

JUNE 2, 1992

TO: K.W.SOU CY  
FROM: D.R.LEWIS

MAY MONTHLY REPORTREMINGTON OVER/UNDER PROJECT

THE TRIAL AND PILOT OF THE MONO BLOCK HAS BEEN ON HOLD BECAUSE OF PROBLEMS WITH THE T-10 MACHINE. AFTER THE PROBLEMS ARE RESOLVED, THE FIRST PART OFF THE MACHINE WILL GO THROUGH A FULL INSPECTION TO MAKE SURE THE MONO BLOCK IS TO THE MODEL DRAWING. THE TRIAL AND PILOT IS EXPECTED TO START THE WEEK OF JUNE 8.

ALSO, THE FIRST FRAMES HAVE BEEN MANUFACTURED OFF THE FMS AND HAVE BEEN RUN THROUGH ALL THE OFF LINE MACHINING OPERATIONS USING THE PRODUCTION TOOLING. THESE FRAMES WILL BE USED FOR THE DESIGN ACCEPTANCE TEST GUNS AND MR. BROWN'S GUN. THE INSPECTION OF THE FRAMES HAS SHOWN THAT A FEW MINOR ADJUSTMENTS ARE STILL NEEDED TO BRING ALL CHARACTERISTICS INTO TOLERANCES.

APPROXIMATELY 80% OF THE PARTS FOR THE TRIAL AND PILOT HAVE BEEN COMPLETED. SOME OF THE MAJOR COMPONENTS THAT ARE STILL NEEDED ARE: THE BARREL ASSEMBLIES, FRAMES, FORE END IRONS, AND MOST OF THE MIM PARTS. THE BARREL ASSEMBLY COMPONENTS AND FRAMES ARE IN PROCESS CURRENTLY. THE FORE END IRONS AND MIM COMPONENTS ARE DUE BY THE END OF JUNE.

THE GREATEST RISK TO THE OVER/UNDER PROJECT IS THE DEVELOPMENT OF THE 4140 BARREL. THE CENTER SPACER WAS A BIG CONCERN, BUT THE NEW DESIGN IS MUCH MORE MANUFACTURABLE THAN THE PREVIOUS ONE.

CONSOLIDATION OF PRODUCT / TOOL DESIGN

THE FIRST PHASE IS COMPLETE WITH THE CREATION OF THE NEW CADD ROOM FOR THE ENGINEERS AND PROGRAMMERS.

THE SECOND PHASE OF THE CONSOLIDATION IS TO COMBINE THE DRAWING FILES, SO THAT ONLY ONE SET OF FILES HAS TO BE MAINTAINED. THIS PHASE MEANS MOVING THE PRINT ROOM INTO WHAT IS NOW KNOWN AS THE R&D CONFERENCE ROOM. THIS MOVE HAS A DUAL PURPOSE: IT CREATES ONE CENTRAL LOCATION FOR ALL DRAWING FILES AND IT PROVIDES THE OPPORTUNITY TO TIGHTEN THE SECURITY AROUND THE PRINT ROOM.

THE THIRD PHASE IS TO MOVE THE (CADD) TOOL DESIGNERS FROM THEIR PRESENT LOCATION AND COMBINE THEM WITH THE (CADD) PRODUCT DESIGNERS. THIS WILL ALLOW TH TOOL DESIGNERS AND PRODUCT DESIGNERS TO WORK TOGETHER AND IMPROVE THE COMMUNICATIONS BETWEEN THE TWO GROUPS. ULTIMATELY, THIS WILL IMPROVE THE OUTPUT EFFICIENCY AND ACCURACY OF BOTH GROUPS. ALSO, THIS WILL ALLOW THE TWO GROUPS TO BE CROSS TRAINED AND ELIMINATE THE BOTTLENECKS IN BOTH AREAS.

CARPET PROJECT FOR R&D

THE WORK ORDERS HAVE BEEN SUBMITTED TO THE PLANT ENGINEERING SECTION AN THE CARPET IS ON ORDER. THE EXPECTED DELIVERY OF THE CARPET IS THE WEEK OF JUNE 22. A SCHEDULE HAS BEEN WORKED OUT WITH PLANT ENGINEERING TO INSTALL THE

CARPETING. THE ELECTRICAL WORK HAS STARTED, AND BONNIE MOROTTI HAS BEEN MOVED. THE NEXT STEP WILL BE TO START REMOVING WALLS AND BUILD THE EXTENSION ON THE CADD ROOM FOR THE TOOL DESIGNERS.