

4 May 1992

To: K.V.Soucy  
From: J.R.Snedeker

REF.: "MONTHLY REPORT" FOR APRIL 1992

SAFETY, HEALTH AND HOUSEKEEPING:

- Site audit for the month was completed.

PERSONNEL ISSUES:

- No significant items to report.

MAINTENANCE:

- No significant items to report.

TEST PROGRAMS:

- M/11-87 Sporting Clays
  - Design Acceptance and Trial & Pilot successfully completed.
- M/700 Stainless Steel
  - Design Acceptance on the Magnum calibers completed; Trial & Pilot not yet completed.
  - Design Acceptance on the Standard calibers is continuing.
- O/U
  - Continuing the endurance testing to 20,000 rounds.
- M/11-87 Turkey Choke Tube evaluation
  - Patterns have been shot - now being analyzed.
- Marine Magnum
  - Endurance testing complete with the help from the Gallery personnel.
- M/700; 17 Rem Mountain Rifle
  - 10,000 round endurance test completed with the much appreciated help of the Production and Gallery Testers.
- Other projects currently being tested:
  - M/870 magazine follower re-design; (duck plug issue)
  - M/870 Firing Pin Retract Spring re-design - dry cycle.
  - M/870 MIM Extractor process - dry cycling.
  - O/U evaluation of Rib to Barrel adhesive.

PROJECTS:

- Passive Bullet Traps Project-
  - This project has been put off until the end of the year.

-S.A.A.M.I. Ref. Ammo Storage

- The project write-up has been submitted to Dan Shumway for circulation.

-High Speed Video Project-

- I've talked to a Rep. from NAC, the other company currently manufacturing High Speed Video equipment and it is evident that they are not up to the capabilities of the Kodak system. I talked with the Rep. about the possibility of setting up a demonstration of their equipment using the same procedures we used for the Kodak demonstration. We have not yet set up a date to do this. The Rep. was supposed to get back to me and I haven't heard from him so I made a few calls to him but he hasn't returned any of my calls at this time. He seemed to lose interest when I told him that funds were not available at this time and that this was a possible future project. In any event, I don't think they have equipment equal to the Kodak system at this time.

-Upgrade of Instrumentation Capability in Test Lab-

- As I mentioned in previous reports, there is a need to upgrade our instrumentation in the Test Lab. The most recent piece of equipment we have is our Storage Scope and it is almost 15 years old. Over the past 10-15 years we have just not spent the money to upgrade our instrumentation the way we should have. During the recent test program to evaluate the new shotgun barrels it became painfully evident just how limited we are when trying to measure important mechanical and physical characteristics. We have forecast \$25M for instrumentation for the '92 Capital Budget and we will be requesting some of this money when we determine just what pieces of equipment best meet our immediate needs. I also plan on submitting a request for funds in each of the upcoming years to continue the upgrading program.