

LOUISIANA DIVISION INDUSTRIAL HYGIENE REPORT
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

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CA II INDUSTRIAL HYGIENE REPORT FOR 1986

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SUMMARY/RECOMMENDATIONS:

I. SUMMARY:

THE EMPLOYEES THAT HAD A LIKELIHOOD FOR EXPOSURE IN THEIR JOBS TO CAUSTIC MIST, CHLORINE, ASBESTOS, AND NOISE WERE MONITORED USING APPROVED SAMPLING AND ANALYTICAL METHODS. A NOISE SURVEY OF THE ENTIRE PLANT WAS ALSO CONDUCTED. NO DATA WAS COLLECTED ON HYDROCHLORIC ACID OR SULFURIC ACID BECAUSE HISTORICAL DATA SHOWS NO EXPOSURE PROBLEMS IN THESE AREAS.

II. CONCLUSIONS AND RECOMMENDATIONS:

RESULTS SHOW BELOW CURRENT EXPOSURE GUIDELINES FOR ASBESTOS, CAUSTIC MIST, AND NOISE. INITIAL MONITORING FOR NEW ASBESTOS STANDARD SHOWED NO POTENTIAL PROBLEMS. CHLORINE DATA SHOWED A FEW PROBLEMS WITH INSTANTANEOUS EXPOSURE. PROCEDURAL CHANGES AND ISSUING OF PERSONNEL FULL-FACE MASKS SHOULD CORRECT THIS PROBLEM.

THE NOISE SURVEY SHOWED ONE AREA WITH NOISE LEVELS AT 114 DB (GAS TURBINE COUPLINGS). ALTHOUGH INSIDE A HEARING PROTECTION AREA, IT WILL BE EVALUATED IN 1987 WITH RECOMMENDATIONS TO FOLLOW.

IN 1987 ASBESTOS, CAUSTIC, CHLORINE, AND NOISE SURVEYS WILL BE CONDUCTED ALONG WITH MONITORING FOR CARBON-TET, A NEW AREA AT CA II.

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