EV-7 action tree with BFG. M. Thompson 1/6/95
8. Check the pressure transmitter maintenance history. STB 1/6/95
9. Add back-up pressure transmitter capability to the columns. PES/STB 1st qtr. 1995
10. Review with maintenance personnel the need to replace insulation covers on equipment. STB 1/10/95

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Corrective Action (Continued):

11. Investigate the design of relief capability around the column pressure control valve.
STB 1/31/95

Narrative:

At 07:00 on January 5, 1995, the relief valve on CL-2A lifted, releasing VCM and steam into the atmosphere. Jim Hafing, Supervisor Trainee, was nearby and heard the release. He also observed about a six (6) foot plume. He quickly notified Mitch Lucas, Production Supervisor, of what he thought was CL-2A relief valve blowing. They investigated and felt fairly sure the valve had lifted. The column was immediately taken out of service.

The supervisors returned to the office to confer with Steve Hale, General Foreman. The GC and Mass Spec monitors were checked but there was no indication of VCM anywhere. The decision was still made to call the BFG guardhouse and request that a call be placed to 911. The request was made at approximately 07:10.

Jim Hafing went to the gatehouse to escort the 911 response personnel to the area. John Wilkinson of the Lake Dreamland Fire Department was on the scene by 07:25. After a brief explanation of what had occurred and the current status of the equipment, Mr. Wilkinson okayed the "all clear" to be sounded at 07:30.

Prior to CL-2A being put back in service, the rupture disc and relief valve were replaced. The pressure transmitter was bench tested for proper operation and then electrically traced at the nozzle. The entire transmitter was jacketed.

Facts Surrounding the Incident:

1. Weather conditions were calm and the temperature was at 5° F.
2. the control room operator is certified with 1.5 years experience in the LPA.
3. The column relief valve is located sixty (60) feet above ground.
4. The column had been in operation for several hours prior to the incident.
5. CL-2A pressure transmitter was not equipped with an insulation jacket at the time of the incident.

Management Systems Investigation:

1. There were no detectable VCM readings by any sensor point.
2. A sensor is located at the base of the column about five (5) feet above ground level.
3. A sensor is located thirty (30) feet east of the column about ten (10) feet high.