

## FALCONBRIDGE NICKEL MINES LIMITED

## INTER-OFFICE MEMORANDUM

DATE: November 12, 1974

TO: Mr. H. E. Pawson

COPIES TO: DE, CAC

FROM: J. M. Mortimer

SUBJECT: Stack Emission - Campbell Red Lake

I had a call from Emil Nenniger of Hatch & Associates today and he gave me some information on the effluent from the Campbell stack. Presumably the tests were performed on two different days in June by Poluteck, whom Campbell employ for pollution work. In that you mentioned in your latest memorandum that Campbell would likely be the guideline leader for the gold mines I thought I should pass the information along so you can compare your performance against theirs. I must admit it is somewhat like the child telling his parents the facts of life.

Design specifications by Hatch called for a feed rate to the roaster of 400 lbs of arsenic per hour with a stack effluent of 15 lbs per hour of arsenic.

Test data showed:

	R. Feed Rate Tons/Day	Arsenic Content Lbs/Hr	Arsenic Evolved Lbs/Hr	Volume A.C.F.M.	Temp. °F	Loss Lbs/Hr
1.	60	341	284	15000	250	1.6
2.	60	341	284	18200	225	3.5

Grain Loading In Stack .01 - .03 gr./cu.ft.

Performance looks pretty good. How does it compare with yours?



J. M. Mortimer

JMM/pb