

Monsanto

FROM (NAME & LOCATION) Dept. of Medicine & Environmental Health - F.R. Johannsen, A2SC

DATE: August 27, 1976

CC:

SUBJECT: Epidemiology

REFERENCE: Krummrich Plant

TO G. Roush
A2SA

A group of 311 present/former W.G. Krummrich Plant employees have been compiled. Each of the 311 is known to have worked in Dept. 246, based on work history records. Information on the cause of death has been obtained on 50 former employees from this group. Evaluation of death certificates attribute 6 of those deaths to lung cancer.

A review of this population, omitting all those who worked in Dept. 246 for less than 6 months, yielded the following sub-population:

total number of employees	- 140
identified deaths (all cases)	- 23
deaths attributed to lung cancer	- 4

When compared to the 1969 U.S. male population, this group of 23 deaths would be expected to contain 1.24 cases attributable to lung cancer. Statistical comparison of the observed lung cancer versus the expected lung cancers yielded a highly significant chi χ^2 value of 7.1. This number is even more significant than the value (chi χ^2 = 6.8) obtained following evaluation of the full 50-person mortality population.



Frederick R. Johannsen

alw

