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455-10-13

Chief, Industrial Health Laboratory.

November 22, 1951.

You are no doubt aware that by arrangement with Dr. Pugsley, Dr. Chapman is assisting in a survey of the arsenic hazard at Yellowknife. Your laboratory is undertaking to analyze certain vegetables that have been grown in the arsenic-contaminated soil and to examine milk from a herd of cattle which is known to be taking in some arsenic trioxide from fodder.

We appreciate this cooperation in a survey which could not be carried out single-handed by any one departmental division.

I am sending you herewith a copy of "Environmental Sampling Locations" which is the field handbook for my staff who have gone to Yellowknife. The sampling pattern is based on the schedule laid down for the companies in the included copy of Dr. Charron's memorandum to Mr. Gibson dated Feb. 11, 1950.

Owing to technical difficulties, no air sampling or stack efficiency tests can be conducted until spring 1952. We will cover these as well as resampling according to the same schedule as is now being used.

Urinalysis on 100 persons is being done in the Industrial Health Laboratory; snow and vegetation by Mr. Fournier, Chief of the Chemical Laboratory, Mineral Dressing and Process Metallurgy Division, Mines Branch, and food by Dr. Chapman.

After you have perused the enclosed handbook, I would appreciate having it back if you do not wish to retain it.

Kingsley Kay.

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