

Zonolite 06053331
Construction Products Division

GRACE

TO: W.J. McCaig DATE: March 12, 1982

FROM: R.J. Geiger SUBJECT: Fiber Sampling

cc: J. Murray, L. Vazquez

As a result of E.S. Wood's recent visit we were asked about the possibility of re-directing our fiber sampling efforts so as to generate fiber levels which would approximate an "average" exposure for the Libby operation. As you are aware, the guide lines we curently use largely bias the personnel average toward the high side. Simply stated - because we sample the higher exposure areas and jobs on a greater frequency than those with known low exposures. While it is impossible to achieve a given confidence level for this average due to the diversity of jobs, it is my opinion that we can obtain a representative value. The following points concern this sampling and its impacts upon the existing sampling.

1. Gathering this data would require about 350 samples annually or about 25% of our current sampling effort.

2. Considering some increase in sampling efficiency we would see about a 20% decrease in samples from the areas routinely sampled now with the same man power.

3. Data from this sampling would also be accounted separately in order to maintain relativity between previous years data.

4. The data gathered would support an overall average of $\pm$ about 0.05 f/cc.

5. I believe that the decrease in sampling that I have mentioned would not hurt our normal sampling significantly because of the extensive history already established

RJGEIGER/afl