

# KERR / DISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

019326

Y-9



To..... W. M. Sirola ..... From..... J. K. Carrington

Subject..... Grum Exploration Work ..... Date..... September 22, 1977

Enclosed are two topographic maps outlining various surface areas required for the Grum project, plus some pertinent MECO material. These involve the plant site, the pit, waste dump areas, fresh water storage and tailings disposal.

Please assess these areas and prepare an exploration budget and program to be done next year to ensure that they are not, in fact, overlying any ore. Indicate the amount and costs of work to be done on the various properties (i.e. Cyprus Anvil, Grum Joint Venture, Vangorda/C.N.R. and Vangorda/Kerr, etc.) Once this is ascertained we shall have to decide how to allocate the budget.

The areas on the maps are approximate outlines only. The following notes should clarify possible questions you might have:

## 1. Open Pit and Plant Site

The pit outline is only indicative. It was determined by using an arbitrary pit bottom elevation of 1,100 m. To get some idea of an ultimate, I used a 400 m. depth and 45° wall slope to get the first dashed blue outline SW of the pit. Finally, buildings should be a minimum of 300 m. distant from the ultimate crest, hence the second dashed line SW of the pit. Before I determined this outer limit, MECO had located bedrock in the vicinity of sites marked 1. and 2. As these turned out to be too close to the pit, we tentatively located the proposed site last week. Bedrock was visible in certain places, but it is being tested more thoroughly with a backhoe this week. It also turns out that this site is within the #1 Overburden Dump location. We must leave room for the pit to take in the Champ Zone and possibly expand to the NW. Both these considerations also rule out sites 1. and 2. A third site 3. was tested but bedrock was not reached with the backhoe, and thus it has been eliminated (water was present as well). I enclose a copy of MECO's findings (sites 1., 2. and 3.)

## 2. Waste Dump Areas

Finding suitable sites for waste storage is a bit tricky. Dump 1. will have to be modified if the proposed mill site is accepted. Dump 2. is the largest, while 3. may be across the line of the pit expansion.

3./

To..... W. M. Sirola.....From.....J. K. Carrington.....

Subject..... Grum Exploration Work.....Date.....September 22, 1977.....

3. Fresh Water Dam Site

As I mentioned to you, the initial fresh water dam site on upper Vangorda has proven to be unfeasible. A second site below the Vangorda orebody is being investigated. This is particularly tricky because of its location with respect to both orebodies, as you pointed out. However, as this is the last alternative we have, other than the Pelly, the site is being investigated and we must determine whether it could prove to be an embarrassment or not.

4. Tailings - Shrimp Lake

I have only marked this on the map roughly as I am uncertain of the ultimate height. The dam is fairly closely sited and the second dam (off the print) is in the saddle between Shrimp Lake and Blind Creek.

This is a fairly large task and may require some time to do properly. As Jim and Alex will be required for the pit work for the immediate future, I suggest you and Fred prepare this estimate. I have talked to Dave about this and he agrees. I would like an estimate of the time you will require as soon as possible.

Best regards,

JKC:LFR  
Encls.

John K. Carrington