

TOWN OF EASTEND WTP, RAW WATER RESERVOIR & INTAKE UPGRADES

BCL File #103.02-7B March 10, 2021

General Progress to Date

In February, project progress included:

- Mechanical work made significant progress including:
 - o Stainless steel and PVC process piping is completed except for the truck fill piping.
 - o Domestic water lines (to various taps and sinks) are completed.
 - o Chemical room equipment is mounted in place.
 - o Generator set ducting is completed.
 - o Valves and instruments are all mounted waiting on wiring.
- Electrical work also made significant progress including:
 - o Electrical distribution rough-in is nearing completion.
 - Wiring is underway.
 - o Generator set is in place waiting on wiring.
 - o Main service and metering equipment is complete.
 - o Control panels are mounted around the plant waiting on wiring.

During the next work period (month), construction is expected to include continued advancement of the mechanical and electrical work within the building. Reservoir and intake structure work is projected to resume in April provided the weather cooperates.

Progress Certificate

Progress No. 10 is certified and represents work completed to February 28, 2021. Westridge Construction Ltd. is eligible for payment in the amount of \$436,278.78.

Westridge provided their required WCB clearance and Statutory Declaration paperwork along with their invoice.

Payment in the amount of \$43,671.55 should also be made to the holdback trust account, as required by the Builder's Lien Act. Total holdback to date should be \$538,594.34 plus taxes.

Price Requests / Contemplated Change Orders

Some small changes between the electrical design allowances and construction coordination are in discussion between the electrical subcontractor, contractor, and engineers. One change was for a breaker type change for the UF control panels (\$504.85), and another is to bring power to the chain hoist location (\$4,860.77). These were emailed to the Town on March 2 for discussion at their March 10, 2021 Council meeting. These extra costs provided by Westridge and Riverside appear to be accurate reflections of the work required and BCL recommends proceeding with the work as presented.

Once the Town reviews and approves / rejects the extra costs, BCL will advise Westridge on direction.



Construction Schedule

An updated construction schedule was provided by Westridge on February 22, 2021. The updated schedule appears to be a reasonable reflection of the work required. The updated schedule is attached for Council's information. Schedule updates will be provided over the next couple months, but project completion is likely to be in May-June 2021.

Testing

No further test results have been received since the previous report.

Shop Drawings

Westridge has provided 50 shop drawing submittals to date and all have been reviewed and returned. No new shop drawings have been received since the previous report.

Photos



West side siding is complete and electrical and gas service equipment in place.

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Plant exterior is completed except for loading dock on east side.



Reservoir floor is starting to dry up; once dry the construction and liner work can resume.

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Significant progress on the pumps, piping and valves within the plant.



Most piping secured in place.

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Chemical room equipment mounting underway.



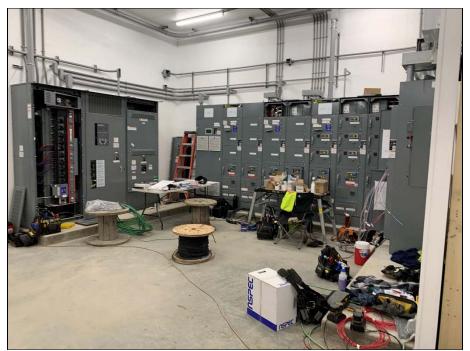
Distribution and truck fill piping.

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Electrical wiring and conduit runs.



Significant progress on wiring to MCC.

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Wiring and control panels located throughout the building.



Generator and ducting in place.

Prepared by: Matthew Feige, P.Eng.

