



City of Polson

Water Resource Recovery Facility
Project Update
June 6, 2016



Update – Agenda/Outline

- Project History
- Current Project Status
 - Funding Update
- Project Schedule

Project History Review

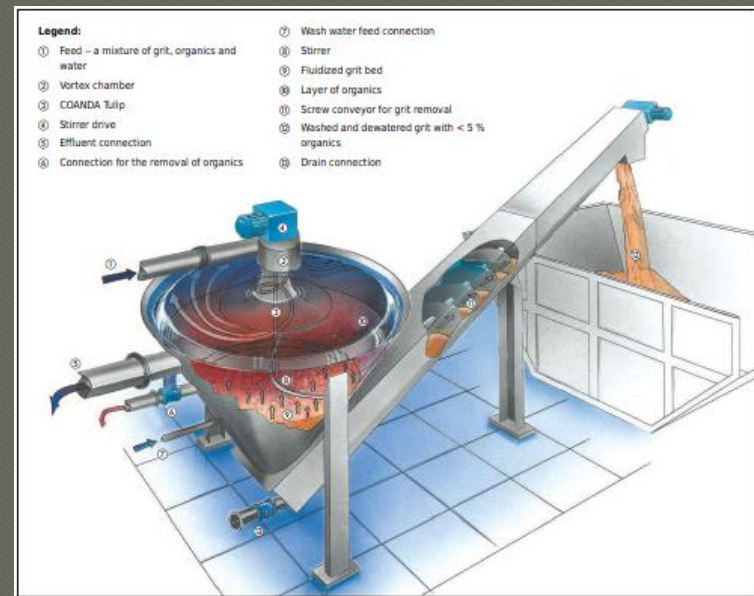
- Discharge Permit Renewal – (Jan 1, 2013 – Dec 31, 2017)
 - New Disinfection Limits, Pending Nutrient Limits?
 - Higher Level of Treatment Required
- Wastewater Facility Plan & Grant Applications - Completed April 2014
 - Selected the Membrane Bioreactor Treatment Process
- Meeting with EPA – August 2014
 - Requested Clarity on Pending Discharge Limits (Nitrogen/Phosphorous Levels)
- September 2014 - Revised Option to (Sequencing Batch Reactor – SBR)

Project History Review

- Amended the Wastewater Facility Plan – March 2015
- Complete Pre-Design Report – June 2015
- Headworks Equipment Procurement – June/July 2015
- SBR Equipment Procurement – August/Sept 2015
- Currently in Final Design

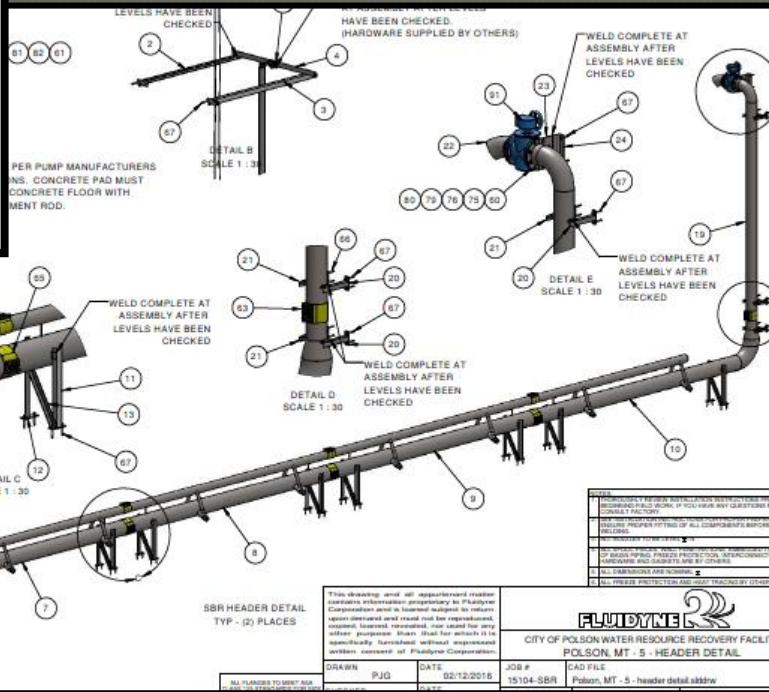
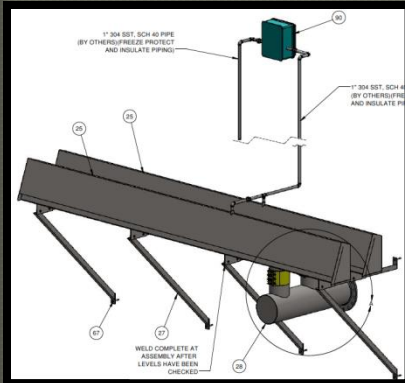
Equipment Procurement

