PROGRESS REPORT

TECHNICAL SERVICES DEPT. – W. G. KRUMMRICH PLANT

JOB NO.	REPORT NO.	DATE
91370:3690	1 (Final)	7, 17, 6

W.G. KRUMMRICH PLANT		C. O.	GENERAL OFFICE	OTHERS
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* TO RECEIVE DETAIL SECTION

TITLE: INCREASE AROCLOR CAPACITY

PERSONNEL: R. M. McCutchan (T. E. Greenman)

PROBLEM: The Aroclor capacity is inadequate to meet 1968 sales forecast.

SUMMARY

By mid-1967 it became apparent that the Aroclor department capacity had to be increased by at least 10% in order to meet the 1968 sales forecast of 32.75 $\frac{M}{}$ lbs/yr. The rated and actual capacity was 29.5 M lbs/yr.

The following capacity improvements have been completed:

	Item	Date	Cost	OSR & Capacity Increase
1.	Furnace improvement	~~9/67~~	Minor Work	2.0%
2.	Six-inch Cl_2 line	2/23/68	$32,480	2.5%
3.	Still Preheater & Alterations	4/18/68	$9300(est)	7.0%
	Total		$41,780	11.5%

When the chlorination step is run at 195°C for quality reasons instead of the normal 150°C, the off-gas vapor losses increase with a resulting 2.5% decrease in OSR and capacity. May 1968 was run at 195°C and yet production was 3,166,383 lbs, breaking the old record by 9.6%.

The 1968 sales forecast will be met (15, 796, 967 lbs. thru June). The expanded Aroclor facilities are scheduled to start up on 10/14/68. The above capacity improvements result in estimated savings of $52,000 and new earnings of $158,000 before taxes.

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Future Work:	EDC
1. Check preheater operation after alteration.	8/15/68
2. Monitor preheater operations for possible plugging.	10/15/68
3. Close job.	8/15/68

Acknowledgements

The capacity improvements summarized in this report are the efforts of the Production department itself, the TSD Mechanical Design Group and the TSD Process Group. Particular thanks goes to H. F. Ray and V. Brawley.

R M McCutchan

R. M. McCutchan
Technical Services Department

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