FILE NAME: Garlock (GAR)

DATE: 1972-1976

DOC#: GAR009

DOCUMENT DESCRIPTION: Barry Castleman Notes on Fiber Count

G-7390 Table of fiber count data sheet in Aug-, 1972 (OSHA: 5 f/cc) >5µ
Since 12/7/71

| | | ≤5 | >5 | >10 | >20 | |
|---|---|---|---|---|---|---|
| 1972 | p1 | 5 | 6 | 3 | | |
| | p2 | 3 | 8 | 6 | 3 | [mostly 1-hr samples |
| | 3 | 1 | 7 | 5 | 2 | |
| | 4 | 0 | 8 | 5 | 2 | |
| | 5 | 2 | 6 | 6 | 2 | |
| | 6 | 0 | 8 | 3 | | |
| | 7 | 3 | 5 | 4 | | |
| | 8 | 2 | 6 | 3 | 1 | |
| | 9 | 0 | 8 | 6 | 1 | |
| 1973 | 10 | 0 | 8 | 6 | | |
| | 11 | 1 | 7 | 6 | 1 | |
| | 12 | 0 | 8 | 5 | | |
| | 13 | 2 | 10 | 5 | 2 | |
| | 14 | 5 | 7 | 3 | | |
| | 15 | 3 | 8 | 4 | | |
| | 16 | 1 | 11 | 6 | 3 | |
| | 17 | 2 | 10 | 8 | 3 | |
| | 18 | 6 | 6 | 2 | | |
| | 19 | 6 | 6 | 3 | | |
| | 20 | 8 | 3 | 2 | 1 | |
| Subtotals | | 50 | 146 | 91 | | |
| | | 196 | | | | |

| Data Sheet No. | ≤5 f/cc | >5 | >10 | >20 | |
|---|---|---|---|---|---|
| 21 | 8 | 3 | 2 | | |
| 22 | 2 | 10 | 6 | 4 | Sept.-most w/ windows clos |
| 23 | 0 | 12 | 12 | 4 | |
| 24 | 2 | 10 | 9 | 6 | |
| 25 | 1 | 11 | 9 | 8 | (highest 84.5) |
| 26 | 1 | 11 | 10 | 6 | 30-min samples high: 57, 77 |
| 1974 27 | 1 | 11 | 10 | 8 | 30-min. samples high: 50.7 |
| 28 | 2 | 8 | 7 | 5 | |
| 29 | 2 | 3 | 2 | 2 | |
| 30 | 1 | 4 | | | |
| 31 | 1 | 4 | 1 | | |
| 32 | 1 | 4 | 1 | 1 | Empl. Mut. Garlock |
| | 1 | 4 | 4 | | |
| 33 | 1 | 4 | 2 | | |
| 34 | 2 | 3 | 3 | 2 | high: 72 |
| 35 | 3 | 2 | 1 | 1 | |
| 36 | 2 | 3 | 2 | | |
| 1975 37 | 0 | 5 | 3 | | |
| 38 | 1 | 4 | 3 | 2 | |
| 39 | 0 | 5 | 3 | 3 | |
| 40 | 1 | 4 | 4 | | |
| 41 | 0 | 5 | 3 | 3 | |
| 42 | 0 | 5 | 4 | 3 | |
| 43 | 0 | 5 | 5 | 2 | |
| 44 | 0 | 3 | 3 | 3 | |
| 45 | 0 | 5 | 4 | 1 | |
| subtotals | 32 | 144 | 112 | | |
| | 176 | | (Garlock count in sheet 32. | | |

| Data Sheet No. | | ≤5 f/cc | >5 f/cc | >10 | >20 | |
|---|---|---|---|---|---|---|
| | 46 | 0 | 5 | 4 | 2 | |
| | 47 | 0 | 5 | 5 | 3 | |
| | 48 | 1 | 2 | 2 | 1 | High 61 |
| 1/76 | 49 | 2 | 3 | 2 | 1 | High 63 |
| | Subtotals | 3 | 15 | 13 | | |
| | | | 18 | | | |
| | TOTALS | 85 | 305 | 216 | | |
| | | | 390 fiber counts | | | |

## Observations

Slightly under 1/4 of the recorded exposures were definitely within legal limits (≤5 f/cc longer than 5 M.

More than half of the recorded exposures violated the peak exposure limit for 15-min. periods allowed by OSHA (10 f/cc)

There seems no trend of improvement, with ratios of illegal counts : legal ones worse on pp 2-3 of the data. Also lots of high >20 counts in 1975-76

1975+'75 $\frac{7+17}{18+43}$ counts over 20 f/cc counts total

$= \frac{24}{61} = 39\%$ of counts over 20

1972+1973 $\frac{28+21}{196+71} = \frac{49}{267} = 18\%$ over 20