



Polson Water Resource Recovery Facility

Construction Progress Report

(February 2018)

TO: Mark Shrives, City Manager
106 First Street East
City of Polson, MT 59860

CC: Polson City Council
Ashley Walker, W/S Superintendent

FROM: Kevin Johnson, P.E.
Project Manager – DOWL

DATE: February 28, 2018

This construction progress report includes work for the month of February 2018.

Headworks Building:

Much of the interior building wall insulation and wall finishes are completed in the headworks building now. Building plumbing, electrical and HVAC work is ongoing. The concrete grit chamber west of the building is in process with the first few concrete pours completed on this complex structure. See Figure 1 and Figure 2.

SBR Tanks:

Some work was completed evaluating the minor shrinkage cracks in the SBR walls. Work was completed grinding out the cracks in preparation of applying concrete sealant product on the interior before the tanks are filled for leak testing in the next 4 to 6 weeks, weather permitting.

UV Building:

One more concrete pour will complete the concrete post-equalization basin. Further, the exterior concrete channel walls of the UV disinfection channels were completed. Following completion of the tank walls, preparations can be made to leak test this structure as well as move forward with the building wall footings for the UV building attached to the post-equalization tank. See Figure 3 and Figure 4.

Control Building:

The interior walls of the control building are complete and most of the ceiling is installed in the control building. Building electrical, heating and ventilation work is well along. The process

blowers and the digester blowers are set in the blower room and the aeration piping leaving this room is nearly complete. The process piping is completed short of minor instrumentation taps, painting and final adjustments and pipe supports. Air handling units are set in the basement. See Figure 5 and Figure 6.

Digesters:

Work continued inside the digester #1 on the sludge piping, the aeration air piping and equipment and the compressed air mixing system. This work is now progressing in digester #2. See Figure 7 and Figure 8.

Misc. – Equipment Delivery

The final delivery of the pre-procured equipment (electrical panels) from Huber is expected the week of March 7. All equipment will be on site at that time.

Schedule

During the week of February 19 to Feb 23 the contractor did not work on account of very cold weather and blowing snow conditions. Work has resumed as of February 26 with no scheduled work suspensions. The critical path work includes completion of the post equalization tank, construction of the UV building perimeter foundations and footing walls and leak testing of the post EQ tank and the SBR basins when weather allows.

Overall Project Status Summary:

Contract Time: 532 Days to Substantial Completion of Treatment Facility

Days Expended: 315 (To Feb 26, 2018); (59%)

Original Contract Amount:	\$12,213,000
Change Order #1	\$29,087
Change Order #2	\$2,542
Current Contract Amount:	\$12,244,629

Total To Date: \$6,927,583; (57%)



Figure 2 - Headworks Bldg. Interior Wall Insulation



Figure 1 - Grit Chamber Base - Form Work



Figure 4 - UV Channels - Exterior Walls



Figure 3 - Post EQ Basin North East Wall - Forming



Figure 6 - Control Bldg. Blower Room



Figure 5 - Cntrl Bldg.; Compressor For Digester Mixing System



Figure 7 - Digester 1; Aeration Piping & Sludge Piping



Figure 8- Digester 1; Aeration Piping