REMINGTON ARMS COMPANY INC.
LONOKE, ARKANSAS

November 23, 1992

TO: T. C. DOUGLAS

FROM: L. R. SROKA

SUBJECT: MONTHLY REPORT

* EXPLOSIVES RESEARCH LAB

A few minor follow-up items remain to be done before the construction phase of the facility can be considered complete. Work is progressing on the installation of test equipment and mixing bowl modifications.

The eighth contractor's request for a partial payment of $22,631 was approved on 11/5/92 based on a work completion of 100% as of 10/12/92. Additionally, the ninth contractor's request for a final payment of $28,327 was received on 11/5/92. This ninth request was for the total retainage held from previous payments pending completion of the contract. A partial payment of $25,327 was approved on 11/5/92 with $3,000 kept as retainage pending the completion of several follow-up items. To date, $563,555 has been approved for payment to the contractor based on total work completed.

* STL 12 EXPRESS - 1 oz. #2, 4, & 6 SHOT

The original quoted delivery date of 11/13 from Ball/Unimark for the 5,000 piece sample of this shot container has slipped due to a mold tool design problem created by the tapered end of this wad. New mold tooling had to be designed which moved the parting line and still allowed the use of the R&D four cavity experimental mold frame. As of 11/23, Ball/Unimark is "completing the tool design" for this shot container.

* STL 20 EXPRESS - 3/4 oz. #2, 4 & 6 SHOT

The original expected delivery date of 11/30 for the 5,000 piece sample of this shot container from Ball/Unimark will slip 2 to 3 weeks because the 4 cavity experimental mold will not be available to fit the tools and run the sample until mid December. The mold is presently being fitted to run shot containers for the 12 ga. 3 1/2" load.

* STL .410 EXPRESS

The shot container design for a .410 steel load is almost complete and a sketch should be sent to drafting within the week. Experimental mold tooling and an experimental sample quantity will be placed on order as soon the shot container drawing is complete.

* STL 20 TARGET - 7/8 oz. #8 SHOT

The shot container design for this load will be completed as soon as testing of the STL 20 Express 3/4 oz. shot container is complete.

* STL 12 TARGET

All original work on this load was done using a three piece body. The unibody version will use a modified version of the STL 12 Express shot container. The shot container design for this load will be completed as soon as testing of the STL 12 Express 1 oz. shot container is complete.

* PRIMER TEST BOMB

Modifications to the primer test bomb have been made which will allow the primer ignition delay to be measured in addition to primer gas pressure as a function of time. Five each of Federal, Winchester, CCI, Remington 1 1/2 (from early 70's with 5061 mix), Remington #138, and Fiocchi Leadless small pistol primers were compared in preliminary system testing. Ignition delay ranges of 137-176 (Fed), 178-219 (Win), 193-244 (CCI), 152-171 (Rem 1 1/2), 210-268 (Rem 138), and 128-183 (Fiocchi) were measured. Delay times are in microseconds and start the instant the firing pin touches the primer cup. The above examples are for illustrative purposes only. Much structured testing remains to be done before any meaningful information can be extracted from the raw primer bomb data.

* PLANT SUPPORT

EXPLOSIVES COMMITTEE: Working on explosives audit system revision along with regular duties of explosives area inspections and incident investigations.

PROCESS SAFETY MANAGEMENT COMMITTEE: This committee was formed approximately two months ago to develop a plan for applying OSHA'S Process Safety Management Standard to appropriate processes in the plant. Processes were identified in previous meetings and work for the committee this month was centered on completing a compliance audit checklist.