

ToH.E.P., R.J.T.....

Date July 30, 1976.....

FromC.O.O.....

Ref.

Subject..... Arsenic Suppression.....

Abstract:- the use of different arsenic suppression methods for
Giant Mines waste streams.

Procedure:- samples from #11 thickener were treated with a combined
solution of KOH + KCL and some other samples we treated
with a solution of KOH + KNO₃. All samples were a
volume size of 150 ml.

DATA: A/ p.p.m. As.

Thickener #11	120
10 ml of KOH + KCL sol,n	50
15 ml of KOH + KCL sol,n	47
25 ml of KOH + KCL sol,n	62

B/

Thickener #11	120
10 ml of KOH + KNO ₃	42
15 ml of KOH + KNO ₃	40
25 ml of KOH + KNO ₃	46

Reagents:

KOH + KCL sol,n- 20g KOH +200 ml H₂O + 2 ml KCL(sat)

KOH + KNO₃ sol,n- 20g KOH + 200 ml H₂O + 2g KNO₃

Conclusions:- further tests will be carried out on the use of
these reagents as arsenic suppressants. Even though
they showed a 50-60% arsenic removal.