PROGRESS REPORT
TECHNICAL SERVICES DEPT. - W. G. KRUMMRICH PLANT

JOB NO.	REPORT NO.	DATE
91370:3976	(3)	2 ,26 , 71

W.G. KRUMMRICH PLANT			GENERAL OFFICE	OTHERS
G.L. Bratsch	*☒	*☒	•☒ M.P. Lux	Anniston
*☒ D.W. Jackson	*☒	*☒	•☒ D. Danna (4)	•☒ J.C. Landwehr
☒ P.E. Heisler	*☒	*☒	•☒ D.B. Hosmer/ F.J. Holzapfel	Nitro
•☒ T. W. Dalton	*☒	*☒		•☒ H.L. Williams
•☒ G. K. Dimkoff	*☒	*☒	•☒ R.E. Howard	S. 2nd St.
*☒ C. J. Koenig	*☒	*☒	☒ E. M. Potter	*☒ P.O. DeGarmo
☒ R. R. Sorrell	*☒	*☒	•☒ H. C. Carder	*☒ T.M. Patrick
*☒ R.M. McCutchan	*☒	*☒	•☒	*☒ J.F. Quinn
•☒ E. B. Maurer	*☒	*☒	•☒	*☒ R.L. Wiese
•☒	*☒	*☒	*☒	*☒

• TO RECEIVE DETAIL SECTION (No detail section)

TITLE: MURIATIC ACID - EFFICIENCY OF HCl ABSORBERS (DEPT. 218)

PERSONNEL: B. J. Hoffman (W. M. Dowden, D. C. Armstrong)

PROBLEM: Efficiency checks on falling-film absorber - 1/18/71.

SUMMARY

An efficiency check was performed on the muriatic acid falling film absorbers to guarantee optimum recovery of Dept. 233 (chlorobenzene) and 246 (aroclor) by-product HCl. The HCl absorber system was 97 to 98% efficient for an HCl off-gas flow rate of 6000 lbs/hr (HCl + inerts). This efficiency compares favorably with past performance and also with the manufacturer's predicted minimum recovery of 96%. The manufacturer's rated maximum capacity is 9000 lbs/hr of 100% HCl gas. For detailed method of analysis and calculations, refer to TSD Progress Report No. 91370:3976(1) dated 9/17/68.

Muriatic acid production is presently limited by HCl availability. The cut-backs in the HCl generating departments and the efforts to make more HCl available for chlorosulfonic acid production, has limited muriatic acid production to 2.0 $\overline{M}$ lbs. HCl in February compared to 3.4 $\overline{M}$ lbs. in January.

Bradley J Hoffman
B. J. Hoffman
Technical Services Dept.

/br

DSW 299019

COMPANY CONFIDENTIAL INFORMATION
This document is the property of Monsanto Company and the recipient is responsible for its safekeeping and disposition. It contains confidential information of Monsanto Company which must not be reproduced, revealed to unauthorized persons or sent outside the company without proper authorization. Either retain in secure files or destroy.