To K. Bloomer Sept 30 67.

From K. Morton

Re - Lancefield Arsenical Ore Treatment.

This operation is very similar to ours often in many ways though some of the differences are worth noting. —

As usual with other roasting operations, they operate their 2nd stage at higher temperatures to improve sulphur elimination, a practice we have not found to be particularly beneficial. - Interestingly they try to minimize flow rate through the ESP to increase retention time and then improve collection efficiency. A collection efficiency in excess of 99.1 % shows that they are successful in achieving good recovery. Use of a shell and tube heat exchanger to control temperature of exhaust gas to the ESP was not successful due to heavy scaling but water sprays in the upper section of the 2nd stage freeboard does the job.

It seems they have serious fouling problems in their cyanide precip.

circuit, possibly because they are using pachucas for leaching.

Extremely poor precipitation caused them to abandon the Merrill-Crowe process in favour of CIP. Their CN consumption was actually lower after converting since they no longer had to bleed high CN strength barren solution.