

## **Firearms Development Project Status Summary:**

**NAS** Implementing design changes so that the NAS will handle loads from HV to 3 1/2 " 2 1/4 oz. The difficult part of this range is the HV loads. Parts are on order now for these changes and expect to be assembling firearms for initial test middle of August. **Concern(s):** Ability to shoot HV loads and schedule.

**Fire Control Design** Measuring parts for two new, distinct M/700 fire control designs. Expect to have firearms assembled for testing third week in August. Need the following new firearms for testing: 8 M/700 Magnum Receiver, 2 M/700 Short Action VLS, 2 M/700 Short Action VS, 2 M/Seven LS and 2 M/Seven SS for testing. Need marketing approval to remove from warehouse or need to try to get product from Ilion. **Concern(s):** Trigger feel and need firearms

**.221 Fireball Classic** Four DAT firearms exhibited ~60% fail to eject malfunction. Ejector protrusion from bolt face is out of specification (too little protrusion). Modifying firearms to force ejector protrusion to the tolerance minimum and will retest. Have had no problems feeding from magazine box. Still targeting to transmit design by first week in August. **Concern(s):** Ejection

**M/Seven RSUM** EET testing complete, firearms fed well. Now waiting for firearms from Ilion to start DAT testing. Thirty-six (36) firearms on order, 7 scheduled to ship today, to test M/Seven and M/671 Guide Gun. **Concern(s):** Schedule, need firearms

**M/671 Guide Gun** Waiting for firearms (see above), new synthetic rib and stocks from S&K. S&K has scanned custom shop stock and delivered initial prototypes. Now need S&K to make revisions to early prototypes and produce next batch from appropriate laminate blanks. **Concern(s):** Rib attachment, do not have an alternative at this point and stocks from S&K

**EtronX Hunting** Assembling firearms for EET. Expect to complete EET by third second week in August. Initial cost estimate for EtronX hunting is \$450.00 vs. \$701.00 for EtronX varmint. Once E-hunting passes EET will need to be subjected to all emission and susceptibility testing. Currently, the goal is to finish DAT testing in October, 2001. **Concern(s):** None yet

**M/710 .270** Passed T&P Wednesday, July 25, 2001.

**M/710 Magnum** Firearms currently in EET proof testing. Firearms in test are exhibiting hard extraction problems with spent cases. Proof rounds are very hard to extract, while normal rounds are better but unacceptably hard. Chambers in test guns were hand reamed. Requesting from Mayfield production barrels and will reenter test. **Concern(s):** Do not understand extraction problems.

**M/700ML Multi-Primer** Masket cap and 209 primer nipples testing underway. Recent design changes reduce .209 back pressure. Believe successfully worked around Thompson Center patent; however, a 1995 patent "Muzzle Loading Firearm Ignition System" is much broader in scope. Additionally, .209 and masket cap produce significant amount of flash, nothing like a flintlock but much more than percussion cap. **Concern(s):** 1995 patent

**M/597 Magnum Nepal** Four firearms modified for the Nepal Police, three firearms sent to Greg Thomas one retained in Elizabethtown. Modifications include, metal magazine box (now in production), new magazine box spring, stiffer magazine latch spring, permanently attached bolt handle and different sight. **Concern(s):** None at this time.

**Gel Pad** The Gel Pad from PDI, while from a pure recoil perspective outperforms anything on the market, does not meet all heretofore required specifications. PDI does not believe that current technology allows them to meet all our requirements and have bowed out of contention. Have another pad for Simms that have only done some shooting with, but do not believe it will meet all our specifications either. This program is essentially on hold. **Concern(s):** If choose to continue program do not believe technology supports our specifications.