

REMINGTON ARMS COMPANY, INC.  
LONOKE, ARKANSAS 72086

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

May 22, 1993

SUBJECT: MAY PROGRESS REPORT

R&D LABORATORY:

The charging table has been delivered to the lab. It now needs a pre-start-up safety review and installation. The impact tester base is ready for final painting and mounting of the noise cage and it will be ready for operation.

A Type II indoor magazine was delivered. We are waiting ATF inspection and approval for it. We can then store up to fifty pounds total of explosive materials in Bldg 612. L. Sroka is working on modifications to the building, so that it can be approved by the ATF as a "magazine."

LEAD-FREE PRIMERS:

We are continuing to develop analysis methods and improve our techniques on our instruments. A packet of information pertinent to lead-free primers was found by marketing and forwarded to us. It describes some early Remington work for the government with leadfree primers. Purchasing was reminded to get our Dinol in, ~~not that we can store it.~~ Some of the leadfree CCI primers have been thermally analyzed and infrared spectra taken. Fiocchi leadfree sample primers are expected any day, also.

PLANT SUPPORT:

Participation is continuing as a member of the Explosives Committee primer area team and in the Process Safety Management team.

CURRENT PRIMER

Eleven different samples of 209 primers have been thermally analyzed and infrared spectra taken. Some of these were older types, useful for our information in the lab and some were of competitors product. The data has been compiled for distribution to the plant team. Prints were made of different items which were better illustrated than written.

Five misfires from 38 Special testing were examined and results returned to F. Whitmore.

A few samples each of competitors small pistol component primers have been gathered for R&D lab analysis.

In support of the plant, we have done 104 dispersive infra red scans, and 115 differential scanning calorimeter thermal analysis runs. We have also done about 50 CCTV prints/photographs.