



PROJECT DETAILS AND PROGRESS:

Contract 140094 – Site Preparation, Service Building, Foundations, and Underground Installations

- Installed exhaust fan ducts, water fountain, eye wash station, ceiling tile, plumbing, water heaters, bathroom ceramic tile and fixtures, countertop, control room, office, conference and reception floor tile in the Service Building
- Installed fire protection piping, conduit, and alarms in Service Building
- Installed fire hydrant extension section of FH-05
- Excavated, located, repaired the leak for 6"- 8" fire protection pipe (8-FP-01) and backfilled
- Pressure tested 6"- 8" fire protection pipe (8-FP-01) at 200 psi for 2 hours
- Leveled post indicator valve on 6" fire protection valve FP02-V1
- Installed mechanical joints and pipe supports on 6" fire protection (6-FP02) stub-up in north pipe access vault in the Service Building
- Sampled potable water for the first bacteria test in Service Building
- Installed 2" fuel gas (2-FG08) from gas house to Service Building
- Pressure tested interior gas piping in Service Building to 20 psi for 2 hours
- Purged gas piping and valves and turned on gas service in the Service Building
- Placed grout in remaining stormwater manholes for inverts
- Installed pipe bracing in wastewater lift station manhole
- Installed anchor bolts for oil mist skid
- Spread out ¾" clean crushed surface rock
- Final grading throughout site
- Seeded all disturbed areas and installed remaining fiber rolls
- Installed rock bags for erosion control around stormwater area inlets
- Installed fence grounding near south access gate
- Drilled holes and placed concrete for site security fence poles on east and north sides
- Assembled and laid out light poles
- Installed electrical lights, emergency lights, switches, outlets, steel conduit, wire pulling and UPS operational in Service Building

Contract 140095 – Mechanical and Electrical Installation

- Assembled and welded exhaust sections in laydown and on foundation
- Installed silencer baffles in exhaust duct
- Erected exhaust duct pieces
- Installed interconnecting pipe
- Installed lube oil piping
- Installed generator platform
- Placed water mist fire protection skid on the foundation
- Placed grout for fuel gas and water wash skids
- Placed grout around inlet air and generator platform steel base plates
- Welded closed cooling water platform hand rails
- Removed closed cooling water grout pockets and placed grout around motor skids
- Removed grout forms on closed cooling water legs
- Placed oil mist eliminator skid on foundation
- Relocated crane to southwest side of turbine

completed by: Aaron Armbrrecht

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

Week of 10/28/13
PSC: PU-11-631



- Installed cable tray in electrical room of Service Building
- Installed sections and connections from 15.5kV non-seg bus duct to circuit breaker (GCBC) to generator
- Pulled cable through PEECC, EMH-5, and EMH-2
- Installed the pipe stub up in TK-11B at the Heskett Unit 1/Unit 2 plant
- Accepted delivery of turbine rotor stand, spreader bar, misc. hardware, and exhaust stack touch-up paint

PROJECT OPEN ITEMS / CONCERNS:

- None not already discussed
- Construction Equipment: 2 skid steers (CAT 247B, 262), 1 forklift (CAT TH103), 2 track hoes (Deere 130G, Doosan 350LC), sheep's foot roller (CAT CP-433C), front-end loader (CAT 950G), 3900 crawler crane, 40-ton rubber tire crane, 2 fork lift (JLG Skytrak)
- Visitors: City of Mandan (George)

Montana-Dakota Utilities Company
R.M. Heskett Station Unit 3
Project No. 11-0274-04



Generator platform installation (looking NW)



Service Building floor tile installation (looking NE)

Montana-Dakota Utilities Company
R.M. Heskett Station Unit 3
Project No. 11-0274-04



Generator platform base plate grout installation (looking SW)



Site security fence installation (looking S)



PROJECT DETAILS AND PROGRESS:

Contract 140094 – Site Preparation, Service Building, Foundations, and Underground Installations

- Installed doors, exhaust fans, HVAC duct and insulation, cabinets, natural gas piping, potable water plumbing, and fire protection piping and conduit for Service Building
- Installed concrete for air compressor and A/C pad for Service Building
- Installed grounding from Service Building to wash water skid
- Removed forms for concrete for air compressor and A/C pad for Service Building
- Installed electrical lights, emergency lights, switches, outlets, steel conduit, and wire pulling in Service Building
- Switched on low voltage power to the Service Building; kept temporary power in service
- Pressure tested stainless steel fire protection piping and water wash piping
- Installed angle for trench drains on exhaust blower foundation
- Installed additional exhaust blower bolts
- Install steel tubing for bollards
- Installed oily drain tank control panel
- Installed rip-rap at stormwater basin and flared end sections
- Excavated and installed septic tank, inspection pipes, and locating markers and backfilled tank the sanitary distribution box and absorption field crushed rock and perforated pipe
- Excavated, re-insulated and backfilled the fuel gas stub-ups for heat trace installation (6-FG01, 2-FG09, 6-FG02) and backfilled for the instrument air (0.75-IA02), and fire protection stub-ups (1-FP05, 1.25-FP04, 1.25FP03)
- Drilled light pole base on south side of gas yard
- Pulled wire between light bases
- Placed concrete for 4 remaining light bases
- Backfilled duct bank ED36A with sand and without concrete encasement
- Final grading throughout site
- Installed ¾" clean crushed surface rock
- Removed asphalt at Heskett plant and installed 4" service water line (4-SW01) and stub-up near maintenance shop, backfilled with sand, and placed Class 5 aggregate for temporary pavement
- Accepted delivery of sanitary distribution box

Contract 140095 – Mechanical and Electrical Installation

- Erected acoustic barrier panel with bus duct box out
- Erected inlet air filter steel
- Welded generator heat exchanger at turbine area in installed position
- Assembled and welded exhaust sections in laydown and on foundations
- Installed exhaust frame blowers and wing cowls
- Set UAT on foundation
- Fabricated lube oil piping
- Installed conduit and wire in Service Building
- Set ICS cabinet in electrical room of Service Building
- Assembled closed cooling water steel platform, grating, and hand rail
- Installed 15.5kV non-seg bus duct and bus support on generator pad south of acoustic barrier panel
- Installed low voltage bus duct down the outside of the Service Building wall

completed by: Aaron Armbrecht



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

Week of 10/21/13
PSC: PU-11-631



- Set station service transformer on foundation and connected low voltage bus duct
- Installed raceway to wastewater lift station
- Installed conduits at closed cooling water module
- Installed A/C units on east side of PEECC
- Installed heat trace on fuel gas pipe stub-ups (6-FG02, 2-FG09, 6-FG01)
- Accepted delivery of UAT

PROJECT OPEN ITEMS / CONCERNS:

- Discovered leak in the 8" fire protection line. Plan to expose the pipe in the location and make the necessary repairs
- Construction Equipment: 2 skid steers (CAT 247B, 262), 1 forklift (CAT TH103), mini excavator (CAT 304CR), 2 track hoes (Deere 130G, Doosan 350LC), sheep's foot roller (CAT CP-433C), front-end loader (CAT 950G), dozer (CAT D5K), 3900 crawler crane, 40-ton rubber tire crane, 2 fork lift (JLG Skytrak)
- Visitors: None

Montana-Dakota Utilities Company
R.M. Heskett Station Unit 3
Project No. 11-0274-04



Generator heat exchanger installation (looking SE)



On site wastewater treatment system (looking E)

Montana-Dakota Utilities Company
R.M. Heskett Station Unit 3
Project No. 11-0274-04



Exhaust system duct installation (looking N)



Unit Auxiliary Transformer (UAT) installation (looking NW)