

To D.I. Emery

Date Sept 22/75

From H.E. Dawson

Ref. \_\_\_\_\_

Subject Stack Tests 1975 Season

Stack testing commenced on May 2nd this year and was handled by R.J. Tucker and C.O. Olesen.

During the testing period May to Sept, Cottrell Units 1 and 2 were still in operation (both started Oct 26/73) but nearing the end of their normal service life as based on past experience. In the baghouse, compartment 3 had been shut down since March, 1975 while compartments 6 and 7 had been refitted with new bags and put back on line April 25th and May 31st respectively. Compartment 3 is still shut down as of this writing.

Seven tests were successfully run and results as listed in the table indicate an average total system efficiency of 97.66% with daily arsenic loss averaging 479.13 lbs/day. If the best four results are used, indicated with asterisk, the average efficiency is 98.28% with losses of 352.62 lbs daily.

<u>STACK TESTS</u>					
<u>DATE</u>	<u>STACK VOLUME</u>	<u>As (gr)</u>	<u>lbs/DAY</u>	<u>baghouse eff. (%)</u>	<u>TOTAL EFF (%)</u>
Sept 18/75	34932	.3764	436.49	97.96	98.07*
Aug 29/75	34723	.5069	604.95	96.94	97.06
Aug 6/75	36242	.5650	664.03	96.27	96.52
June 24/75	38525	.5902	673.70	96.81	96.93
June 19/75	36376	.3715	426.70	97.88	97.93*
May 26/75	36736	.2335	273.01	98.31	98.39*
May 2/75	39125	.2372	273.06	98.66	98.71*
			479.13		97.66
					98.28