PLAINTIFF'S
EXHIBIT
CEL-882

Interoffice Memorandum

(Name and Location)	DATE
L. C. Whitlock/O. W. Schnellenberger	1-18-83
FROM (Name and Location)	REFERENCE NO.
N. A. Flaten/H. A. Scarborough/J. H. Pritchard	NAF-5/HAS-4/JHP-2-8

NUISANCE DUST MONITORING RESULTS

SUMMARY

Special Products and MS 409/MS 383 Filled Resins area personnel were monitored for exposure to nuisance dust. The data shows that none of the 8 hour time weighted average (TWA) exposures exceeded the 10 mg/m^3 8 hour TWA permissible exposure limit. The results ranged from <0.1 to 4.6 mg/m^3. This survey indicates that there is no nuisance dust exposure problem when operating under normal conditions. However, certain dusty compounds such as asbestos, antimony trioxide and cadmium require added precaution in which exposures should be kept to a minimum. Therefore, personal protective equipment should continue to be used when handling these compounds or when performing tasks which involve exposure to high dust levels. Also, maintaining good housekeeping practices is necessary to keep dust levels to a minimum.

Please review the exposure data with the personnel involved and post the data on your bulletin board.

DISCUSSION

Attached are the nuisance dust monitoring results for Special Products and MS 409/MS 383 Filled Resins personnel. This completes the CER Bishop Plant survey for nuisance dust exposure.[1] Nuisance dust exposures were monitored to ensure the exposure levels are still in compliance with the 10 mg/m^3 8 hour TWA permissible exposure limit.[2]

The dust samples were collected on a 0.5u porosity PVC filter and analyzed gravimetrically. Since the method provides no distinction as to the type of dust on the filter, all dust collected was classified as nuisance dust.

The 8 hour TWA exposures to nuisance dust ranged from <0.1 to 4.6 mg/m^3. The results indicate that there is no nuisance dust exposure problem when operating under normal conditions. However, exposure to dusty additives such as asbestos, antimony trioxide and cadmium should be kept to a minimum. Therefore, personal protective equipment should be used when handling these compounds or when performing tasks involving exposure to high dust levels. The 3M9910 dust mask should continue to be worn during incorporating or blending of additives, building blowdown, vessel cleaning, masterbatch blending, and buffing screws. Disposable coveralls, gloves

and shoe covers may also be required to minimize exposure. Also, good housekeeping is necessary in keeping dust exposures to a minimum. G. Ille, the Plant Industrial Hygienist, has reviewed these results and concurs with these conclusions and recommendations. Monitoring for exposure to asbestos, antimony trioxide and cadmium will be conducted during potential peak exposure periods.

CONCLUSIONS AND RECOMMENDATIONS

1. None of the 8 hour TWA exposures to nuisance dust exceeded the 10 mg/m^3 8 hour TWA permissible exposure limit.

2. The results of the 8 hour TWA sampling indicate that there is no nuisance dust exposure problem in these areas when operating under normal conditions.

3. Personnel should continue to use the 3M9910 dust masks when handling asbestos, antimony trioxide and cadmium or performing tasks which involve high exposure to dusts. Protective equipment such as disposable coveralls, gloves and shoe covers is required when handling asbestos or working on equipment that contains asbestos.

4. Maintaining good housekeeping practices is necessary to keep dust exposures to a minimum.

5. Additional samples for nuisance dust, asbestos, antimony trioxide and cadmium will be taken during building blowdown and MS 409/MS 383 are weigh belt feeder cleaning.

REFERENCES

[1] OSHA specifies a 15 mg/^{3} 8 hour TWA permissible exposure limit for nuisance dust while the American Conference of Governmental Industrial Hygienists specifies 10 mg/m^3 8 hour TWA.

[2] Flaten, N. A., Pritchard, J. H., Nuisance Dust Monitoring Results, 2-5-82 (NAF-4/JHP-3-82).

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Attachments

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