

CHEMICALS



INTEROFFICE / LAKE CHARLES

OCT 1 1973

TO See Distribution

DATE

September 26, 1973

FROM M. Wood

SUBJECT

Particulate Sampling
at Sandblasting Area

Particulate air sampling was done on 9/17/73 in the sandblasting area. Samples were taken approximately 35 yards downwind of the sandblasting operations. Testing included total particulate, particle sizing, and metal dust. Results are appended.

MW:rw

Att.

Distribution

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SL 093252

Particulate Testing at Sandblasting Area

Total Particulate
(Membrane Filter Method)

66.6 mg/M³

Particulate Sizing
(Midget Cascade Impactor)

> 5.5 microns
(non respirable) 46%

5.5 to 3.5 microns
(20% respirable) 33%

3.5 to 2.0 microns
(50% respirable) 12%

2.0 to 0.3 microns
(100% respirable) 9%

Total Respirable Dust 22% or 15 mg/M³

Metal Dust (Atomic Absorption Analyses of Acid Extraction)

Cadmium < 60 µg/M³

Chromium < 120 µg/M³

Copper < 60 µg/M³

Lead < 60 µg/M³

Zinc 1520 µg/M³

mmw

9/26/73

total dust.
10 mg/m³

60 mg/m³