



# Polson Water Resource Recovery Facility

## Construction Progress Report

For Month of July 2017

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**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:** July 26, 2017

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This construction progress report includes work from approximately June 26 through July 27, 2017. The weather over the last month has been dry and hot. The hot conditions have required concrete pours to start at 3 A.M. in an effort to allow placement and initial curing of the concrete in cooler temperatures. The contractor has effectively implemented appropriate hot weather concrete placement procedures to mitigate the surface cracking that is a concern under these weather conditions. Thus far the foundation slabs are looking very good.

Further, the concrete mix supplied to the project by Treasure State has proven to consistently meet the wet concrete testing requirements as well as the specified break strength of the test cylinders. Significant planning and coordination among the contractor, supplier, the concrete finishers, DOWL's RPR and testers has resulted in nearly zero issues with the delivered and placed concrete.

Digesters/Control Building: The entire concrete foundation slab (i.e. tank floors) for the two aerobic digesters and the control building basement floor was completed this period. Along with these floor sections a retaining wall and foundation wall on the south end of the control building was completed. The first digester wall section was poured July 26. A total of five (5) pours will be required for the digester walls. The digester walls include approximately 350 cubic yards of concrete.

SBR Tanks: The entire foundation slab (i.e. tank floor) was completed this period. The next step for the SBR tanks will be placement of the wall forms and rebar curtains for pouring of the concrete walls. The walls for the SBR will include approximately 850 cubic yards of concrete.

Potable Water Main: A new potable water main was bored under Kerr Dam Road to west side for supply of potable water to hydrants and the treatment facility. Final connections and testing of this main will commence over the next couple weeks. This water supply is needed for filling of the digesters for the required leak testing of these tanks.

One Month Look Ahead:

Work over the next month will include completion of the rebar tying, forming and pouring of the digester walls. The leak test for the digester tanks should at least get started in the month of August but may not be completed. Sections of the SBR walls will also be formed and poured toward the end of the month.



Figure 1 – Digester Floors Concrete Placement



Figure 2 – Completed Digester Floor; Sprinkler Keeping Slab Wet



Figure 3 – SBR Basin – Foundation Completed, Covered with Water for Curing



Figure 4 – Fusion Welding HDPE for Pulling Under Kerr Dam Road; Potable Water Main

Overall Project Status Summary:

Contract Time: 532 Days to Substantial Completion of Treatment Facility

Days Expended: 102 (To July 27); (19%)

Total Contract Amount: \$12,213,000

Total To Date: \$1,857,672; (15%)