



FEDERAL SECURITY AGENCY
PUBLIC HEALTH SERVICE

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IN REPLYING, ADDRESS THE

Industrial Hygiene Field Station
Box 2537 Fort Douglas Station
Salt Lake City, Utah

February 14, 1951

Dr. George A. Hardie
Asst. to Chief (Industrial Health)
Medical Branch
Division of Biology and Medicine
Atomic Energy Commission
Washington 25, D. C.

Dear George:

This is in reply to your letter of February 2, 1951, concerning assistance which Mr. Eisenbud might be able to give us in our survey.

Following your suggestion, I have written to Merrill and briefly outlined the specific problem on which we would like to have his help. We can arrange a field trip to several mines at almost any time now, though our exact itinerary would depend upon the weather.

So far we have not made any real investigation of radon concentrations in other than uranium mines. The number of radon samples we could take was severely limited, so the data we have was obtained by instruments and is only semi-quantitative. The Hillside Mine at Bagdad, Arizona, has high radon concentrations as shown by our instruments. Also, the Consolidated Caribou Mine near Nederlands, Colorado, has appreciable amounts of radon. As soon as weather conditions permit, we intend to make a brief survey of other mines in the Front Range, as small amounts of pitchblende are found in several tungsten mines and other operations in that area.

Both the mines I have mentioned are exceedingly wet and it is possible that a good deal of radon is being carried into them by the ground water. This was found to be the case in the Schneeberg Mines. It is my opinion that if we can locate a mine that has been operated for a long time, which contains an appreciable amount of radon, that we can obtain useful information from a study of the workers.

Sincerely yours,

Duncan A. Holaday
Duncan A. Holaday
Senior Sanitary Engineer

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FOLDER MHS 3-7 Col. Plat. Area
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