

Core Area Wastewater Treatment Project Board



Monthly Progress Report- July/August 2019
September 30, 2019

North America Construction (1999) Ltd.
NAC Constructors Ltd.



Field Level Risk Assessment

























Company/Trade/Project # NAC #206	MSD Documents Used: <input type="checkbox"/> Confined Space Permit <input type="checkbox"/> Confined Space Assessment <input type="checkbox"/> Hot Work Permit <input type="checkbox"/> LRT Plan <input type="checkbox"/> JSA / SWP <input type="checkbox"/> Lock Out Form <input type="checkbox"/> Other:	Equipment Inspection: <input type="checkbox"/> AWP/TWP IIS <input type="checkbox"/> Boom-boom <input type="checkbox"/> Skid-steer <input type="checkbox"/> Crane <input type="checkbox"/> Loader <input type="checkbox"/> Excavator <input type="checkbox"/> Other:	Date: Sept 17, 2019
Evaluation Must Point(s): Primary: Front Gate Secondary: N/A			Weather: Overcast/Rainy/13° Permit #: N/A
Work Location(s): Offices Excavation	PPE Required: <input checked="" type="checkbox"/> Hard Hat <input checked="" type="checkbox"/> Safety Boots <input checked="" type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/> 90°-Visibility	<input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input type="checkbox"/> Rubber boots <input type="checkbox"/> Hearing Protection <input type="checkbox"/> Tyvek Suit	Other: <input type="checkbox"/> Other: <input type="checkbox"/> Other:
After Break Review: 1 st Initial: 10:00 am 2 nd Initial: 1:00 pm 3 rd Initial: <input type="checkbox"/>			
Assessment			
Today's Tasks – E.g. Building Concrete Paving, Paving Curb, Paving Sidewalk, etc. Site walk/inspection Working at desk E-Voc drill performed	Specific Task Hazards – Refer to Hazard Thought Logging for examples. - moving heavy equipment - slips & trips hazards - Poor ergonomics at desk - Housekeeping hazards - Electrical hazards - Loud noises from air horn - uneven ground when walking to muster point	Specific Task Controls – Refer to Control Thought Logging for examples. - Eye contact with operators - Stay out of swing radius - High VIZ vest clean and visible - Follow NAC Heavy Equip SWP - Clean shock, use proper electrical cords - wear ear plugs - walk! Footing	
Reviewed Hazard and Control Thought Logging <input type="checkbox"/>			
Risk Rating Before Controls Are In Place – Use the Risk Matrix Chart		Risk Rating After Controls Are In Place – Use the Risk Matrix Chart	
Check Off One The Following <input checked="" type="checkbox"/> 1-4 Low <input type="checkbox"/> 5-15 Medium <input type="checkbox"/> 16-25 High		Check Off One The Following <input checked="" type="checkbox"/> 1-4 Low <input type="checkbox"/> 5-15 Medium <input type="checkbox"/> 16-25 High	
FLRA Acknowledgement			
Please Print Name and Signature. Do not reprints, you understand and agree with the FLRA.			
Print Name	Print Inspection	Signature	Injured During Week Today?

Safety Moment

Field Level Risk Assessments (FLRA)

Teach employees real-time skills to maintain focus and keep safety and risk in mind.

Key Performance Indicators

Key Performance Indicators		Project Overall	WWTP	RTF	Conveyance System
Safety	Deliver the Project safely with zero fatalities and a total recordable incident frequency (TRIF) of no more than 1*.				
Environment	Protect the environment by meeting all legislated environmental requirements and optimizing opportunities for resource recovery and greenhouse gas reduction.				
Regulatory Requirements	Deliver the Project such that the Core Area complies with provincial and federal wastewater regulations.				
Stakeholders	Continue to build and maintain positive relationships with First Nations, local governments, communities, and other stakeholders.				
Schedule	Deliver the Project by December 31, 2020.				
Cost	Deliver the Project within the Control Budget (\$765 million).				

Safety is our top priority: all KPIs are central to decision-making process



WTP Safety Information: July/August

- 1 086 900 hours worked
- Total Number of Employees 543
- Recordable incident 1
- Lost time 0

19 incidents during July 2019

18 incidents during August 2019

Over 1 million hours worked on the project

Cost Management and Forecast

- Control Budget - \$775M
- Expended to Date -398.2M (52%)
- Expended in July & August - \$49.4M

Funding Source	Maximum Contribution	Funding Received in the Reporting Period	Funding Received to Date
Government of Canada (Building Canada Fund)	\$120M	-	\$61.3M
Government of Canada (Green Infrastructure Fund)	\$50M	\$3.4M	\$25.5M
Government of Canada (P3 Canada Fund)	\$41M	-	-
Government of British Columbia	\$248M	-	-
Federation of Canadian Municipalities	\$346K	-	-
TOTAL	\$459.3M	\$3.4M	\$86.8M



McLoughlin Point WWTP

Clover Point Pump Station



Geofoam roofing material installed; plumbing and formwork for the public washroom being built

Macaulay Point Pump Station and Forcemain



Structural concrete work is nearly complete, forcemain installation is progressing along Bewdley Ave.

Residuals Treatment Facility



Digesters 1 & 2 and the Digested Solids Storage tank is complete, structural steel erection is in progress.

Clover Forcemain



Forcemain installation is complete, cycle track is in progress

Residual Solids Conveyance Line



Installation continues with 6 crews that have installed 12.4 km of pipe

Balance of Works



Arbutus Attenuation Tank



Pump Stations and Bridge Crossings



Secant pile work is ongoing , & the Colquitz Creek crossing is complete and restoration is ongoing

Communications

RESIDUAL SOLIDS CONVEYANCE LINE
CONSTRUCTION TRACKING

11,824M OF PIPE INSTALLED AS OF AUGUST 23, 2019

 WORK COMPLETED

