

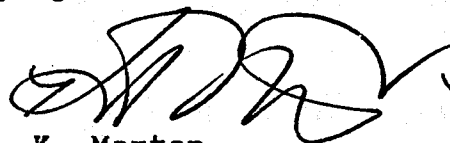
Giant
YELLOWKNIFE MINES LIMITED

MEMO TO: S. E. El-Alfy
CC: K. Blower
FROM: K. Morton
DATE: January 6, 1988
SUBJECT: HI TEMP GAS FILTER

In my search for high temperature dust collection equipment, I talked to a company called Air Pol Inc. of Teterboro, New Jersey, manufacturers of various types of gas scrubbers and filters. I spoke to Dave ? who offered a sintered metal collector bag good for temperatures up to 565°C. He told me that gravel bed filters first came out in the early 70's and were now not in regular use, having been replaced with various other collecting devices. Apparently the main problem is channeling of the bed when back flushing.

I have since been in contact with Paul Fiand of Mikropul Ltd. who have taken over the Ducon Co., original manufacturers of gravel bed filters. Though he could not tell me of any current users he did say that Mikropul still markets gravel bed filters in addition to other dust collection equipment. They will get back to me with more information on both gravel bed filters and high temp baghouses.

Apparently high temperature baghouses are not only very expensive, the fabric is quite fragile. 3M, the fabric manufacturer, likes to do bag changes using their own people. 3M fabric is good up to 675°C, plenty for our purpose.



K. Morton
Technical Project Supervisor

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