

D

R

F

T

To: Dr. K. Kay.

File No. C455-10-13.

From: J. P. Windish.

April 12th, 1956.

Subject: Improvements in Data Collection at Yellowknife

Information being collected by fall pans set out by Giant could be made more valuable and informative by the following changes and additions:

- (1) Each month we should have data on wind speed and wind direction for that month. ✓
- (2) The actual location of fall pan stations should be spotted from the air and their positions changed if necessary to bring them more nearly into a direct line with each other and with the stack. ✓
- ✓ (3) Two fall pans should be set out at each station. ✓ This would serve two purposes,
  - (a) it would give an estimation of the reliability of the data,
  - (b) It would decrease the probability of no sample being obtained at a particular station due to theft of the can or other type of damage.
- (4) Every effort should be made to collect samples from every location at the appointed time. ✓
- (5) Giant should be required to take stack samples at least once a month to determine the efficiency of their collection system. An effort could then be made to correlate the fall pan data (pounds of arsenic per acre per year) with the amount of arsenic put out of the stack as determined by the stack sampling tests. ✓

*J.P.W.*

J. P. Windish.