



PROJECT DETAILS AND PROGRESS:

Contract 140095 – Mechanical and Electrical Installation

- Installed braces for lifting system inside accessory enclosure
- Installed toe kick for fuel gas module
- Installed rubber gasket between exhaust duct and acoustic wall
- Removed temporary trailer utilities
- Installed accessory enclosure indoor platform steel and other miscellaneous platform locations
- Completed punch list items and loaded tools and equipment
- Installed insulation on cooling water and water wash piping
- Accepted delivery of platform steel

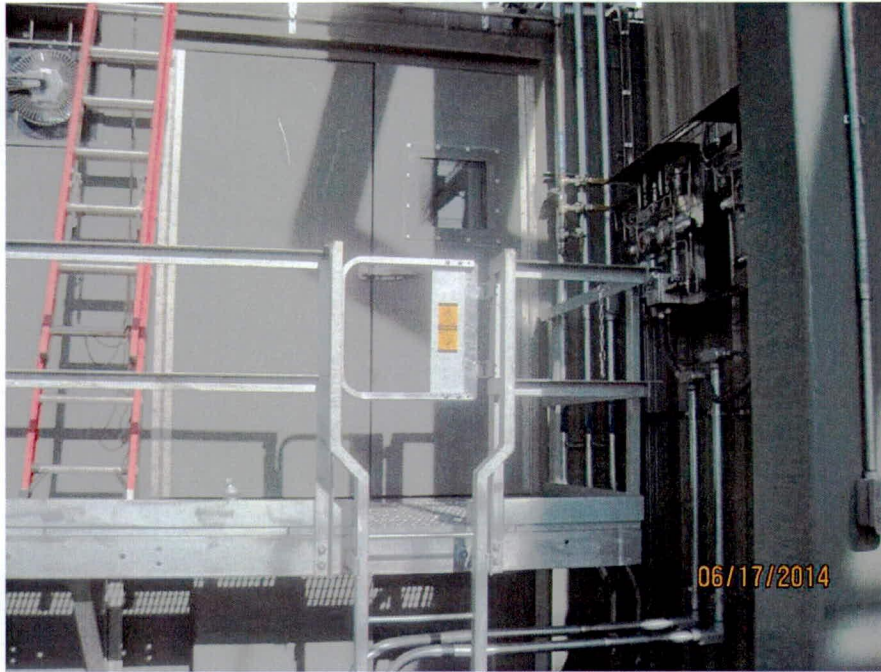
MDU/GE Check-out

- Attempted generator synchronization but unit tripped due to wiring discrepancy
- Performed first generator synchronization at full speed, no load
- Performed generator breaker trip at 10MW load
- Performed generator load checks at 25MW, 50MW, and 81MW (base load)
- Performed under-excitation generator testing at 20% for 1 hour
- Performed over-excitation generator testing at 65MW for 2 hours
- Performed Power System Stabilizer (PSS) Gain Tuning
- Attempted PSS Dynamic Performance Test but had difficulties with oil mist eliminator and vapor extractor
- Set up equipment for performance testing
- Cleaned lube oil inside of north access window of generator
- Cranked starting motor to check for any additional oil inside compartment
- Meggered generator field winding and stator winding – results acceptable
- Cleared generator to be run mechanically - GE generator specialist
- Completed punch list items

PROJECT OPEN ITEMS / CONCERNS:

- None not already discussed
- Construction Equipment: 40-ton rubber tire crane, 1 fork lift (JLG Skytrak),
- Visitors: Pete Thiessen (MDU)

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R.M. Heskett Station Unit 3
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Turbine platform safety gate installation (looking W)



Acoustic wall gasket installation (looking E)

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Accessory enclosure platform installation (looking N)



Generator access platform installation (looking SW)