

PLAINTIFF'S EXHIBIT

DOW-1949

ST0177599



*Alaine* 1995

**RESTRICTED**  
**For Use of Dow Employees Only**

DEPARTMENT: Chlorine

JOB CLASSIFICATION: S. O. T. -

DATE OF THIS REPORT: 1/20/75

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Exposure to noise (A scale) for this job classification - Equivalent Exposure Rate ----->

cc: Environmental Health Committee, Bldg. 2304  
cc: Department File  
cc: Medical Department, Bldg. 2303

RGV/ad  
6-20-73



DOW CHEMICAL U.S.A.

LOUISIANA DIVISION  
PLAQUEMINE, LOUISIANA 70754  
604 687-4321

LOCATION CHLORINE - 2601 BLDG.

ENVIRONMENTAL HEALTH REPORT

ASBESTOS SURVEY  
CHLORINE

FILE NO. 100-13-1

DATE 1-1-75

AUTHOR Dannie Kennedy

CHECKED Charles E. Stephen

DATE

SUMMARY

Monitoring operations in the cell building for asbestos exposure while pulping cells has been completed. Results were favorable as they were well within the O.S.H.A. time weighted average limits for an eight-hour shift. The samples ranged from a low of .029 to a high of 0.33 fibers per cc greater than 5 microns in length which compares favorably to the O.S.H.A. eight-hour standard of 5 fibers per cc and Dow's standard of 2 fibers per cc.

Operators must be kept informed of the monitoring results and the hazards of handling asbestos. Proper handling procedure, and the wearing of proper breathing equipment should also be re-emphasized. The MSA Comfo Respirator (Type EM 2301) with the dust filter is required when handling asbestos.

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AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY



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## CHLORINE

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Collected four samples at Chlorine using the Bendix pump set at 2 liters per minute. The samples were collected from the breathing zone with the sampler pinned on the operator's lapel.

The samples were collected while the operators were pumping cells. To pulp a cell the operators have to make up an asbestos-water slurry and pour it into the cell to plug any leaks. The operators mix dry asbestos with water in a 55 gallon drum to form the necessary slurry. The asbestos should be wet down anytime it is being handled.

The four samples ranged from a low of .029 fibers per cc greater than 5 microns in length to a high of 0.33 fibers per cc greater than 5 microns in length which is well within the standard, set by O.S.H.A., of 5 fibers per cc greater than 5 microns in length and Dow's standard of 2 fibers per cc.

### Results of Survey

*Results of Survey*

|           |         |
|-----------|---------|
| Sample #1 | 0.029 / |
| #2        | 0.10 /  |
| #3        | 0.33 /  |
| #4        | 0.13 /  |

Operators must be shown results of test and encouraged to continue following safety precautions by wetting asbestos thoroughly and wearing proper breathing apparatus when mixing slurry. The MSA Comfo Respirator (Type EM 2301) with the dust filter is required.

Another precaution that should be discussed is the necessity for being extremely careful not to get the slurry on clothing which will dry out and give off airborne asbestos particles. All partially used bags of asbestos should be kept covered with plastic to eliminate another source of airborne asbestos particles.