

To: T. C. Douglas  
From: F. G. Lopata *J. Lyate*

May 27, 1992

SUBJECT: MAY PROGRESS REPORT

R&D LABORATORY:

Purchase orders have been issued for the Drop Hammer Apparatus, the Friction Tester, and the Electrostatic Discharge (ESD) Tester. CETR will build the ESD apparatus under contract. Purchasing will have to do the final location and negotiations on the other two test devices due to sourcing difficulties. Some of the software for the Infrared Spectrophotometer and spectral reference books have arrived. The Carver Laboratory press has been delivered. Talked to two vendors and attended demonstration of video monitoring system for this lab area.

Attended the Instrument Society of America Tabletop Show held in Little Rock May 21. This offered examination of many of the smaller lab instruments and their suppliers.

LEAD-FREE PRIMING MIX - CETR

Phase I literature search and written report are still expected soon. Phase II work will be formalized after we review the report of Phase I.

PLANT SUPPORT

Participated in the investigations of one explosives related incident. Time is still being given to the "B" house explosion team for the rebuilding process. Am participating in the revision of the explosives audit procedures. Reviewed Process Hazard Analysis of RF washer for D. Hicks. Reviewed Standard Procedure for Wet Mix PMP-300 for F. Whitmore.

Examined fired plastic sabots for failure analysis with J. Kostrubanic. (R&D Project support)

Tetracene and lead dioxide were shipped to CETR on May 14. We expect results from them on this project by the end of July. (This study relates to a priming mix for the steel shot loads for the Remington farms--Lee Sroka's project).