

PHILIP MORRIS U. S. A.

INTER-OFFICE CORRESPONDENCE

Richmond, Virginia

To: Mr. D. B. Knudson

Date: October 1, 1971

From: Mr. E. J. Warner

Subject: September Status Report - Development Engineering

Attached are the Division's status reports for September. Some of the highlights for this period are as follows:

1. All engineering and design work on the ART water column is now complete including the distributor plate and the demister. Drawings have been transmitted to Industrial Alloy for fabrication. The distributor plates ordered from Harrington and King are scheduled for delivery this week.
2. A preliminary risk/benefit analysis has been completed on the three most promising alternatives for disposing of the nicotine-laden effluent from the ART water column. The next step, which is awaiting management approval, is to initiate pilot studies of these approaches.
3. Highest priority has been requested for the completion of the design and the fabrication of the Project Sauna machine. Design overtime has been authorized and the first batch of completed drawings has been released to our Machine Shop. We will make every effort to have the machine ready for testing by the end of November.
4. The new 100mm pack opening machine has been completed and debugging is in progress. This is the first 100mm machine, and more adjustments and small changes have been necessary than were anticipated. The machine will be delivered to Semiworks next week.
5. The redesigned menthol encapsulation system has been fabricated and assembled and the initial check-out trials are in progress.
6. The PACT room in the new Benedum configuration is now being tested. All components and the instrumentation seem to be functioning well, including the new ESP units and the large volume activated charcoal adsorption units. The only major problem has been an unexplained, excessive level of room air leakage.
7. All of the modifications have been made to the redesigned "prototype" 5-port smoker for gas phase analysis. The computer control system is now being debugged, and the unit should be delivered to CI by the end of this week.

[Signature]

cc: Alonso, Crase, Fischer, Hayward, Higgins, Koch, Rowe

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