



PROJECT DETAILS AND PROGRESS:

Contract 140095 – Mechanical and Electrical Installation

- Installed inlet air filter media and cleaned inlet air filter house
- Install expansion joint between turbine and generator
- Closed and sealed pipe penetrations and installed silicone for enclosures
- Fabricated and installed evaporative cooler piping
- Set spring cans for bleed heat piping
- Installed final connectors for fire mist skid
- Snapped coupling and continued installing guards
- Formed and installed grout for stands and supports – stripped forms
- Pressured tested fuel gas piping between the fuel gas module and turbine successfully
- Installed cooling water, bleed heat, and fire mist insulation
- Restored fuel gas piping between the fuel gas module and turbine from testing
- Repaired shipping damage in fuel gas module – differential gauges
- Welded keys and bolt tabs, adjusted thrust, and installed guards in turbine
- Performed pressure testing of instrument air piping and was successful
- Fabricated and installed cooling water piping restraints
- Installed hand rail and kick plates on cooling water and generator platform
- Drained a portion of lube oil to get to proper level – stored in totes in Service Building

- Cleaned EMH 2 and 3
- Installed heat trace conduit and terminated cable
- Installed security system elements including junction boxes
- Installed evaporative cooler conduit and pulled cable
- Installed hazardous gas tubing
- Installed trim plates on acoustic barrier for 15kV non seg bus
- Terminated cable at coalescing filter

MDU/GE Check-out

- Checked out various loops
- Checked out current transformers for switchgear
- Checked out fire protection/fire mist system – filled and drained holding tank, pulse station communication from panel to main control panel, and performed three zone tests for FM Global and were successful
- Checked out instruments in bearing 3
- Checked out exciter
- Checked out CEMS shelter and instruments (STI)
- Checked out and tested GCBC (UL) – passed
- Checked compressor bleed valves on turbine compressor
- Set gap voltage on vibration probes
- Meggered generator
- Checked out various pieces of field equipment
- Checked out communications between the meters and the Mark VI
- Checked out coalescing filter
- Checked out I/O on BOP



SITE WEEKLY REPORT
MONTANA-DAKOTA UTILITIES CO.
R. M. HESKETT STATION UNIT 3

Week of 5/5/14
PSC: PU-11-631



MDU Gas
<ul style="list-style-type: none">• Piggged gas line between coalescing filter and fuel gas module• Tested gas piping from gas yard and fuel gas module and pressure test passed
PROJECT OPEN ITEMS / CONCERNS:
<ul style="list-style-type: none">• None not already discussed
<ul style="list-style-type: none">• Construction Equipment: 3900 crawler crane, 40-ton rubber tire crane, 2 fork lift (JLG Skytrak), 2 man lifts, 1 skid steer (Bobcat T550)• Visitors: Pete Thiessen (MDU)

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R.M. Heskett Station Unit 3
Project No. 11-0274-04



Evaporative cooler piping installation (looking W)



Inlet air filter installation (looking W)

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Accessory enclosure fire mist testing (looking E)



Fuel gas heat trace installation (looking S)