PLAINTIFF'S EXHIBIT

DOW-1221

# DOW CHEMICAL U.S.A.

LOUISIANA DIVISION
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## INDUSTRIAL HYGIENE REPORT

CELL SERVICE & CHLOR-ALKALI I AREA

ASBESTOS UPDATE SURVEY

FILE NO. 115-17-10

DATE October 17, 1975

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CHECKED Charles E. Halphen

DATE 10-17-75

SUMMARY

Conducted an update asbestos survey for the second half of 1975 at Cell Service and the old Chlor-Alkali I area, which is used for building and repairing chlorine cells.

Results were favorable, and well within OSHA's standard of 5 fibers greater than 5 microns in length per cubic centimeter and Dow's standard of 2 fibers per cubic centimeter. (The OSHA standard will be lowered to 2 fibers per cubic centimeter in 1976.)

Survey findings ranged from .29 fibers per cubic centimeter in the drawing area, while an operator was drawing M-82 cathodes, to a low of .02 fibers per cubic centimeter in the electrician's workbench area which is adjacent to and above the drawing area.

Asbestos rope and paper have been replaced in the cell production, thus eliminating two sources of asbestos exposure.

Although survey results were favorable, we must adhere strictly to safe handling procedures. Supervision is responsible for enforcing safety precautions

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## SURVEY RESULTS

(Fibers greater than 5 microns in length per cubic centimeter)

1. .05 - Stationary sample at addition vat - Cell Service drawing area.
2. .29 - Operator drawing M-82 cathodes - Cell Service drawing area.
3. .13 - Stationary sample - Inside C A-I asbestos mixing room.
4. .19 - CA- I laborer mixing blue asbestos and applying to cells.
5. .15 - Stationary sample - Inside CA - I asbestos mixing room.
6. .06 - Operator drawing M-82 cathodes - Cell Service drawing area.
7. .02 - Stationary sample - Asbestos scrubber exhaust vent - Cell Service
8. .02 - Stationary Sample - Entrance to asbestos storage room.
9. .04 - Cell Service laborer - Hooking up cathodes in drawing area.
10. .08 - Stationary sample - CA - I exhaust from asbestos mixing room.
11. .07 - Stationary sample - Middle of CA - I work area.
12. .02 - Stationary sample - Cell Service electrician's workbench area.

Industrial Hygiene Reports 1975 - 1986

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