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ALGC - Health, Safety & Environmental Affairs

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ALGC - Environmental Affairs

7-25-83

OSHA Progress Report - June, 1983

1. Summaries of personnel and area monitoring conducted during the month are presented in the attached tables and figures.
2. In preparation for our experiment with VCM badges, Paul Zakriski and Tom Turner have been meeting with the operators to explain the details of the program and its objectives.
3. Lead exposure, while running compound product number 87302, is still high. The recipe ingredients are all dry and dusting is much worse than normal. Compound is trying to reduce exposure by running the product on the CML rather than the Banbury, improving spot ventilation at the Farrel, and improving the Farrel feed hopper seal. We will continue to monitor exposure.
4. ALTC is still evaluating the effects of running compound materials with tin maleate. Employees are reporting nausea and eye, nose and throat irritation. We continue to monitor their studies.

Robert C. Lockemer

RCL/bp

DISTRIBUTION:

B.R.Welch  
W.E.Horton  
C.Bayard  
J.R.Shellenberger  
D.D.Quester  
J.C.Meck

R.K.LaCosse  
T.J.Biskupich  
E.B.Katzenmeyer  
D.J.McDonald  
D.J.Barnicki  
J.C.Ritz

T.S.Bialke  
H.Waltemate  
J.S.Kiel-Ped.  
D.J.Gargas  
Dispensary  
~~A.R.Denne~~

NGC 18146

SUMMARY OF  
PERSONNEL MONITORING

June , 198<sup>3</sup>

| Parameter | Allowable<br>Conc.<br>8 hr. TWA | Month             |               |                        | Year-To-Date      |               |                        |
|-----------|---------------------------------|-------------------|---------------|------------------------|-------------------|---------------|------------------------|
|           |                                 | No. of<br>Samples | Avg.<br>Conc. | No. Above<br>Allowable | No. of<br>Samples | Avg.<br>Conc. | No. Above<br>Allowable |
| VCM*      | 1 ppm                           | 20                | .31           | 1                      | 109               | .80           | 21                     |
| Plant     |                                 |                   |               |                        |                   |               |                        |
| B/432     |                                 |                   |               |                        | -                 |               |                        |
| B/438     |                                 |                   |               |                        | 1                 | .16           |                        |
| B/449     |                                 |                   |               |                        |                   |               |                        |
| B/451     |                                 |                   |               |                        | 4                 | .50           |                        |
| B/452     |                                 | 6                 | .10           |                        | 18                | .30           | 1                      |
| B/454     |                                 |                   |               |                        | 1                 | .00           |                        |
| B/455     |                                 | 1                 | .07           |                        | 10                | .16           |                        |
| B/457     |                                 | 2                 | .17           |                        | 6                 | .15           |                        |
| B/458     |                                 |                   |               |                        | 1                 | .20           |                        |
| B/459     |                                 | 1                 | .17           |                        | 2                 | 3.71          | 1                      |
| B/461     |                                 | 5                 | .61           |                        | 40                | 1.36          | 14                     |
| B/463     |                                 |                   |               |                        |                   |               |                        |
| B/464     |                                 | 4                 | .49           | 1                      | 19                | .72           | 5                      |
| B/466     |                                 | 1                 | .00           |                        | 6                 | .15           |                        |
| B/468     |                                 |                   |               |                        | 1                 | .13           |                        |
| B/471     |                                 |                   |               |                        |                   |               |                        |

\* Includes all long term monitoring with and without tasks.

