

March 12, 1974

LOUISIANA DIVISION
PLAQUEMINE, LOUISIANA 70764
804 687-4321

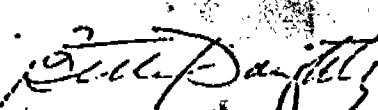
MEDICAL SURVEILLANCE

All contractor and Dow employees working in areas where chemicals may have toxic effect on liver have been included in plant medical surveillance program for several years. Originally tests obtained to determine liver toxicity were S.G.O.T., Thymol Turbidity, Cephalin Flocculation, and Bilirubin. We began obtaining SMA-12 in 1969. Approximately 300 to 350 employees are tested yearly. Several thousand persons have been tested over the years. We have never found any indication of liver toxicity due to chemical exposure. Plants included in this testing program are Glycol #1, Chlorinated Solvents, Vinyl, Chlorinated Methanes, Marine Tank Car Cleaning, Waste Disposal workers, and selected R & D personnel.

In 1971 we began a more comprehensive testing program on all employees engaged in operations. Medical history is taken as well as smoking history, any indication of weight loss or gain during past year is recorded - hemoglobin and urinalysis is done. Urinalysis includes blood, glucose, ketone, P.H., specific gravity, bilirubin and urobilinogen.

Additional procedures on those employees working in Vinyl Chloride area have been proposed, including EPA of chest, x-ray of hands, microscopic urinalysis, S.G.P.T., CBC, platelet count, forced expiratory volume and Fev₁. Physical examinations have been recommended and we are now in the process of securing these procedures.

- In event of single exposures breath sample for analysis is secured, physical examination by physician, SMA and other tests as indicated are secured.


Betty Doughty, R.N.
Medical Supervisor

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