

To R.J. McLeod; A.D. Coggan

Date December 15, 1967

From P. Slattery

Ref. PS/mw

Subject Arsenic Suppression - November Survey

	BEFORE TREATMENT		AFTER TREATMENT			AV. DAILY lb As in Sol.
	ppm As	lb As	ppm As	lb As	lb Lime	
Calcine Arsenic Wash Thickener Water (#7 O'flow)			34.46	67	1380	67
Dust Treatment Residue						
- No soda ash added	839	34.8	71.8	3.48	785	3
- With soda ash added	764	33.9	620	32.2	525	32
TOTAL MONTH	818	34.6			715	11
Sundry Sources						9
Mill Waste			13.95			87

After raising the pH with lime, the addition of Soda Ash affects the arsenic assay detrimentally. A graph on a series of lab tests is attached to show the extent of the effect.

P. Slattery

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Jr. Mill Engineer

The effect of addition of Soda Ash after raising the pH of DTR Pulp with lime.

200 lb CaO raised pH to 12.4
Further Soda Ash additions
did not affect the pH.

