

Cathull Dust Treatment Plant - Estimated Capital Cost

1.	Installed Equipment	\$ 548,000.
2.	Process Piping and Installation at 30 %	164,400.
3.	Instrumentation and Control at 12 %	65,760.
4.	Electrical Installation at 20 %	109,600.
5.	Process Building at 40 %	219,200.
6.	Plant Services at 10 %	54,800.
7.	Site Improvement at 10 %	<u>54,800.</u>

Direct Costs

1,216,560.

Engineering and Supervision at 30 %

364,968.

Construction Expenses at 10 %

121,656.

Direct + Indirect Costs

1,703,184.

Contractor's fee at 10 %

170,318.

Contingency fee at 15 %

255,478.

Total Estimated cost \$ 2,128,980.

2.2 x 10⁶

Cathell Dust Treatment Plant - Estimated Operating Costs

1.	Manpower (No additional operators required)	20,000.
2.	Electric power - process	30,000.
3.	Process Heat (\$.7 / Gal of No. 2 oil)	35,300.
4.	Cooling water	-
5.	Maintenance Material (4% of equipment cost)	21,920.

Subtotal \$ 107,220.

Contingency 10 % 10,722.

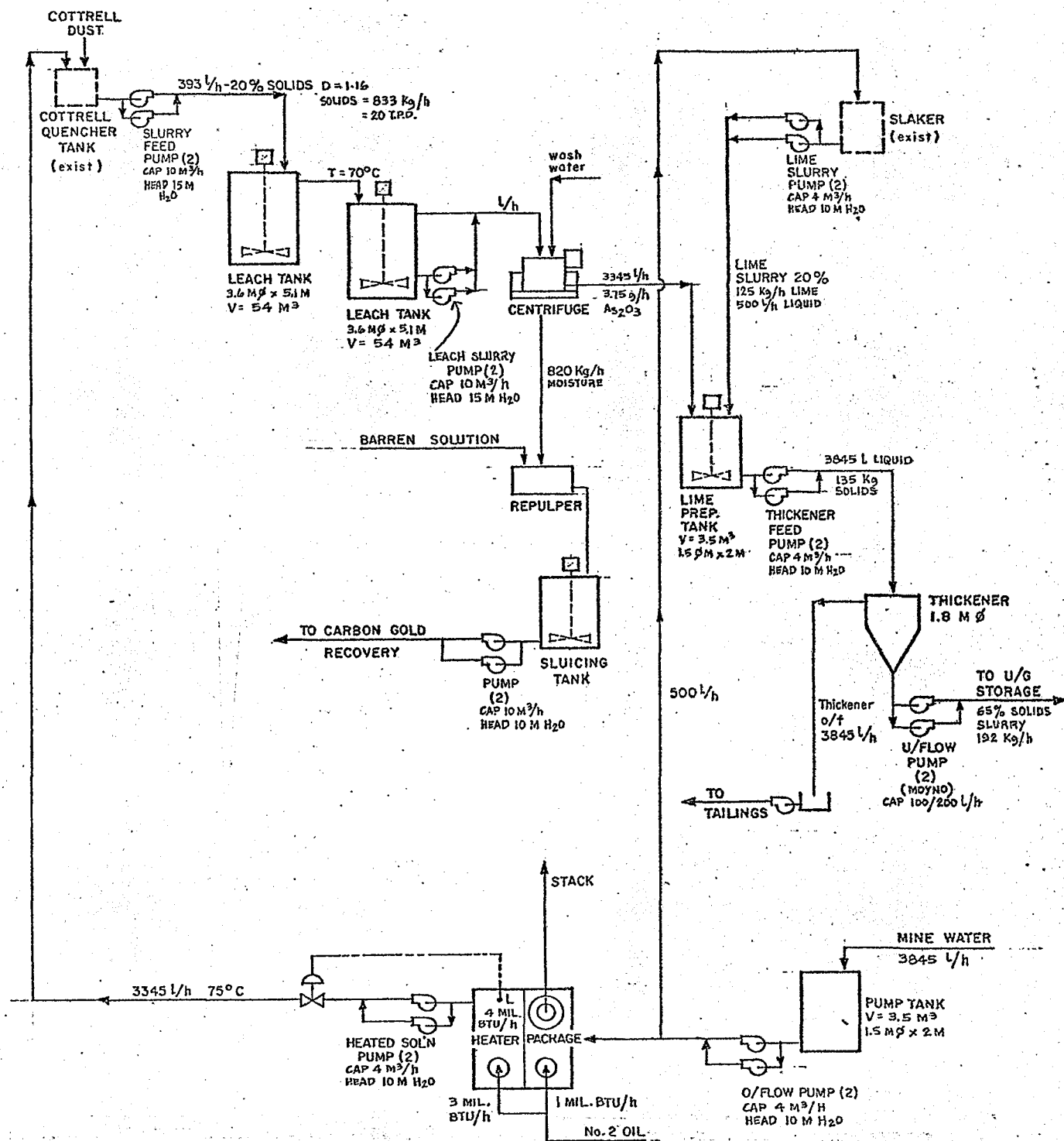
Direct operating cost. \$ 117,942.

Property Tax Allowance (1.2 % of Total Plant Cost) 25,547.

Insurance (.3 % of Total plant cost) 6,387.

Total Estimated operating cost \$ 149,876.

Estimated Cost per Ton of ore Treated = \$ 0.36 / ton.



GIANT YELLOWKNIFE MINES LTD.
YELLOWKNIFE, N.W.T.

ARSENIC TRIOXIDE UPGRADING PLANT
COTTRELL DUST AS REMOVAL
MECHANICAL FLOWSHEET

SUBJECT

Scale N.S. Drawn by m. s.l.

Date 19 FEB. '8 Ck'd by

Approved

COTTRELL DUST TREATMENT PLANT SIMPLIFIED FLOWSHEET

