Operation Report
Dept. 246 - Aroclor
May - 1965

PRODUCTION (Current Month)

Scheduled - 2,480,000#
Actual - 2,465,335#
% of Schedule - 99.5%

PRODUCTION SUMMARY (Year to Date)

Aroclor	Current Month	Year to Date
1242	898,430#	4,147,965#
1248	555,465	3,032,634
1254	387,103	2,898,273
1260	605,377	2,272,098
1262	18,960	54,780
	2,465,335#	12,405,750#

Average Monthly Production - 2,481,150#

Availabilities

Repair- 99.60% Process - 93.14% Other - 91.26% Total - 84.00%

Causes for Major Outages

Repair
3 Hrs. (.40%) Repairs to No. 2 still pump

Process
17 Hrs. (2.28%) Plugged furnace coil on No. 2 still.

9 Hrs. (1.21%) Plugged off-gas line on No. 4 chlorinator.

8 Hrs. (1.08%) Cleaning No. 1 still condenser.

8 Hrs. (1.08%) Water side of condenser plugged on No. 2 still condenser.

9 Hrs. (1.21%) (5 Hrs.) Operating error prolonged cycle on three chlorinator cycles.

(3 Hrs.) Cleaning out bottom of No. 4 chlorinator.

(1 Hr.) Draining scrubbers on No. 1 still vacuum system.

Total Process Outages - 51 Hrs. (6.85%)

Other

39 Hrs. (5.24%) Insufficient supply of chlorine

26 Hrs. (3.49%) Changing products.

Total Other Outages - 65 Hrs. (8.74%)

DSW 296453

STLCOPCB4066397

YIELDS

	Standard	Actual	YTD
% Theory on Biphenyl -	95.50%	99.02%	98.73%

Quality

The thermal-chemical stabilities on 1242 Aroclor were higher than usual this month. Two lots were produced with 7 C stabilities of 0.56 ppm and 0.68 ppm. The material with the .68 ppm stability was stored in an underground storage tank.

The overall improvement in 1242 stability in 1965 have resulted from the new all aluminum storage tanks and using the distillate at the end of each 1242 run for non-electrical grade material.

The Process Research Group and Technical Services ran a designed experiment on variables at the chlorination step using the GLC method to measure the quality of Aroclor in the finished chlorinator batches. Excellent quality material was produced in Nos. 2 and 3 chlorinators. Investigation is continuing to determine what factor causes the different quality material in the different chlorinators.

We have been informed by Sales that power factor is becoming increasingly important especially in the foreign market. Foreign competition and MCL produce material with a power factor 10% of the power factor of WGK material. Since the power factor is reduced easily by earth treatment, this part of our process will be emphasized to insure that the power factor of our material is the lowest possible with existing equipment.

Operations

The HCl off-gas line back pressure continued to be higher than normal this month. The back pressure was not high enough to significantly affect operations. The off-gas line will be cleaned when inventories are high enough to prevent missing shipments.

The experimental horizontal pump on No. 2 still will be tested next month after the inlet piping has been modified.

The nuclear density gauge on No. 4 chlorinator was not demonstrated by TSD due to higher priority work.

Stock Position

	Aroclor	
	1st of Mo.	Last of Mo.
Whse. Stock -	1,594,780#	1,458,395#
Dept. Stock -	860,081#	1,031,311#
	2,454,861#	2,489,706#

D. E. Harris

ghw

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