

To: G. D. Bevis

From: J. C. Palinsky

Located at: Leominster, Mass.

Subject: Monthly Report
October, 1979

Date: November 30, 1979

HIGHLIGHTS:

1. The Bendix Area Monitoring System shutdown completely four (4) times during October for unknown reasons.

Since a voltage upset was suspected as a possible cause of the malfunction, a recorder is being used to monitor the power supply.

2. The gas chromatograph for TCE and VAM monitoring will be put to other uses in the future. The failure of the system to function as predicted and a greatly reduced need for the monitoring lead to the decision to abandon the GC for copolymer monitoring.

3. The EPA Coordinator will attend Century OVA training sessions on December 10th and 11th. Equipment "on-site" repairs remain high.

Two units were returned to the manufacturer for complete overhaul.

4. The annual fire equipment testing and repair has been completed.
5. Hnu maintenance remained high, but all problems were resolved at the plant and all units are operational.
6. VCM area monitoring levels were up somewhat during October with several OSHA points averaging over 1.0ppm but less than 2.0ppm for the month. Several problems including VCM in the cooling water return sump outside Bldg. 1-W, overflow at Bldg. 7, reactor Weir boxes 7-E, leaking manhole covers, poor seal on slurry transfer strainers all contributed to the increase in low level alarms.
7. EPA perimeter and off-site monitoring continued to be excellent with no levels exceeding 1.0ppm VCM and most readings were non-detectable.
8. Reactor Opening Loss still failed to read 100% compliance, but an improvement was made through vacuum pump efficiency upgrading and higher temperature test levels (150°F).
9. The new EPA Technician hired to replace the vacancy left by the promotion of D. Picard and the subsequent personnel realignment is still pending. This is creating several problems in operational continuity within the department.

VINYL CHLORIDE CONTROL:

I. Monitoring Summaries (Personnel)

A. Monthly Monitoring Tests

	<u>October</u>
1. Personnel on Regulated Roster	189
2. Personnel Tested	150
3. Personnel Tests	165
4. Invalid Tests	6
5. Repeat Tests	15
6. Total Tests	165

BOR 013546

VINYL CHLORIDE CONTROL:

I. Monitoring Summaries (Personnel)

<u>B. Monthly Average by General Job Categories</u>	<u>October</u>
1. PVC Operators	0.8
2. PVC Helpers	1.6
3. Dryer Building	0.1
4. PVC Supervisors and Engineers	0.3
5. Polyco	0.4
6. Shipping	0.1
7. Maintenance	0.3
8. Development	0.7
9. Operations and Administration	0.4
10. Total Site	0.7

II. MAC Room Status

A. Bendix Monitoring System

1. System #1, monitoring 16 points was in alarm 6.0% of the time.
2. System #2, monitoring 16 points was in alarm 2.1% of the time.
3. System #3, monitoring 9 points was in alarm 0.6% of the time.
4. Total alarm duration in minutes 60,387
5. % of time all points were in alarm 3.3

B. Bendix Monitoring Equipment Downtime

1. System #1 8 hours
2. System #2 8 hours
3. System #3 8 hours
4. Total 24 hours
5. % Time Down 0.05%

C. Hnu Units Status

1. All units operational

D. Monitoring Equipment Expenses

1. October - Approximately \$538.00

E. Air Intake Monitoring (Testing Continuously)

1. Monthly Average - 0.22ppm

F. Special Monitoring

- | | <u>October</u> |
|---|----------------|
| 1. No of tests (Sipin pumps in down reactors) | 0 |
| 2. Range ppm | 0 |

NOISE CONTROL:

I. Monitoring Summaries

A. Monthly Monitoring Tests

1. Personnel Tested

October

14

B. Monthly Average Plantwide (8 hour TWA)

1. No. Invalid Tests

4

2. No. Tests

14

3. Range dBA

6-86% of 90dBA

II. Area Monitoring

A. Monthly Monitoring Tests

1. Areas Tested

1

2. Area Tests

1

B. Monthly Average by Work Area (Sound Level Meter)

dBA Range

1. Bldg. 1-W Upper

90% of 90dBA

2. Bldg. 1-W Lower

No Work Done

3. Bldg. 1-E Upper

No Work Done

4. Bldg. 1-E Lower

No Work Done

5. Bldg. 7-E Upper

No Work Done

6. Bldg. 7-E Lower

No Work Done

7. Bldg. 7-W Upper

No Work Done

8. Bldg. 7-W Lower

No Work Done

9. Bldg. 3

No Work Done

10. Bldg. 2

No Work Done

11. New Recovery Bldg.

No Work Done

FUTURE PROJECTS:

I. Projects

A. Vinyl Chloride Exposure

1. Special area testing will resume as manpower permits.

2. A complete fire protection system audit took place. A report was issued by the insurance company. A reply will be made as soon as the report is received by the Safety Engineer.

3. A dust monitoring program was studied. Corporate assistance and more sophisticated testing will be done in January.

B. Noise Surveys

1. Dosimeter monitoring will continue on a limited basis in November. Full scale monitoring will begin when equipment is in full repair and manpower requirements are satisfied.

C. Housekeeping

1. General advice and emphasis will continue through the safety tour observations regarding housekeeping.

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FUTURE PROJECTS:

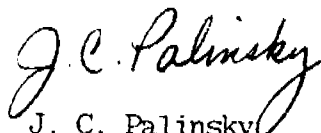
I. Projects

D. Fork Truck Training

1. A determination of need for Fork Truck Training was made by the Safety Engineer. A new series of sessions will be set up for next spring with the International Safety Academy.
- E. The EPA Coordinator will attend Century training school on December 10 and 11, 1979.
- F. The EPA Coordinator will visit the Illiopolis works and observe reactor opening loss procedures on December 13, 1979.

SUMMARY:

- I. Portions of the data contained in this report is extracted from reports by R. A. Slocumb, C. Snyder, and K. Landry to J. C. Palinsky and were only summarized for convenience.


J. C. Palinsky
Safety Engineer

JCP/kml

cc: N. M. Blackman