

MEMORANDUM

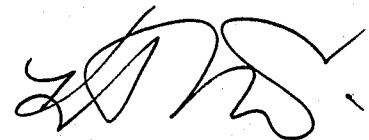
TO: S. McAlpine  
CC: R. Braconnier, G. Halverson  
FROM: K. Morton  
DATE: March 26, 1990  
SUBJECT: RECOVERY OF GOLD FROM B2-34 ARSENIC CHAMBER

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Further to my memo of March 20, "Gold Recovery From Arsenic Using Existing Roaster", revenues from this source would exceed \$500,000/mo, the operating cost would be low, the capital cost would be repaid in 2 months of operation, the risk is low, and the apparatus would be used for arsenic reclaim when the WAROX project gets underway. This installation would also test the reclaim process that may be used for the remaining arsenic stopes.

If we start now, the installation could be up and running in a few months, and the additional gold revenues would come in very handy when the project begins to pay off. At 85% recovery and a head grade of 2.3 oz/t, 20 tons of dust treated each day represents 1173 oz/mo, about \$545,000. If necessary, the project could be carried over to B2-33 as well, though this would definitely jeopardize the prospects for a full scale WAROX treatment plant.

There are likely several ways to recover the dust, to bring the material to surface, to convey the material into the storage silo, to convey the dust to the roaster, etc., and there are many other aspects to this proposal that would benefit by input from others. The question of feeding dust to the roaster for example, the metallurgical and safety considerations, how best to gain access to the storage chamber, etc, etc.. I suggest that a task force be convened immediately to thoroughly examine these questions, and to recommend a further course of action. Since this proposal has extraordinary potential for large profits over the short term, the task force should include department heads as well as technical staff likely to be involved.



Kent Morton