WU-0219 # 37

PLAINTIFF'S EXHIBIT

UC-3061

# INDUSTRIAL HYGIENE RESULTS

DATE: April 7, 1987.

PROJECT: Monitor insulators for asbestos during deinsulation of R-2 in the Reactor Area of Silanes. A negative pressure enclosure was built around the reactor for the purpose of deinsulation.

DATE OF SAMPLES: 2/10/87

| SAMPLE | TYPE | TIME START | TIME STOP | RESPIRATOR | RESULTS |
|---|---|---|---|---|---|
| Z-8962 | BZ | 10:30 | 11:23 | Airline | 0.31 fibers/cc |
| Z-8963 | BZ | 10:32 | 11:21 | Airline | 0.52 fibers/cc |

BZ = Breathing Zone

DISCUSSION: Both samples showed air concentrations above the OSHA PEL during the monitoring period. Respiratory protection was worn during the entire monitoring period. Even if one considers 4 - one hour exposure periods with no other exposures and averages this over 8 hours, sample Z-8963 would be above the PEL $TWA_8$ of 0.2 fibers/cc. Obviously, these concentrations are unacceptable.

RECOMMENDATIONS: Wet methods must be used more effectively. The use of the enclosure keeps all ambient fibers in close proximity to the worker and therefore the methods used to prevent fiber release must be even more stringent. It goes without saying that respirators must continue to be used when working in the temporary enclosure. This will not be counted as an overexposure since respiratory protection prevented the employee from actually being exposed to the material.

METHOD OF ANLYSIS: Microscopy

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