

J. Barr

A. K. McMillan

17 June 1974

J. F. Odom

R. E. Jones

Employee Medical Examinations
PVC Survey

We had 201 employees who were given the following tests:

- SMA-12 Liver Profile (lab/blood work)
- Chest X-Rays
- Hand X-Rays (Related to Acroosteolysis - AOL)

Of the 201 employees examined, our results were as follows:

- A) 187 employees had negative results on all PVC related tests.
- B) 6 employees had one abnormal liver function test out of the 12 included in the Liver Profile. It had been predetermined by Dr. Kotin and Dr. Beidleman that any employee having one abnormal function test would be given a second liver profile (lab/blood work). An abnormal test result meant simply that the individuals test result differed from the norm established for a large group of people. It does not necessarily mean the individual has a problem. Following is a summary of the status of these 6 employees.
 - 1) [REDACTED] - Operator in PVC Plant. Second liver profile tests showed all tests within normal limits.
 - 2) [REDACTED] - Sr. Mechanic in Maintenance Dept. Second liver profile tests showed all tests within normal limits.
 - 3) [REDACTED] - Maintenance Foreman in Maintenance Dept. Second liver profile tests showed all tests within normal limits.

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- 4) [REDACTED] - Sr. Mechanic in Maintenance Dept. Second liver profile tests showed all tests within normal limits.
- 5) [REDACTED] - Laborer working in PVC through Carroll Construction Company. The original abnormal test continued to show an abnormal level although a lower percent was recorded. He will be retested in 6 months or approximately October 1974.
- 6) [REDACTED] - Operator in Nitric Acid Plant with previous PVC experience. On the first liver profile, he had one abnormal test. On the second liver profile, the one test was normal but he had two other abnormal results. He will be retested in 6 months or approximately October 1974.

C) 7 employees had more than one abnormal liver function test out of the tests included in the liver profile. It had been predetermined by Dr. Kotin and Dr. Beidleman that anyone with more than two abnormalities would be given a second liver profile (lab/blood work) and a liver scan if necessary. Six of the 7 were given liver scans. Following is a summary of the status of these 7 employees:

- 1) [REDACTED] - Operator in PVC. First liver profile showed more than one abnormal test and the hand x-rays indicated that the employee had Acroosteolysis (AOL). Because of the AOL, he was immediately removed from the PVC Plant and reassigned as an Operator in our Loading and Shipping Dept. where he would have no exposure to PVC. He was also given a second liver profile and a liver scan. The liver scan was negative and he had one abnormal function test from the liver profile. He will be retested in October 1974.
- 2) [REDACTED] - Sr. Operator in PVC Plant. On the first liver profile, he had two abnormal tests. He was given a second liver profile and a liver scan. The liver scan was negative. The two abnormal liver function tests continued to show abnormal. He will be retested in 90 days or approximately July 1974. It was also recommended by the doctors that he be removed from the PVC Plant, until further test results could be accumulated on this man. He was reassigned to the Ammonium Nitrate Plant.

Discussion
w/ [REDACTED]
6-25-74
N.K. [REDACTED]

Discussion
w/ [REDACTED]
6-17-74
J.M. [REDACTED]

EMPLOYEE NAMES REDACTED

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- 3) - Mechanic in Maintenance Dept. On the first liver profile, he had only one abnormal function test but on the retest, he had four abnormal tests. He was then given a liver scan. The liver scan was negative. He will be retested in 90 days or approximately July 1974.
- 4) - Sr. Lab. Technician in the Lab. On the first liver profile, he had one abnormal function test. On the retest, his AFP (Alpha Fetal Protein) was abnormal and the doctors recommended a liver scan. The liver scan was negative. He will be retested in 6 months or approximately October 1974.
- 5) - Sr. Mechanic in Maintenance Dept. On the first liver profile, he had more than one abnormal test result. On the second liver profile, he continued to show some abnormal results. He was also given a liver scan but the results were negative. He will be retested in 3 months or approximately July 1974.
- 6) - Sr. Operator in Nitric Acid with previous experience in PVC Plant. He had two abnormal test results on the first and second liver profiles given him. Because of the variance in the results, he will be retested in 3 months or approximately July 1974.
- 7) - Lab Technician in Lab. He had one abnormal function test on the first liver profile but it was considered as being one of the tests that was indicative of liver problems. He continued to show abnormal on the second liver profile in this one test. He was given a liver scan and the scan was negative. He will be retested in 3 months or approximately July 1974. The doctors recommended that he be removed from any exposure he might have in the Lab. to VCM. This has been done.

None of the above seven are considered to have any medical problems related to PVC that would require any additional tests immediately. The retest on these individuals is to establish a base line for each of them.

- D) One employee was normal on all liver function tests but his hand x-rays showed indications that his fingers were susceptible to AOL. We have assured that he will have no more assignments in the PVC Plant. This man is a Process Engineer in our Technical Dept.

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All of the employees have been notified of their status in the testing program. We will continue to test every six months, any employee who has exposure to PVC. This will include all operating personnel in the PVC Plant and any Mechanics or Lcb. Technicians assigned to PVC related work. This will encompass about 60-70 employees on a regular basis. We are also giving the PVC medical tests to all new employees who will be assigned to the PVC Plant.

If you have any questions on the above, please advise.

J. F. Odom

JFO:jsr

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