

REMINGTON ARMS COMPANY, INC.
ILION, NEW YORK

CONFIDENTIAL

May 11, 1993

TO: <u>PITTSBURGH</u>	<u>ILION</u>	<u>WILMINGTON</u>
B. R. BROWN	J. F. WINSKE	A. W. WHEATON
R. F. RIESMEYER	E. S. RENS	V. M. ROMANO
	J. M. FLOYD	J. M. BUNTING
<u>LONOKE</u>	R. J. ORF	J. R. BALIO
P. E. OTTO	R. A. JACKSON	J. M. DWYER
R. S. TOULSON	D. P. CHRISTIE	J. H. CHISNALL
J. R. PRUITT	K. D. GREEN	W. H. FORSON
C. P. BIRCH		
T. C. DOUGLAS		

FROM: K. W. SOUCY

APRIL PROGRESS REPORT
RESEARCH & DEVELOPMENT
FIREARMS/AMMUNITION

REPORTS OF INDIVIDUAL ENGINEERS ARE ATTACHED. DISTRIBUTE TO YOUR ORGANIZATIONS AS YOU DEEM APPROPRIATE. WHILE DISTRIBUTING AND DISPOSING OF THIS REPORT, RECIPIENTS ARE REMINDED OF THE PROPRIETARY NATURE OF THE CONTENTS.

FIREARMS HIGHLIGHTS

THE *PEERLESS* O/U PRELIMINARY TRIAL AND PILOT TESTING CONTINUES WITHOUT MAJOR INCIDENT.

A *M/700 DETACHABLE MAGAZINE BOX* (DBM) DESIGN ACCEPTANCE TEST IS NOW PLANNED FOR LATE MAY. THE PRELIMINARY TRIAL AND PILOT RUN IS STILL SCHEDULED FOR JULY, ALBEIT WITH NON-PRODUCTION BOX STAMPING TOOLING. BOXES FROM PRODUCTION TOOLING WILL BE AVAILABLE 10/1/93.

DOUBLE PASS FORGING SUCCESSFULLY ELIMINATED MAJOR INTERNAL CRACKING ON *NBAF* RECEIVER/BARREL FORGING TESTS. MINOR CRACKING IS STILL PRESENT. LUG GEOMETRY IS BEING REVISED TO FURTHER REDUCE CORNER STRESSES.

AMMO HIGHLIGHTS

10M ROUNDS OF *.410 ROTARY CAM* PRODUCT WERE PRODUCED AND TESTED. FIRST FIRE PERFORMANCE WAS EXCELLENT. RELOADABILITY WAS ALSO GOOD WITH THE EXCEPTION OF BODIES STICKING ON THE REPRIMING PIN OF THE MEC 600 JR RELOADER (AS DOES CURRENT REMINGTON PRODUCT). WE WILL ATTEMPT TO CORRECT THIS WITHOUT SACRIFICING CURRENT PERFORMANCE LEVELS.

RELOADING TESTS OF THE *28GA ROTARY CAM* PRODUCT ARE UNDER WAY.

THE DESIGN OBJECTIVE FOR THE *12GA 3 INCH PREMIER COPPER SOLID* HAS BEEN CHANGED. INSTEAD OF USING THE 1oz SLUG FROM THE 2 3/4 PRODUCT AND DRIVING IT FASTER, WE WILL ATTEMPT TO DRIVE A HEAVIER SLUG AT THE SAME VELOCITY.

PROJECT ECONOMICS FOR MACHINED *SOLID COPPER EXTENDED RANGE BOATTAIL BULLETS* ARE UNACCEPTABLE. FURTHER QUOTES WILL BE OBTAINED AND OTHER MANUFACTURING METHODS ARE BEING INVESTIGATED.