

MEMORANDUM

To H.E. Pawson

Date April 24, 1972

From M.E. Lane

Ref.

Subject Use of Ferrous Sulphate in Waste Treatment

Tests were carried out on the treated waste solutions discharged from #8 Agitator to see if it is necessary to add the Ferrous Sulphate in the form of a solution.

#8 Agitator discharge: 10.2 ppm. As.

#8 Agitator Discharge + 1 lb./ton FeSO_4 as 1% solution: 1.7 ppm. As.

#8 Agitator Discharge + 1 lb./ton FeSO_4 as solid: 1.4 ppm. As.

If anything, it is better to add the Ferrous Sulphate in solid form.

M.E. Lane
Mill Engineer

MEL/mw

memo - may 10th shows advantage effect
of increased FeSO_4 addition - #8 by lis.

	As solid	As red
0	17.2	0
.5 lb/t	9.5	45%
1.0 lb/t	5.5	68%
1.5 "	2.4	86%
2.0 "	1.7	90%

It was feared that Fe content of water
would be increasing as As decreased !!!