

URGENT Tele
Giant
YELLOWKNIFE MINES LIMITED

YELLOWKNIFE, N.W.T.
X1A 2M2

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URGENT! ☐ AS SOON AS POSSIBLE ☐

01433

REPLY COPY

SEND
TO

DEPT.

C. Halverson

Mill

COPY TO

K. Thomas / D. Dickson

DATE

Oct. 28/86.

SUBJECT

Working on Arsenic Line.

FROM

K. Blower

MESSAGE

Tuesday Oct. 28/86.

The baghouse was purged until 6:20 am and then the line was blown clean for over 1 hour. The air valves were then closed and U/G was advised that they could work on the line.

at 8:40 am Paul Nesbitt came to the mill and said Arsenic blew out of the line when it was disconnected. The 4" fill line was then disconnected outside the baghouse where an estimated air flow of 5 psi came out from U/G.

At 11:30 am the airflow had dropped off significantly. The return line was checked at 9 am and was found to be blowing into the Cottrell. The Cottrell fan sucked out approx. 0.2 psi.

REPLY

The arsenic fill line operates at 340 cfm under 8 psi pressure. The return line is $2\frac{1}{4}$ times larger in cross-sectional area than the 4" fill line. Assuming equal line loss with the 6" line we can estimate the return line will be under pressure by $8\text{ psi} / 2.25 - 0.2 = 3.5\text{ psi}$. We can assume the stage will act as a receiver and will pressurize to 3.5 psi before the 340 cfm going in matches the 340 cfm coming out of the 6" return. To relieve the 3.5 psi in the arsenic stage please refer to D. Dickson's memo attached.

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← SPEEDIMEMO →

MOORE SPEEDILY - 1 - MOORE CLEAN PRINT PATENTED 1963-1966

REPLY
FROM

DATE

TO REPLY:
WRITE REPLY IN BOTTOM AREA
RETAIN ORIGINAL & RETURN THIS COPY.