



Polson Water Resource Recovery Facility

Construction Progress Report

(January 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: January 29, 2018

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

Headworks Building:

The interior flow channel walls and remaining floor sections were completed in this building this month. Building plumbing, electrical and HVAC work is ongoing. This month the interior insulation and drywall will be installed while building electrical and plumbing proceed. See Figure 1.

SBR Tanks:

No work was completed on the SBR tanks this month. Work will resume on this structure when weather conditions allow for leak testing to be completed.

UV Building:

The floor slab under the post-equalization tank was completed this month. Work on the walls for this tank will progress over the next month. This tank must also have a leak test before the remainder of the building footings and walls connected to this tank can be completed. See Figure 2 and Figure 3.

Control Building:

Work within this building in January included completion of the process piping in the basement, dry wall installation within the various rooms in the upper floor, installation of equipment pads for the aeration blower equipment and miscellaneous electrical, plumbing and HVAC. See Figures 4, 5 and 6.

Digesters:

Work progressed inside Digester 1 including installation of the aeration and mixing process piping. See Figure 7.

Misc. – Equipment Delivery

Fluidyne, Inc. has delivered all the equipment included in their scope of supply including the process aeration blowers, electrical panels and pumps. The Control Building blower room is ready for the blower and electrical equipment to be installed in this room.

Misc. – Site Work

The site lift station wet well manhole sections were installed and backfilled in January. The snow melt combined with the native soil conditions continue to make for a saturated and muddy site. Effort to remove water from the construction site has been continual over the last few weeks. See Figure 8.

Schedule

No work suspension has taken place aside from the week between Christmas and New Year's, as Swank Enterprises has continued to work through January toward the critical path item of the post-equalization tank and UV building. Significant other work has progressed on most disciplines during this month as well.

Overall Project Status Summary:

Contract Time: 532 Days to Substantial Completion of Treatment Facility

Days Expended: 287 (To Jan 29, 2018); (54%)

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: \$6,164,221; (50%)



Figure 1 - Headworks Flow Channel - Forming



Figure 2 - Post EQ Tank Floor



Figure 3 - Post EQ Floor & Pipe Gallery

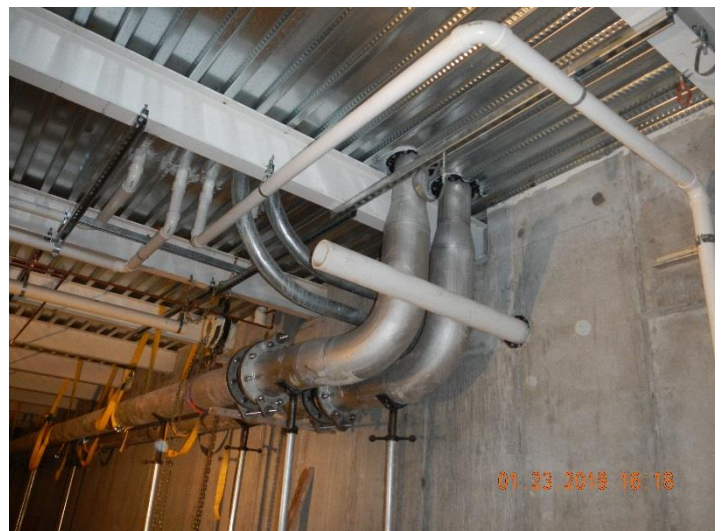


Figure 4 - SBR Aeration Piping - Control Building Basement



Figure 5 - Digester Process Piping



Figure 6 - Control Building - Dry Wall; Chem Feed Area

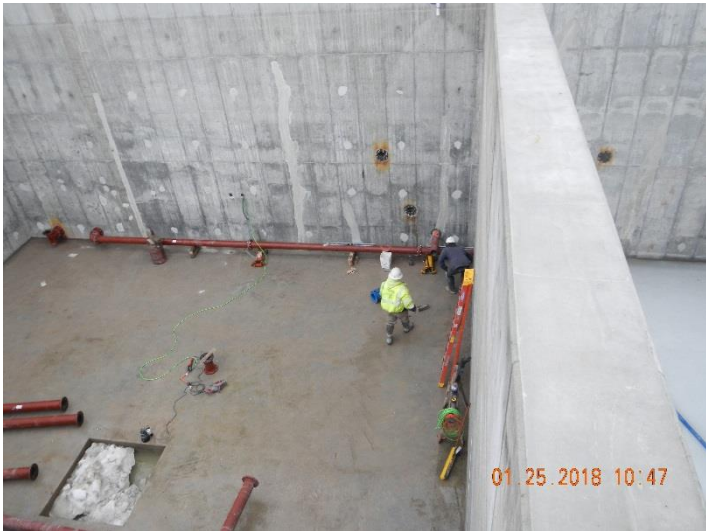


Figure 7 - Digester 1 - Process Piping In Tank



Figure 8 - Wet Site Conditions