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ID		Task Name	Duration	Start	Finish	Predecessors	Resource Names	4									2 12							
	0	i ask i valite	Duration	Statt	FIIIISII	F16060635013	vesonice Mailles	1st Qua	arter M	E	В	М	E	В	М	E	2nd Quarter B N	1	Е В	М	E	В	M E	3rd E
1		Mobilization	5 days	Mon 20-05-18	Fri 20-05-22					_						_								
2		Water Treatment Plant	263 days	Mon 20-05-25	Thu 21-06-10																		Water Treat	ment
8		Loading Dock GB	3 days	Mon 21-03-29	Wed 21-03-31	17,15										-	Loading Do	ock G	BB					+
9		Loading Dock Slab & RW	7 days	Thu 21-04-01	Mon 21-04-12	18											Lo	oadiı	ng Dock Slab 8	RW				
20		Install LD Handrails	1 day	Tue 21-04-13	Tue 21-04-13	19	Aussie										1	nstal	II LD Handrails					
42	ŧ	Treatment System Install	60 days	Mon 20-12-14	Thu 21-03-11	37	Heat								Treatn	nent Sys	em Install							
44	ŧ	Piping	45 days	Thu 21-01-07	Thu 21-03-11	43	Heat								Piping	I								
15	÷	HVAC	20 days	Thu 21-01-28	Thu 21-02-25	43FS+15 days	Heat						<u>H</u>	VAC										
16	÷	Final Pipe Connections	10 days	Fri 21-03-12	Thu 21-03-25	44	Heat									Fin	I Pipe Conn	nectio	ons					
17	ŧ	Plumbing Fixtures	5 days	Fri 21-03-26	Thu 21-04-01	45FS+20 days	Heat										Heat							
18		Pre-Start up Checks	10 days	Mon 21-04-05	Fri 21-04-16	46FS+5 days,4	l Heat											Pre	Start up Chec	ks				
49	ŧ	Generator Install	10 days	Fri 21-02-05	Fri 21-02-19	36FS+6 days,4	River					-	Genera	ator Insta	II									+
50	÷	Wire Pull	30 days	Thu 21-01-07	Thu 21-02-18	36,43	River	_				, v	Nire Pu	ull .										+
51	ŧ	Lights	10 days	Fri 21-02-19	Thu 21-03-04	50	River							Light	s									
52	Ť	Controls	20 days	Fri 21-02-19	Thu 21-03-18	50	River									Controls								
53	Ť	MCC Install	20 days	Wed 21-03-03	Tue 21-03-30	49FS+7 days	River										MCC Install							
54	÷	Final Terminations	15 days	Fri 21-03-19	Fri 21-04-09	52,50	River										Fina	al Tei	rminations					
55		Paint Pipe	10 days	Mon 21-04-05	Fri 21-04-16	46FS+5 days	R&D										+	Pai	int Pipe					+
56	÷	Final Paint Building	5 days	Mon 21-04-19	Fri 21-04-23	55	R&D												Final Paint I	Building	g			
7	÷	Paint Epoxy Floor	4 days	Tue 21-04-20	Fri 21-04-23	56SS+1 day	R&D											•	Paint Epoxy	Floor				
8		Plant Startup	10 days	Mon 21-05-03	Fri 21-05-14	48,82	All													Pla	ant Star	tup		
9		Deficiencies	9 days	Mon 21-05-17	Fri 21-05-28	58																		+



ID		Гask Name	Duration	Start	Finish	Predecessors	Resource Names															1 1 -		
	0							В	М	E	В	М	E	В	М	E	B M	E	В	M E	B M nmissioning	<u>E</u>	E	
0		Commissioning	5 days	Mon 21-05-17	Fri 21-05-21	58															minssioning			
51		Training	3 days	Tue 21-05-25	Thu 21-05-27	60	All														Training		T	
4		Demo Existing Building & System	5 days	Fri 21-05-28	Thu 21-06-03	60,61																		
55		Decommission Wells	5 days	Fri 21-06-04	Thu 21-06-10	64																		
57		Reservoir & Utilities	250 days	Mon 20-05-25	Fri 21-05-21															Re	servoir & Utilities		+	
31		Liner install	10 days	Mon 21-04-12	Fri 21-04-23	80FS-2 days,1	SECI											Li	ner instal	1				
32	†	Liner Cover	5 days	Mon 21-04-26	Fri 21-04-30	81	BuckHorn												Liner	Cover				
3		Truckfill Slab Prep	5 days	Mon 21-04-12	Fri 21-04-16	75FS-10 days												Truckfil	l Slab Pre	p q				
34		Truckfill Slab	5 days	Mon 21-04-19	Fri 21-04-23	83												Tr	uckfill Sla	ab				
35	÷	Access Road	5 days	Mon 21-04-26	Fri 21-04-30	80,84	BuckHorn												Acces	s Road				
37	÷	River Intake Mechanical	10 days	Mon 21-03-01	Fri 21-03-12	70FS+150 day	Heat								River	Intake M	echanical						+	
38	Ť	River Intake Electrical	5 days	Mon 21-03-15	Fri 21-03-19	87	River									River Inta	ake Electrica	ni e					+	
39	÷	Reserviour Intake Mechanical	10 days	Thu 21-03-18	Wed 21-03-31	72FS+155 day	Heat										Reserviour	Intake M	echanica					
90	†	Reserviour Intake Electrical	5 days	Thu 21-04-01	Thu 21-04-08	89	River										Rese	rviour Int	ake Elect	rical			+	
91		Fencing	5 days	Mon 21-05-17	Fri 21-05-21	80FS+14 days														Fen	cing		-	