NGC 18147

SUMMARY OF  
PERSONNEL MONITORING

June , 1983

| Parameter        | Allowable<br>Conc.<br>8 hr. TWA | Month             |                   |                        | Year-To-Date      |                   |                        |
|------------------|---------------------------------|-------------------|-------------------|------------------------|-------------------|-------------------|------------------------|
|                  |                                 | No. of<br>Samples | Avg.<br>Conc.     | No. Above<br>Allowable | No. of<br>Samples | Avg.<br>Conc.     | No. Above<br>Allowable |
| Dust             |                                 |                   |                   |                        |                   |                   |                        |
| Total            | 10 mg/m <sup>3</sup>            |                   |                   |                        |                   |                   |                        |
| Respirable       | 5 mg/m <sup>3</sup>             |                   |                   |                        |                   |                   |                        |
| Noise<br>90-80-5 | 85 dBA<br>%                     | 2                 | 46.15%<br>84.4 dB | 1                      | 29                | 61.38%<br>86.5 dB | 18                     |
| Metals           |                                 |                   |                   |                        |                   |                   |                        |
| Sb               | 500 µg/m <sup>3</sup>           |                   |                   |                        |                   |                   |                        |
| Cd               | 200 µg/m <sup>3</sup>           |                   |                   |                        |                   |                   |                        |
| Cr               | 500 µg/m <sup>3</sup>           |                   |                   |                        |                   |                   |                        |
| Pb               | 50 µg/m <sup>3</sup><br>10 ppm  | 9                 | 107.96            | 7                      | 16<br>3           | 78.50<br>.64      | 7                      |
| Other            |                                 |                   |                   |                        |                   |                   |                        |

| Area Personnel<br>Monitoring | VCI % Actual < 1 |     |              |     |
|------------------------------|------------------|-----|--------------|-----|
|                              | Month            |     | Year-to-Date |     |
|                              | (No.)            | %   | (No.)        | %   |
| B/451                        |                  |     | 4            | 100 |
| B/461                        | 5                | 100 | 40           | 65  |
| B/463                        |                  |     |              |     |
| B/464                        | 4                | 75  | 19           | 74  |

