

26 Feb.'93

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

REF.: MONTHLY REPORT FOR FEBRUARY 1993

SAFETY, HEALTH AND HOUSEKEEPING:

- Site audit completed for month.
- Attended monthly Process Hazards Committee. At some point this year I need to schedule myself for the DuPont Process Hazards Training Program. There is a session scheduled at the end of March in Wilmington but I have put off scheduling myself for this session due to the O/U Trial & Pilot Testing, feeling that it is more important than the training.
- The Blood/Lead test results for the Test Lab Technicians have not yet been returned from the Lab, Medical says that these reports sometimes take awhile - they're done by an outside Lab.
- Quarterly Safe Gun Handling for Test Lab personnel was conducted by the Research Safety Committee. We had scheduled the Safe Gun Handling sessions for the Test Lab at a later date because of the intense testing activity around the O/U.

PERSONNEL ISSUES:

- R.Hove, Senior Tech., who has been out on long term disability, has decided to retire. Bob was planning on retiring this year at the end of Oct. Although his condition has apparently stabilized, his doctor will not permit him to drive again until at least July and he should not be operating machinery. Bob has been reviewing his options with Personnel and is now scheduled to sign his retirement papers on 2 March.

MAINTENANCE:

- We are still down to only 3 jacks in the testing area. I am attempting to get our program for the review of the test jack design underway, but again, the O/U has occupied most of our time since last October. We have made some significant improvements around the ergonomic issues that the O/U's have presented in Jack Testing, that is the difficulty of trying to open an O/U in the Test Jack/Belly Protector. It takes about 16 lbs of force to lift and open an O/U when it is located in the Test Jack/Belly Protector. We are going to install mechanical lifts - the cable and reel type, to provide lift assistance for the tester. The first one that we installed seems to do the job. The lifts for the other two "O/U booths" are going to be installed in this coming week.

TEST PROGRAMS:

- The majority of testing effort during the month has continued to be on the O/U. We now have one of the three endurance to 50,000 rds of 3" Magnum (top bbl only). Two additional guns are at 26,000 rds and 39,000 rounds and will be taken to the 50,000 round level as time permits.
- The XP-100 Trial & Pilot testing has been delayed due to front sight misalignment and stock finish problems.
- The M/541-T Heavy Barrel Trial & Pilot Testing is now scheduled to start the week of 8 March.
- The 10,000 round endurance test of the SS Upset Barrel process is progressing.
- We are trying to catch up on some of the paper work for previously done testing and expect to submit draft reports for review in the near future.

PROJECTS:

- Passive Bullet Traps  
The traps continue to work well. We have discovered a small problem with the pump flow warning devices that we installed (they are not part of the Passive Bullet Trap System and are our own add-on). We're guessing that the sensors are picking up the presence of lead in the coolant and giving a false indication that the flow is still on even though it may not be. This isn't really a problem as far as the use of the bullet traps for now but we need to be aware of the condition and keep a watchful eye on the traps to make sure the coolant continues to flow during testing. Larry Williams is looking into the matter. I have requested a quote from Passive Bullet Traps on the cost of building and installing a trap at the end of the 200 yard range so this can be considered as a future Capital project.
- Test Lab Instrumentation  
The new Tektronix Model 2520 multi-channel analog/digital storage\*scope is now in operation. We are scheduled for in-house training on 25 March. This training was included in the cost of purchase and so we want to take advantage of the opportunity even though we have up to this point self-taught ourselves to use the obvious features of the equipment - the one day training session with the Tektronix Tech Rep should help answer some of our specific questions and show us how to take full advantage of the equipment. This is really an outstanding piece of hardware and gives us a significant capability improvement.