



# Polson Water Resource Recovery Facility

## Construction Progress Report

(Interim Report – Weeks of July 26 to August 18, 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:** August 18, 2017

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This construction progress report includes work from July 27, 2017 to August 17.

Digesters/Control Building: Only one concrete pour remains for the east wall and tank divider wall scheduled for August 21. Short of a solar eclipse, this work appears to be on track for this scheduled pour. As noted last month, these concrete pours commence in the early morning hours to minimize the challenges with keeping the concrete cool while placing and curing. In addition to the actual digester tank walls, the concrete basement wall areas and interior south polymer equipment room of the control building were also completed. The last few engineered aggregate piers were also installed for the control building perimeter footings.

SBR Tanks: The entire foundation slab is done and awaiting forming and placing of the walls. Once the digester walls are complete these wall forms will be used on the SBR tanks. No work has been done on the SBR for the last couple weeks.

Potable Water Main: A new potable water main was completed and tested. The main is ready and available for use in filling the digesters for leak testing. Filling is expected to take longer than expected on account of current limitations of the City water supply from the high temperatures and high corresponding water demand. A slower fill rate is not expected to impact overall schedule but could affect the critical path date in the contract for completion of the digester leak testing.

Headworks Building: Swank has adjusted their schedule to shift work from the UV building to the headworks building on account of site access constraints. Thus, excavation for the

headworks building has commenced to allow for below grade plumbing and electrical to be installed, followed by more concrete foundation work.



Figure 1 – Early Morning Concrete Pour – Digester Walls



Figure 2 – Completed Digester South Wall; Polymer Feed Equipment Room



Figure 3 – Rebar Typing in North Digester Tank Wall



Figure 4 – Backfilling on East Side of Control Building Basement



**Figure 5 – New Potable Water Main Across Kerr Dam Road to New Plant**

**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%)

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

- CO1-1: Remove/Replace Saturated Soil, SBR Tanks (\$7,000)
- CO1-2: Revise Outlet Control Valve Actuators (\$8,631)
- CO1-3: Revise SBR Inlet/Outlet Vault Hatches (\$13,456)