Operation Report
Dept. 246 - Aroclor
April - 1965

PRODUCTION SUMMARY (Current Month)

Scheduled -	2,400,000#
Actual -	2,401,177#
% of Schedule -	100%

PRODUCTION SUMMARY (Year to Date)

Aroclor	Current Month	Year to Date
1242	420,663#	3,249,535#
1248	540,741#	2,477,169#
1254	983,218#	2,511,170#
1260	456,555#	1,666,721#
1262	0	35,820#
Total -	2,401,177#	9,940,415#

Average Monthly Production - 2,485,100#

Availabilities
Repair - 93.19% Process - 99.17% Other - 90.56%
Total - 82.92%

The outages for this month are summarized below.

Repair

39 Hrs. (5.42%)		Changed No. 2 still pump twice.
10 Hrs. (1.39%)	(5 Hrs.)	Changed No. 2 sill furnace coil.
	(3 Hrs.)	Rate was reduced on one chlorinator because proper rupture disc was not available.
	(2 Hrs.)	Changed outlet valve on No. 2 still.

Other

34 Hrs. (4.72%)	Insufficient supply of chlorine.
32 Hrs. (4.44%)	Changing products.

Process

6 Hrs. (0.83%)	(2 Hrs.)	Operating error at chlorinators
	(2 Hrs.)	Plugged line reduced chlorine supply to one chlorinator.
	(2 Hrs.)	Blew rupture disc when a valve in the off-gas line was inadvertently closed.

Yields	Standard	Actual	YTD
% Theory on Biphenyl -	95.50%	98.25%	98.66%

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Quality

Two lots of electrical grade 1242 aroclor were produced this month with thermal-chemical stabilities of 0.40 ppm and 0.62 ppm. The practice continued of using the distillate at the end of each 1242 run for non-electrical grade material.

The Process Research Group and Technical Services are continuing to study the effect of process variables on aroclor quality. Plans are now being made to investigate variables at the chlorination step using PR&D's GLC technique to measure quality quickly and easily.

Operations

The back pressure on the HCl off-gas line continued to be higher than for the first two months of this year. This is apparently causing no problems since 92.75% of our HCl gas was recovered. The high back pressure could be a result of changes in the automatic distributing system near the HCl using departments.

No progress was made in putting into service the nuclear density gauge on No. 4 chlorinator. TSD has been asked to demonstrate this device since there is a wide discrepancy between the instrument and hydrometer readings.

Stock Position

	Aroclor	
	1st of Mo.	Last of Mo.
Whse. Stock -	1,566,205#	1,594,780#
Dept. Stock -	607,307#	860,081#
	2,173,512#	2,454,861#

D. E. Harris

ghw

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