

REMINGTON ARMS COMPANY, INC.  
LONOKE, ARKANSAS 72086

To: T. C. Douglas  
From: F. G. Lopata *4 JGR*

June 25, 1992

SUBJECT: JUNE PROGRESS REPORT

R&D LABORATORY:

A list of 34 Safe Operating Procedures has been developed and writing has begun on them. These procedures must have the approval of the Explosives Committee before any explosives work can be done. The list is attached for informational purposes. It will no doubt be expanded as the lab becomes operational.

Employee Relations has received applications for the technician<sup>708</sup> and is reviewing the qualifications of the employee applicants. An ad has been placed for outside applicants as well. Candidates for interview should be presented by mid-July.

LEAD-FREE PRIMING MIX - CETR

Phase I literature search and written report are expected by July 15. Phase II work will be formalized after we review the report of Phase I.

PLANT SUPPORT

Participation is continuing in the revision of the explosives audit procedures as a member of the primer area team. We have determined what is to be audited, a time schedule, and defined 23 new "zones" that will each only take two hours to audit. This will save four to ten hours over the current audit schedule time total. Two of the zones have been detailed so far. The balance should be finished by the end of third quarter.

An experimental tetrazene procedure was reviewed for F. Whitmore.

Reviewed magazine limits and storage limits in high-explosives manufacturing area for O. Laster.

(R&D Project support)

The CETR study of tetracene-lead peroxide is still on schedule with results expected by the end of July.

SAFE OPERATING PROCEDURES

EXPLOSIVES RESEARCH AND DEVELOPMENT LABORATORY

General Area Instructions  
Safety Testing Requirements for New Energetic Materials  
Small-scale Mix Procedure  
One-pound Mix Procedure  
Environmental Storage Procedure  
Magazine Storage and Reporting Procedure  
Operation of the Thermogravimetric Analyzer  
Operation of the Differential Scanning Calorimeter  
Operation of the Parr Bomb Calorimeter  
Operation of the Particle Size Analyzer  
Operation of the Infrared Spectrophotometer  
Operation of the UV-VIS-NIR Spectrophotometer  
Operation of the Microscopes  
Chemical Inventory  
Waste/scrap Inventory  
Glassware Cleaning Procedure  
Small-scale Charging and Primer Manufacture  
Drying of Explosives Samples  
Operation of Monitors and Recorders  
Operation of Balances  
Operation of Drop Weight Tester for Solid Explosives  
Operation of Friction Tester  
Operation of Electrostatic Discharge Tester  
Operation of Drop Tester for Primers  
Drying of Primers  
Chemical Handling and Storage  
Record Keeping-Data Logging  
Black Powder Test Procedure  
Propagation Test Procedure  
Pellet Weight Determination Procedure  
Dry Pellet Weight Procedure  
Operation of the Carver Press  
Operation of the Primer Bomb  
Operations in the Waste Treatment Laboratory