

Weekly Report

Contract: IHPW – Access Road (Inclusive of Access Road and Pile Install)

Contractor: ONEC Group

Reporting Period: June 10

Location: Inuvik, NT

Progress Photos



Compacting First Lift



Placing Second Lift



Loading in Quarry



Horizontal Thermosyphons

Waste & Spill Management, ESC Photos (examples showing waste disposal areas, drip trays/spill kits etc., Erosion & Sediment Controls in place and in compliance with

management plans)



Drip trays under equipment

SAFETY / ENVIRONMENT:

- No safety or environmental concerns to report.
- Update from June 1 report: Department of Lands noted that spill tray weren't under all Tundra equipment when not in use. This was resolved the following day – drip trays are being placed under all equipment on both the Access Road and Pile Sites.
- **Safety Statistics: (reported from Monday to Sunday):**

	THIS PERIOD	CONTRACT TOTAL
SAFETY		
Incidents	0	0
Injuries	0	0
Near misses	0	0
Site Orientations	1	23
Sub-Contractor Orientation	0	10
Toolbox Contractor Safety Meeting	14	91
JSA/JHA/SWP	0	79
Safety/Enviro Audits (internal)	0	1
Safety/Enviro Inspections (external)	0	7
Total Work Hours On-Site	1,000*	4,750
Weather	Low -5 High +5	

* Estimated value – awaiting daily reports to finalize

DELAYS:

- Delayed Quarry blast resulting in a low volume of usable material.
- Reduced production on quarry resulting in limited material availability.

PROGRESS UPDATE:

Access Road:

Load/Haul/Place 300mm Embankment Material:

To Date: 38,972m³

34% complete

Geotextile Placement:

To Date: 104,000m²

100% complete

Pile Install:

Supply and Install Structural Fill:

To Date: 847m³

55% complete

Produce, Load, Haul, Fill-Crushed Aggregate 0-20mm (Layer 1)

To Date: 160m³

40% complete

25/25 piles installed; 25/25 vertical thermosyphons installed

Update from Arctic Foundations:

- Continued pre-fab and installation of horizontal thermosyphons
- Awaiting concrete blocks to arrive – these are stuck at the river crossing, but they are expected in the next couple of days. If these are delayed, Arctic Foundations will add refrigerant to thermosyphons for commissioning

Update on Crane Pad:

- ONEC's Surveyor had a call with GHD, Hatch, and WSP yesterday. For the crane pad and crane assembly areas, they established the construction limits with geotextile and a 400mm thick layer of blast rock and then backed off to allow Tundra and Arctic Foundations the time and space to execute their scope.

Look Ahead: Schedule update below.



No.	Activity	Responsible	2022-06-11							2022-06-18							2022-06-25							2022-07-03						
			9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2				
			R	F	S	S	M	T	W	R	F	S	S	M	T	W	R	F	S	S	M	T	W	R	F	S				
1.1	Project Management & Controls	ONEC	[Green bar]																											
1.2	Construction Support (as required)	ONEC	[Green bar]																											
2.1	Horizontal thermosyphons supply	Arctic Foundations (Tundra)	[Grey bar]																											
2.2	Horizontal thermosyphons install	Arctic Foundations (Tundra)	[Grey bar]																											
3.1	Placement & compaction 100 mm layer 1	Tundra Drilling Services	[Grey bar]																											
3.2	Sand bedding for horizontal thermistor	Tundra Drilling Services	[Grey bar]																											
4.1	Horizontal thermistor supply	Arctic Foundations (Tundra)	[Grey bar]																											
4.2	Horizontal thermistor install	Arctic Foundations (Tundra)	[Grey bar]																											
5.1	Placement & compaction 200 mm layer 1	Tundra Drilling Services	[Grey bar]																											
6.1	Supply 8" rigid	Tundra Drilling Services	[Grey bar]																											
6.2	Install 8" rigid	Tundra Drilling Services	[Grey bar]																											
7.1	Geomembrane supply	Nilex (Tundra)	[Grey bar]																											
7.2	Geomembrane install	Nilex (Tundra)	[Grey bar]																											
8.1	Geotextile supply supply	Tundra Drilling Services	[Grey bar]																											
8.2	Geotextile supply install	Tundra Drilling Services	[Grey bar]																											
9.1	Placement & compaction 200 mm layer 2	Tundra Drilling Services	[Grey bar]																											
9.2	Placement & compaction 100 mm layer 2	Tundra Drilling Services	[Grey bar]																											
10.1	Placement & compaction 300 mm layer 3	Tundra Drilling Services	[Grey bar]																											
11.1	Geotechnical compaction testing	Tetrateck	[Grey bar]																											
12.1	Supply u/g grounding	ONEC (Tentative)	[Green bar] Finish date - TBD																											
12.2	Install u/g grounding	ONEC (Tentative)	[Green bar] Finish date - TBD																											

EQUIPMENT / MATERIALS / LOGISTICS:

- **Equipment / Materials mobilized to Site this period:**
 - N/A
- **Equipment / Materials mobilized to Site next period:**
 - N/A
- **Equipment Demobilized from Site:**

Pile Install/Drill Site	Watson 2500 Drill Rig
Pile Install/Drill Site	Watson 2100 Drill Rig
Pile Install/Drill Site	Freightliner Water Truck
Pile Install/Drill Site	DEMAG AC-100 Crane
Pile Install/Drill Site	Kenworth S1194 End Dump
Pile Install/Drill Site	Mack M258 Cement Mixer

QUALITY CONTROL:

- Quality Control is being completed on site by TetraTech. TetraTech representatives are on site for Access Road and Pile Install. TetraTech’s representative is covering both sites while Arctic Foundations is performing work.
- QA activity by Owner’s Representative – none to date

MANPOWER:

- ONEC/Northland Builder Project/Construction Management on site with time split between Access Road and Pile Install sites.
- Subcontractors: TetraTech QC representative on site, Gully Holdings/Bob’s Welding providing support in Quarry and with hauling materials

Wildlife Sightings Form: No wildlife sightings this week.

