

31 Mar.'93

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

REF.: MONTHLY REPORT FOR MARCH 1993

SAFETY, HEALTH AND HOUSEKEEPING:

- Site audit completed for month.
- Completed a Process Hazards Audit of the Micro-carb furnaces in the Heat Treat area of the Plant with M.Tasovac.
- Attended monthly Process Hazards Committee.
- The Blood/Lead test results for the Test Lab Technicians have now been returned from the Lab. All of the Technician's blood/lead levels were well under the limits set by OSHA.
- Chair inspections were completed for all of the test lab area.
- The Test Lab was also audited by the Plant Staff members, D.Albrecht and C.Shoemaker, and some items were identified that needed correction. These items have either been corrected or are being addressed.

PERSONNEL ISSUES:

- R.Hove, Senior Tech., has now retired. Bob will be missed, he was a valuable member of the team whose skills will be difficult to replace. A posting has been made to replace Bob and a list of interested personnel who have bid on the job will be reviewed and bidders will be interviewed in order of seniority.

MAINTENANCE:

- During the month we ended up with only one jack in working order for a period of about 3 days. The Crafts shop came to the rescue and by putting in some extra special effort and now we are back in business with a total of four jacks. We were able to install the fourth jack by modifying and using the one from the Photo Lab. The Crafts Shop is in the process of making additional repair parts to have on hand and they are having two more jacks built for us to use.
- The "balancers" we have installed to assist the testers in opening the O/U's while in the jacks are a big improvement over the our previous "manual" method.

TEST PROGRAMS:

- The majority of testing effort during the month has continued to be on the O/U. We now have all three modified O/U's endurance tested to 50,000 rds of 3" Magnum (top bbl only).
- The M/541-T Heavy Barrel Trial & Pilot Testing has been successfully completed.
- The 10,000 round endurance test of the SS Upset Barrel process is being held due to other priorities.

#### 20 Ga. Rifled Barrel

Awaiting competitive ammunition to begin testing. Also, the best results with the experimental Copper Solid prototypes have been with a 1 in 24 twist rate. Our test barrel has a 1 in 35 rate, making it unsuitable for any further testing. Vince Scarlatta will also be trying a barrel with a 1 in 15 twist. His preliminary results should be ready by 5 April. Then we will order an ECM mandrel to make new prototypes. Cost will be \$700 and six to eight weeks for delivery.

#### Shotgun POI

We will investigate using a Krieghoff-style globe front sight and retapering the vent rib within the confines of the current blank. On hold pending other priorities.

#### 10 Ga. IC Choke Tube

Prototype design complete. Samples from vendor delayed until middle of April. Testing will be delayed due to lab priorities.

#### 12 Ga. Rifled Choke Tube for Sabot Slugs

We have acquired two Browning rifled tubes for testing. Our design should be similar. Testing delayed due to lab priorities.