- Headworks Equip. Procurement Complete
 - Shop Drawing Review Complete
 - Screens & Grit Removal



Equipment Procurement

- SBR (Biological Process) Procurement
 - Submittals Review/Approval In Process

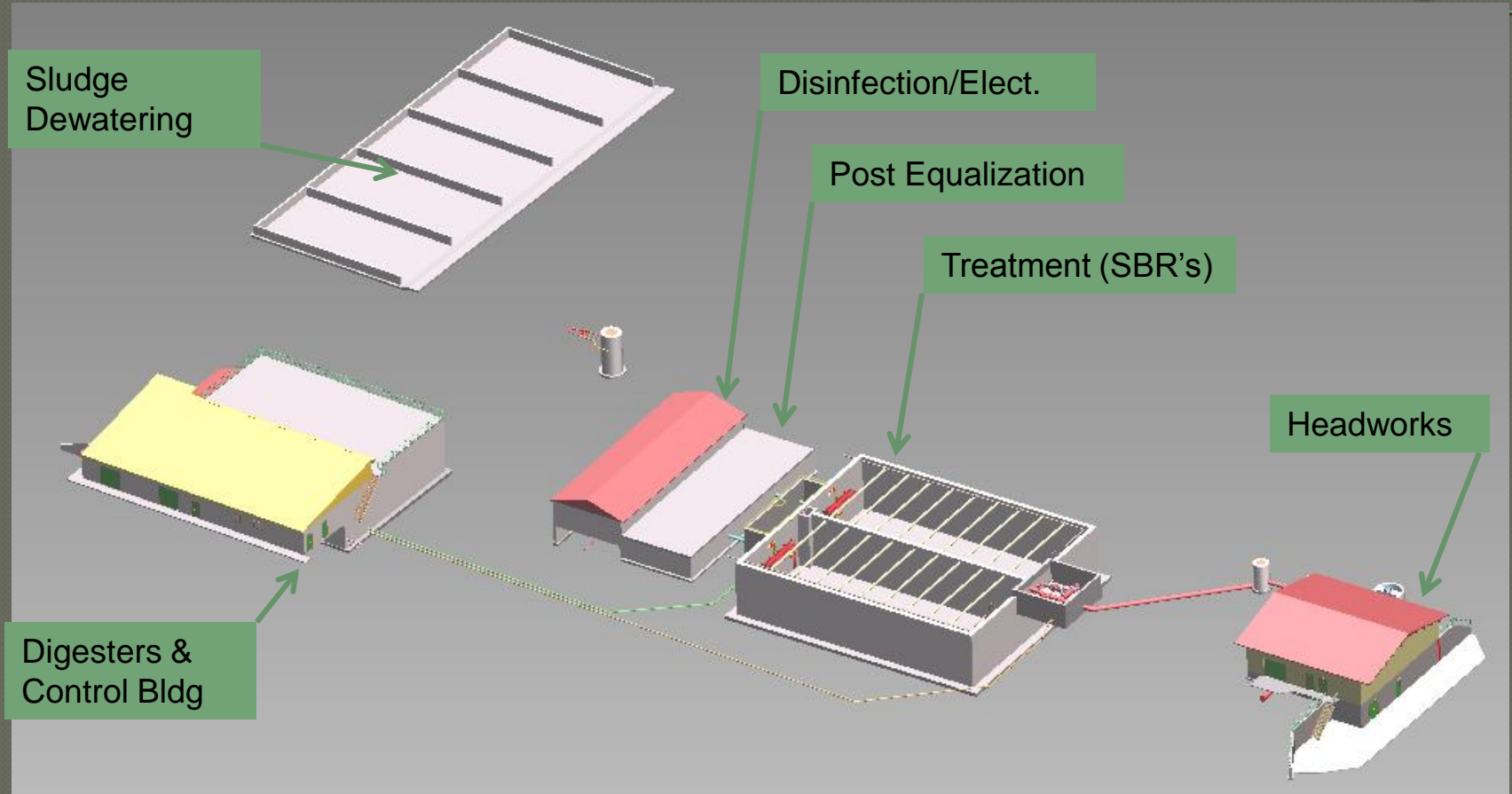


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FLUIDYNE	CITY OF POLSON WATER RESOURCE RECOVERY FACILITY POLSON, MT - 5 - HEADER DETAIL		
DRAWN P.J.G.	DATE 02/12/2018	JOB # 15104-SBR	CAD FILE Polson, MT - 5 - header detail.dwg
ALL PLACES TO BE SHOWN			



Current Design



- Deleted Influent Pump Station
- Deleted Overflow Pond
- Separated Post EQ/UV Building
- Gravity Flow In and Out of Facility

Treatment Project Funding Summary

Project Funding Summary	
Total Project Cost	\$17,200,000
TSEP Grant	\$750,000
RRGL Grant	\$125,000
CDBG Grant	\$450,000
SRF Loan (Forgiven)	\$400,000
Local Contribution	\$1,200,000
SRF Loan - Balance of Funding	\$14,300,000

Other Capital Improvements

Item Description	Total Price
Collecton System Improvements - Summary	
Gravity Sewer Mains Serving DuCharme Park on Hwy 93	\$ 299,900
Collection Mains to Golf Course LS (Priority 5)	\$ 81,900
