

REMINGTON ARMS COMPANY, INC.  
LONOKE, ARKANSAS

MARCH 30, 1993

TO: T. C. DOUGLAS  
FROM: V. F. SCARLATA *MS*  
SUBJECT: PROGRESS REPORT, MARCH, 1993

12 GA. .735 Pb. 3" MAG SLUG

These slugs are presently running on 500 loader. They are being loaded using a .535 pkl. wad. While the accuracy is excellent, there are still some minor feed problems. A new set of wad feed pipes are being made.

12 GA. PREMIER SLUG

The first production run of this project should start next week. A run of  $\approx$  100,000 rounds is scheduled.

A new plastic filler wad made of Noryl will be available for this run. Testing indicates that this wad should act like a machined filler wad from an accuracy standpoint.

Monitoring of the four-cavity production mold has shown no change in the Sabots dimensionally or in their accuracy potential.

Purchase specifications for the slugs and Sabots are being written. Procedures for incoming raw material inspection have been written, and gages to perform these inspections have been designed and fabricated.

Two vendors are presently producing the copper slugs for this product. With the exception of a few visual defects, the slugs appear to meet the print. The slug dimensions have been revised slightly to prevent any interference between the slug and Sabot.

12 GA. 3" PREMIER SLUG

Hand-loading results indicate that the development of this product will be more difficult than originally thought. There are presently problems with only three things: velocity, pressure, and accuracy. The 3" product presently available from WW and Federal has been tested.

Federal and WW both advertised velocity of 1550 fps. The Federal product has a velocity of  $\approx$  1400 fps, and the WW product is loaded to a full 1550 fps. Each load produces accuracy in the 3" range.

At present, we are not able to produce a load that will give 1550 fps and accuracy of 3".