NGC 18148

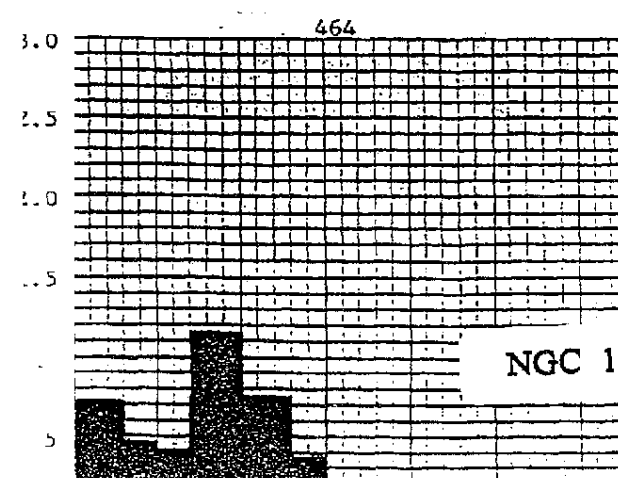
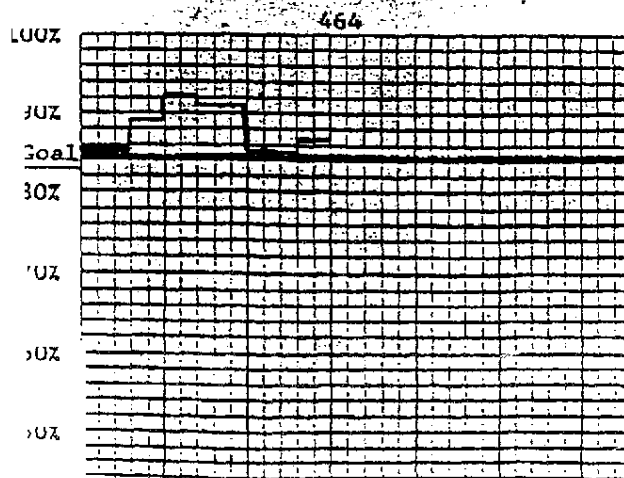
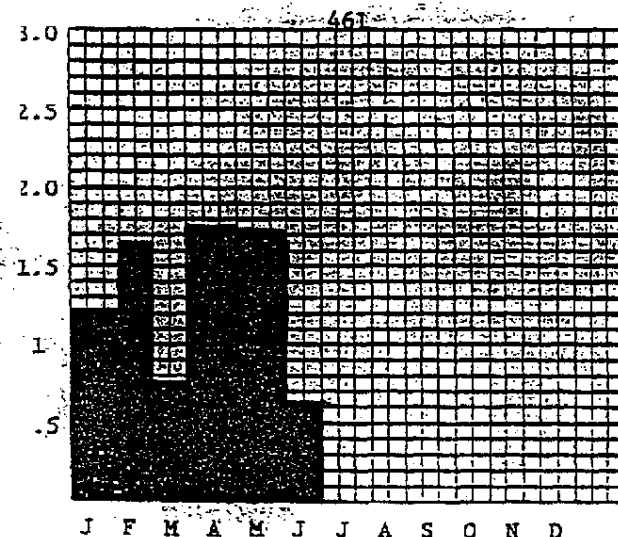
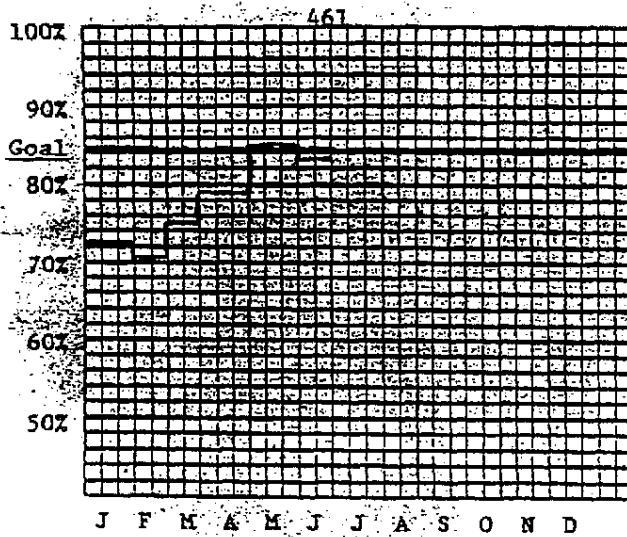
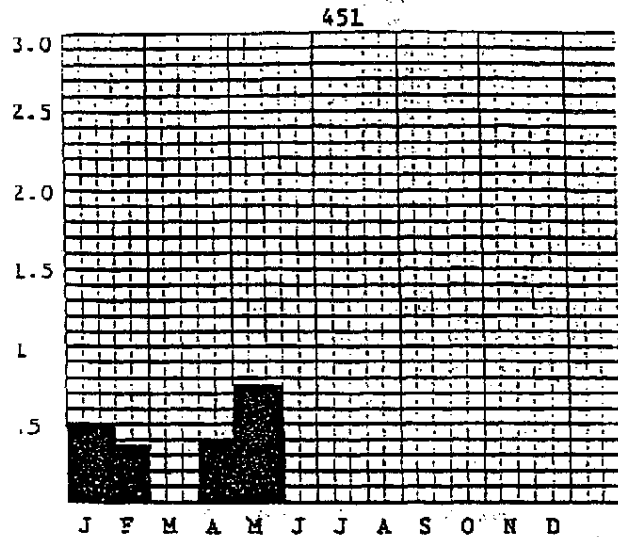
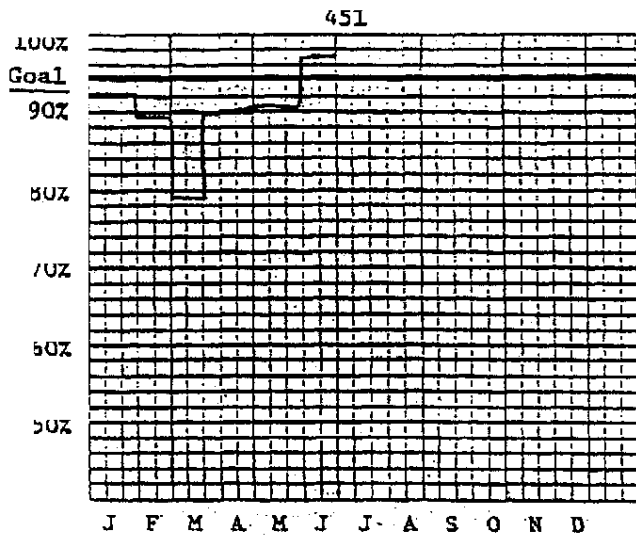
> 1 PPM LONG TERM TEST

| NAME     | DATE<br>OF TEST | PPM  | RESP. | JOB<br>CODE | EMPLOYEES<br>DESCRIPTION OF WORK                            | AREA |
|----------|-----------------|------|-------|-------------|-------------------------------------------------------------|------|
| REDACTED | June 2          | 1.09 | No    | 630         | Task 301<br>Changing vinyl filters<br>Red lights on and off | 464  |

NGC 18149

GC % < 1 ppm

Personnel Monitoring Average ppm



NGC 18150