

SoLID Magnet Controls System Meeting Minutes

Date: April 13, 2022

Time: 11:00 – 12:00

Attendees: Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Steven Lassiter, Tyler Lemon, and Marc McMullen

1. Cable fabrication

Pablo Campero and Mindy Leffel

- Completed 63 of 65, 100' cables
 - Completed two 100' cables for heat exchanger temperature sensors
 - Unable to terminate two cables for current lead temperature sensors until connections are finalized. However, will connect finished end of the cable to the rack terminal blocks

2. Racks wiring and instrumentation debugging

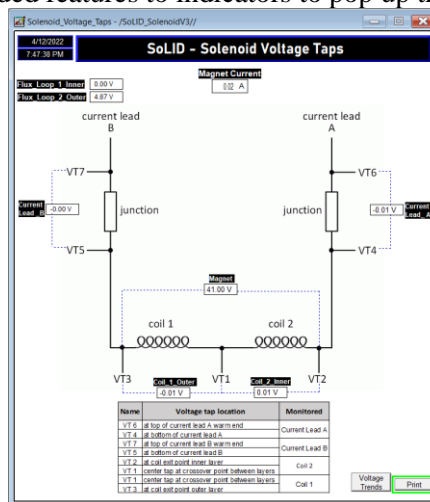
Pablo Campero and Mindy Leffel

- Continued debugging electric ball valve readout
 - Rewired valve transducer current circuit connections, since terminal blocks were changed from 1-level to 2-levels. Drawing will be changed
 - Measured voltage in Red Lion local voltmeter and current in ADC PLC module; noticed expected voltage and current variations for valve position changes
 - Calibration of zero point position for valve in progress
- Connected the following 100' cables to Rack A terminal blocks
 - 1 cable for voltage taps readout
 - 2 cables for mass flow controllers
 - Connected drain wires for load sensors cables

3. Screens development

Mary Ann Antonioli and Pablo Campero

- Completed *Solenoid Voltage Tap* HMI and Phoebus screens
 - Updated spreadsheet with voltage tap location
 - On HMI screen, added features to indicators to pop up trends



SoLID Solenoid Voltage Tap HMI screen