

C-00327

April 7, 1975

BARRETT BRAY
INDUSTRIAL CHEMICALS DEPARTMENT
REPAIRO

ASBESTOS SAMPLING RESULTS

On March 11, 1975 four personal air samples were taken in the old BMT plant at Reparo during removal of asbestos insulation from pipe work. Particle counts were done using phase contrast microscopy. The results are as follows:

<u>SAMPLE NO.</u>	<u>FIBERS (> 5 μ IN LENGTH)/CM³</u>	<u>SAMPLING TIME</u>
1	7.4	15 minutes
2	2.2	10 minutes
3	4.7	10 minutes
4	3.3	10 minutes
Average	4.4	45 minutes

Although the first sample exceeded the time weighted threshold limit value of 5 fibers (> 5 μ in length) per cm³, this is below the ceiling value (maximum allowable concentration for a short period of time) of 10 fibers /cm³. If the total time that a worker devotes to asbestos work each day and each week is taken into consideration, the time weighted average concentration of asbestos fibers would be much lower than the 4.4 fibers /cm³ for the 45-minute sampling period.

412

To keep exposure to a minimum, workers should continue to wear respirators when working with asbestos. However, the water spray should be discontinued, since the force of the spray tends to create dust, and the amount of dust control provided by this small amount of wetting is negligible.

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