Date	Time	Species	Number	Location	Notes	Name/ Company

Wildlife Monitor Form: No wildlife sightings this week.

Date (dd/mm/yyyy): _____

Observer(s): _____

Time	Species	Number ¹	Age/Sex ²	Location	UTM Coordinates	Notes	Photo ID

1- Target species:	2 – Age:	2 – Sex:	3 – Notes, where applicable
grizzly bear	Adult	Male	Weather
polar bear	Juvenile	Female	Wildlife behaviour (e.g. aggressive, fleeing, courtship, etc.)
wolverine	Other, specify	Both	Construction activity and nature of wildlife interaction with people or vehicles
gray wolf	Both	Unknown	Location (e.g. highway km)
red fox	Unknown		Indirect evidence of wildlife (e.g. mineral lick, den site, nest, tracks, scat)
arctic fox			Cause of mortality (if observed)
barren-ground caribou			
boreal caribou			
moose			
beaver			
muskrat			
rock/willow ptarmigan			
rusty blackbird			
short-eared owl			
peregrine falcon			
horned grebe			
waterfowl			

Additional notes (e.g. details on wildlife interactions or response to mitigation):

Wildlife Sightings Photos:

N/A

Water Withdraw:

None to date.

RFI's:

No new or outstanding RFI's this week.

RFI No.	Rev.	RFI Title	Date Requested	Request Due	Prepared By	Status
P211339LP-Z-RFI-001	0	Drawings/CAD Files	04/Feb/22	06/Feb/22	John Craig	Closed
P211339LP-Z-RFI-002	0	Permits	08/Feb/22	10/Feb/22	John Craig	Closed
P211339LP-Z-RFI-003	0	ROW Width	15/Feb/22	17/Feb/22	John Craig	Closed
P211339LP-Z-RFI-004	0	Clearing Boundaries	16/Feb/22	18/Feb/22	John Craig	Closed
P211339LP-Z-RFI-006	0	Culvert Installation Schedule	01/Mar/22	04/Mar/22	John Craig	Closed
P211339LP-Z-RFI-007	0	Scope Change	28/Feb/22	02/Mar/22	John Craig	Cancelled
P211339LP-Z-RFI-008	0	Culvert Installation Schedule	01/Mar/22	04/Mar/22	John Craig	Cancelled
P211339LP-Z-RFI-008	A	Witness Testing	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-009	0	Signage Location	07/Mar/22	10/Mar/22	John Craig	Closed
P211339LP-Z-RFI-010	0	Embankment Gradations	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-011	0	Finished Surface Grade	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-012	0	Culvert Elevations	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-013	0	Riprap Gradation	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-014	0	Geotextile Extents	18/Mar/22	20/Mar/22	John Craig	Closed
P211339LP-Z-RFI-015	0	Prime Contractor Clarification	20/Mar/22	22/Mar/22	John Craig	Closed
P211339LP-Z-RFI-015	A	Prime Contractor Clarification	24/Mar/22	26/Mar/22	John Craig	Closed
P211339LP-Z-RFI-016	0	Rigid Insulation	21/Mar/22	22/Mar/22	John Craig	Closed
P211339LP-Z-RFI-017	0	Supply & Install Ground Thermistors	29/Mar/22	31/Mar/22	John Craig	Closed
P211339LP-Z-RFI-018	0	SS for Highway Construction	30/Mar/22	02/Apr/22	John Craig	Closed
P211339LP-Z-RFI-019	0	IFC Drawing Clarification	15/Apr/22	18/Apr/22	Matt Pavelich	Closed
P211339LP-Z-RFI-020	0	Quality Control – Ice & Snow	01/May/22	02/May/22	Rob Adams	Closed
P211339LP-Z-RFI-021	0	Silt Material	01/May/22	02/May/22	Rob Adams	Closed
P211339LP-Z-RFI-022	0	Right Daylight Outside of ROW	03/May/22	05/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-023	0	WEC Area Crane Aggregate Base	04/May/22	05/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-024	0	Oversized Material	07/May/22	08/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-025	0	Embankment Compaction	09/May/22	11/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-026	0	WEC Foundation Subgrade Elevation	10/May/22	12/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-027	0	Excess Material Requirements	12/May/22	13/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-028	0	Overburden in Blast Area	13/May/22	14/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-029	0	WEC Foundation Footprint	17/May/22	17/May/22	Matt Pavelich	Closed
P211339LP-Z-RFI-030	0	Slurry Temperature	27/May/22	28/May/22	Matt Pavelich	Closed