



INTER-OFFICE CORRESPONDENCE

September 12, 1977

To: C. A. Burns
G. Arendt ✓

From: A. M. Ziehler

Subject: Combustion Products for No. 3 Incinerator

Listed below are the combustion products for No. 3 Incinerator with the most probable combination of incinerator feed, Case A. The feed streams are 11A, 12A, 13A, 14A, w. HCl, 15A, 16A and 18M. The composition and flow rate of these streams are given in Dravo's requisition for the L.C. incinerator. A copy of this requisition should be in Gerry's file. The combustion product data is for water quench in the incinerator and a fixed 25 T/D of HCl in stream 14A.

Case B is the combustion products for the incinerator operation with a recycle temperature quench. The recycle quench mode of operation would occur in the future if Phase II HCl recovery is approved.

<u>lb/hr</u>	<u>Case A</u>	<u>Case B</u>
O ₂	2,251	1,213
N ₂	25,842	25,794
CO ₂	11,387	11,387
H ₂ O	7,953 ✓	2,234
HCl	8,200	8,079
Cl ₂	39	157
FeCl ₃	34	34
Total	54,705	48,898

A. M. Ziehler
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AMZ/lis

cc: L. C. Joiner
D. E. Savoy
File