

Minutes – Friday Meeting

12/6/13

- Do we want to go with a coupling design? Or the linear guide that Kyle designed?
 - The coupling will be manufactured in house
 - Coupling will have circular geometry, and a square shaft hole
- Brian found a local company that can supply piping at a decent cost.
 - \$335/ft
 - \$4.25/cut
- Company in Pennsylvania that does XXS threading with NPT. Brian emailed the company for quotes and we should have those soon
- We will be using an encoder with the motor and gearbox
- Kyle's opinion on why the slider is easier:
 - Easy to remove/clean/replace, whereas the coupling is not.
- With square shafted coupling, like Mitch mentioned, you can use a wrench to open or shut off valve manually.

ACTION ITEMS:

Jake- driver pack findings and encoder

Mitch- coupling design

Brain- piping and schedule detailed for MSD II

Anushka- Start Final Presentation and encoders

Everyone- FMEA for each component. Keep thinking about BOM for each respective component. And purchase requisitions.