



Polson Water Resource Recovery Facility

Construction Progress Report

(October 2017)

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: November 3, 2017

This construction progress report includes work for the month of October 2017.

Headworks Building: The upper footings of the headworks building and the concrete flow channels walls were completed in the month of October. The masonry walls can now progress as soon as the masons can return to the project. Roof trusses for this building are on site and can be installed as soon as the masonry walls are done. See Figures 1 and 2.

SBR Tanks: Several more concrete pours were completed on the SBR. Four (4) more pours of a total of 11 required pours remain for the walls of the SBR tanks. The middle sections of the north and south ends and the center wall remain to be completed. See Figures 3, 4 and 5.

Control Building: The masonry walls are completed on this building and the roof trusses are set. Installation of the roof decking and roof metal can proceed. Once this roofing material is placed this building will be considered dried-in for purposes of meeting one of the “critical dates” in the construction contract schedule. Interior mechanical, electrical and plumbing work will be able to proceed largely unhindered by weather. See Figure 6.

UV Building: The lowest concrete floor slab is excavated and rebar and forms are in place in preparation for the first concrete pour on this building to happen in the next week. Numerous concrete pours are required for the various footing elevations such that the concrete work will require six to eight weeks to complete before the structure is ready for the masonry work to proceed.

Digesters: The digester tanks have a few remaining seeps the contractor is working to address. The leak test has not been completed on these tanks yet. To date, this is not holding up any other work. With cold temperatures now in consideration, the leak repair work and subsequent leak test process is affected. Discussions are in process with the contractor regarding possible adjustments in the work sequence and schedule if the leak test work cannot proceed with the digester and the SBR tanks.

Misc.

Leak Testing & Backfill: The concrete water retaining structures must not be backfilled before the leak tests are complete. With colder weather now the normal for the next few months it may not be possible to proceed with this testing. We have asked Swank Enterprises to review the project schedule and consider at what point the project work progress would not be able to efficiently continue if this testing was not completed. It is our opinion the work on all three buildings can proceed independently of the backfill requirements. However, the backfill must be complete to allow work on the SBR inlet and outlet piping vaults and much of the yard piping to proceed. This work is currently scheduled to proceed concurrently with much of the other building work. Thus, the work sequence may require some adjustments to account for delays in the leak testing.

Huber Technology has delivered most of the owner-procured headworks equipment to the project site. This includes the influent screens and the grit removal systems. The electrical panel shipments were delayed to minimize the storage time on site.

Fluidyne, Inc. has made two (2) of the expected three (3) deliveries for the SBR treatment process equipment. The process aeration blowers and control panels are scheduled for delivery in December. The control building should be dried in by then and allow unloading of the aeration equipment directly into the control building where they will be permanently installed.



Figure 1 – Headworks Building – Upper Footings



Figure 2 –Headworks Building – Flow Channel Forming

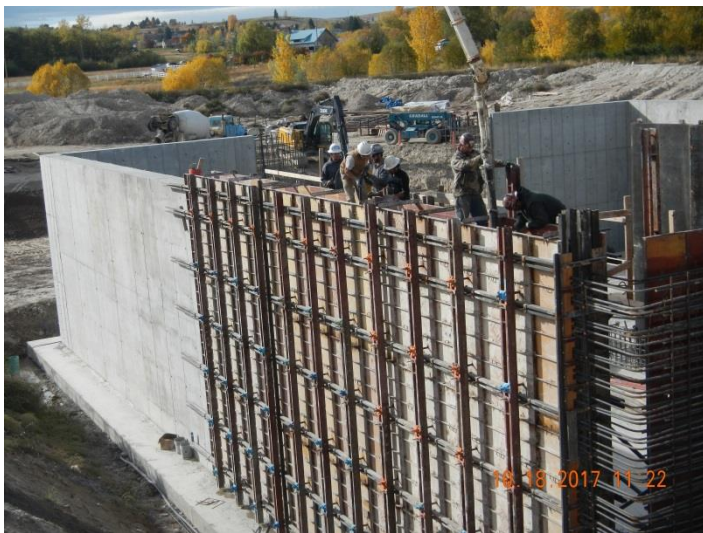


Figure 3 – SBR Tanks – East Wall Pour



Figure 4 – SBR Tanks – East Wall Done, North Wall Form



Figure 5 – South End of SBR; UV Building Lower Slab Preparation



Figure 6 – Control Building Masonry - Complete

Overall Project Status Summary:

Contract Time: 532 Days to Substantial Completion of Treatment Facility

Days Expended: 197 (To Oct 30); (37%)

Original Contract Amount: \$12,213,000

Change Order #1 (Total: \$29,087)

Current Contract Amount: \$12,242,087

Total To Date: \$4,201,168; (34.4%)