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M E M O R A N D U M

TO: K.W. SOUCY

FROM: F.E. SCHMIDT, JR. *FS*SUBJECT: APRIL MONTHLY REPORT

This month was focused on trial and pilot analysis of the Marine Magnum shotgun. As a result, the final drawings with plating specification have been validated and released to production. Internal materials processing, inspection, quality control and salt fog procedures have been prepared by G.D. Sietsema and will be approved early May.

Litigation - The metallurgical issues were abandoned in both the Morris v. and Foust v. Remington Cases. In the Foust Case, this resulted in an outright dismissal of all allegations. Shotgun barrel chamber burst cases have all been rescheduled out beyond 1992 by the plaintiffs.

Plant Assistance - Metallurgical assistance this month has focused on three areas: raw materials certification, heat treating procedures and machinability issues. During May, we expect to focus on Model 700 stainless steel optimization.

General - The TECH BRIEF on Plating Technology was held April 14 by Lloyd Ploof of H.M. Quackenbush, Inc. The meeting was very positive with 38 in attendance, including an equal mix of Production, Service and R&D personnel. The May TECH BRIEF will feature Win Welch of Metal Improvement Co., Inc. on Shot Peening Application for Engineering and Cosmetic Finishing.

Two technical papers were submitted to ASM International for the first annual ASM Monograph on Failure Analysis:

- Erosion Failure of Stainless Steel Cost Pump Impeller in Brine, and
- Fatigue Failure of AISI Type 4037 Stud Bolts

Both papers were authored by Sietsema and Schmidt. The main value of the publication to Remington Arms is certification of our professionals for court testimony.