Polson Water Resource Recovery Facility

Construction Progress Report

(March 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: March 29, 2018

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

Headworks Building:

The interior wall insulation drywall and painting in this building is complete. Building plumbing, electrical and HVAC work is ongoing. The process equipment can be installed at any time including the influent screens, the grit washing assembly and the grit pumps in the basement of the building. Several of the concrete pours for the grit chamber west of the building are completed. See Figure 1 and Figure 2.

SBR Tanks:

One of the two SBR tanks is ready for leak testing as soon as Swank is able to relocate a crane to remove equipment from the SBR tank that is ready for testing. Once the east and south walls of the Post EQ tank are done, they can backfill to the east side and relocate the crane to allow this testing to proceed.

UV Building & Post Equalization Tank:

The Post EQ tank is complete and a successful leak test was finalized March 29. The exterior building footings and walls are complete as of March 29 as well. The channel walls for the ultraviolet (UV) disinfection equipment were also completed. See Figure 3, 4 and 5.

Control Building:

During this month, significant progress was made on the interior building plumbing, heating and electrical systems. Additional electrical panels were installed and the process air piping is nearly complete. See Figures 6, 7 and 8.

Digesters:

The digester aeration and mixing piping each of the digesters is nearly complete. Work remaining on the digesters includes leak testing and then installation of prefabricated covers over these tanks. See Figure 9.

Schedule

The critical path item at this time is filling and testing of the concrete SBR tanks. As noted above, this can begin as soon as associated site work will allow relocation of a crane to remove equipment from the SBR basin. It is expected to take several weeks to get through filling and testing of both of the SBR basins. Backfill around the basins cannot progress until these tests are completed.

Overall Project Status Summary:

Contract Time: 532 Days to Substantial Completion of Treatment Facility
Days Expended: 339 (To March 22, 2018); (64%)

Original Contract Amount:	$12,213,000
Change Order #1	$29,087
Change Order #2	$2,542
Change Order #3	$25,004
Current Contract Amount:	$12,269,633

Total To Date: $7,288,991; (59%)

Figure 1 - Grit Chamber Concrete Pour

Figure 2 - Interior/Main Floor Headworks Bldg.

Figure 3 - UV Disinfection Channel Completion

Figure 4 - UV Building Wall Footing Forms

Figure 5 - Completed Post EQ Tank; Leak Testing

Figure 6 - Control Bldg; Heating/Boiler System

Figure 7 - Electrical; Process Blower Equipment

Figure 8 - SBR Blowers - Aeration Piping

Figure 9 - Digester Aeration and Mixing Piping