Wal-Mart Lift Station (Priority 1)	\$ 154,700
Lake View Lift Station (Priority 2)	\$ 158,800
7th Avenue Lift Station	\$ 17,300
Riverside Park Lift Station & Force Main (Priority 4)	\$ 622,700
Slip-Line Main Btwn Golf Course & Lake View LS (Priority 3)	\$ 200,500
Total Estimated Construction Cost = \$ 1,535,800	
Des., Inspection, Const. Admin.	\$ 276,400
Legal, Admin.	\$ 30,700
Estimated Total Project Cost \$ 1,800,000	

From 2014 PER – Master Plan (PER)
 Additional Existing Sewer Capacity Challenges \$\$\$\$

Project Sewer Rate Summary

User Rate Basis	Rates
Average Sewer Rate at Beginning of Planning	\$ 20.38
Increase in 2015	\$ 22.01
Proposed Step 1 of 2 Additional Increases	\$ 14.09
Proposed Step 2 of 2 Additional Increases	9.16
Estimated Final Rate Needed	\$ 65.64

Schedule

- Design – In Process
 - 60-day DEQ Review (July – Aug, 2016)
 - 30-days; Comment Response and DEQ Approval
- Bidding Sept/Oct 2016
 - 30-day Bid Period
 - 30-days to Contracts; Notice to Proceed (Nov 1)
- Construction
 - 18-month Construction Period
 - Startup (April 2018)
 - Decommission Existing Lagoons



City of Polson

Water Resource Recovery Facility

Questions?

