~~A. E. Leisy~~

RM McCutchon

good info!

THE WORD ON AROCLOR

DSW 308399

STLCOPCB4070072

THE WORD ON AROCLOR

April 1971

FOREWORD

This is the first issue of a series of newsletters to be published in 1971. The purpose of this issue is to keep you informed of our accomplishments and changes that may occur in coming weeks and months. We sincerely invite your comments and questions on anything in this publication and/or on anything else which concerns the department.

PRODUCTION

From last September thru December, our production had shown a steady increase. Sales in December were very good, and we broke several records as the department ran at high rates with almost no downtime to meet the sales demand. 1970 was a good year for Aroclor, but the effects of our products on the ecology had people working "behind the scenes" to determine what changes would be necessary to make it possible to continue in the production of Aroclor. Sales were discontinued to customers that might allow the product to enter the environment; other orders were filled by approval of "higher powers." Sales were off drastically in January. February production was 50% of December's, and this is with Anniston down. March production was higher and, hopefully, the trend will now be upward.

Believe it or not, in December no 1260 PPO was made. This has got to be the only month this has happened since it was first produced several years ago.

Something could be said here about obsolete product, but it must be obvious to everyone by now that we don't know as much about them as we thought we did. How those rumors do fly! Ask Carrico how he isn't making Pydrauls anymore.

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PRODUCTION (Continued)

Remember our former operators that helped make Aroclor since 1/1/70: Roy Quayle, Richard Jerome, Paul Lutman, Don Athy, Dennis Hindman, Bob Antoff, Gerry Mueller, Duane Hergenroeder, Bob Trittler, Dennis Alberts, Henry Behnen (trained one week), John Origliosso, Dean Keller -- Paul Yount, Norm Merkel, Willard Schneider and Cliff Neely.

SAFETY

We had 12 minor injuries during 1970 and 1 serious. Our worst month was April (3) followed by March and August (2 each). The injury-free months were February, June, September, October and December. That was a good year and the same number of injuries as 1969.

Minor injuries for this year are: January (None), February (2), March (1). Look out for April! It was a bad month last year, and we tend to repeat ourselves.

QUALITY

We are still having our "ups and downs" on resistivity and thermal stability on 1242 and stabilities on 1260. The thermals (TCC) on 1242 now range from .20 to .40; they used to range between .10 to .20. The resistivity now averages 15,000 x 10^2 but ranges from 6,000 to 40,000 in the storage tanks. The possible problem areas are all being looked at -- (1) raw materials, (2) analysis procedures and (3) the process itself. The lab is doing a cross-checking experiment to make sure their methods are in order, so that we can know whether or not the TCC change is a real one.

CUSTOMERS

We have picked up new customers since last August -- Sprague Electric, Westinghouse Electric (Bloomington, Ind.), Cornell-Doubilier, Electronic Components and Aerovax. They all want 1242 of the purest quality possible. To try our product is to want more, at least that's what we tell them. We no longer supply National Cash with Aroclor. Due to the emphasis on ecology, they are supplied with a substitute product.

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CEA 2417
AROCLOR COLUMN PROJECT

Most of you were in Dept. 246 in 1968 when the department was expanded. Well, we are in the midst of it again, and that is good.

SAFETY — First things first -- safety.

There is lot going on in the department area, and it's going to be this way for about three more months. And the more people in the area and the more activity there is, the greater the chances for an accident. In spite of the very best efforts of our Maintenance Department, who is doing the project, there is going to be a hole where the barricade has been removed, a bolt that falls from an upper working level, a steam or condensate line that is temporarily uninsulated, or a pipe that is temporarily a head knocker. WATCH FOR THEM! In addition, there are some inconveniences that tempt you to take a short cut. DON'T TAKE THEM! Of course, we try to keep the nuisances to a minimum, but there are some. During this construction phase, we have to cooperate with Maintenance, and they with us. (Would you believe that there is going to be 87 tie-ins between old and new piping?) The demand for product continues during the construction, and we must continue to respond with quality pounds produced in a safe manner.

TIMING — Start-up is scheduled for July 15, 1971. The column came into the plant on 2/11 and was set on 3/11.

PRODUCTS — We will continue to make all of our present Aroclors and blends with the possible exception of Pydrauls A-200 and 280. The Pydrauls are reduced in volume and may be phased out. We will make two new products -- MCS-1016, which will be the fractionated version of 1242, and orthochlorobiphenyl (no trade name yet). Small amounts of Aroclor 1221 may be produced at WGK, or it may remain at Anniston.

The crude for orthochlorobiphenyl will be made continuously in #6 chlorinator and distilled in the column. This will be a new product, not a replacement product as MCS-1016 is. The column will probably be started up on orthochlorobiphenyl.

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CEA 2417 - AROCLOR COLUMN PROJECT (Continued)

EQUIPMENT The major new pieces of equipment will be:

Fractionating Column (30 Trays)
Condenser
Still Pot
Furnace
Residue Tank
Lime Slurry Tank
Absorber (#5)
Vent Condenser
Light Ends Receiver
Intermediate Tank (a second one)
Oil Tank
3 Storage Tanks (Finished Goods)

POLLUTION CONTROL All of the new manufacturing area will be paved, with sewers leading to a new settling basin to be located west of spot #3 on track 10A. The present storage tank area will be paved on a separate plant project, with run-off also going to this new basin. This basin, however, is our "second line of defense." The "first line of defense" is your efforts in keeping Aroclor out of our department sewers in the first place. A good job was done this past year. Let's continue.

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OTHER PROJECTS

SCRAP REWORK

A new tank will be located next to the new settling basin mentioned above. This tank will be for storing scrap Aroclor which can be redistilled into a usable product. It is anticipated that the reclaimed Aroclor will be put into #1 mix tank after it is no longer used for making Pydrauls.

INERTEEN 70/30 STORAGE TANK

Yet another tank will be located west of the lean-to. This will be for storing in-specification Inerteen 70/30. This way, orders for 70/30 can be filled with little or no advance notice. More and more customers are demanding this kind of service.

INCINERATOR

The Aroclor incinerator project is almost complete and is scheduled for start-up on 5/10/71. It is located in the old Phenol fusion area. The incinerator will burn scrap Aroclor that can't be reclaimed profitably in Dept. 246. It will also burn our Montar, which is welcome news. This means the still bottoms will not have to be drummed off anymore. They will be pumped directly to a trailer which will be half-full of scrap Aroclor and hauled to the incinerator.

Tony Rasmussen is the Manufacturing Representative and the Dept. 246 supervisor will be the supervisor of the incineration unit after it is started up. Bob Maclin is the foreman.

Bob McCutchan
Tom Carrico
Virgil Brawley

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