



Fort Resolution Historical Pipeline Project Summary

In the 1960s, a pipeline was installed by the Government of Canada to transport heating fuel from the Great Slave Lake dock area to several buildings within the community. The pipeline was abandoned in 1974 following the extension of Highway 6 to Fort Resolution, which allowed fuel trucks to access the community. After 1974, several sections of the pipeline were reportedly removed either during decommissioning or inadvertently during construction activities.

On April 1, 2014, Fort Resolution community lands were transferred to the GNWT through the Devolution Agreement. Currently, the GNWT is conducting environmental assessment and groundwater monitoring activities within the project area.

Work Completed

From 2015 – 2023, the Department of Environment and Climate Change (ECC) completed various environmental site assessment, risk assessment and groundwater monitoring activities associated with the abandoned underground fuel re-supply pipeline. Based on the results of this work, it is estimated that approximately 1,000 m of pipeline, remains buried throughout Fort Resolution. These remaining sections may contain residual fuels.



Photo 1. Section of uncovered buried pipeline.
(Photo credit: BluMetric Environmental Inc.)

During the assessments, three additional areas of contamination were identified. These include:

- The former public works maintenance garage;
- A residential lot with an abandoned duplex residential unit; and
- The dock and beach area.

A map showing these areas has been attached to this project summary.

As a result, a groundwater monitoring program was initiated in the fall of 2020 to monitor contaminant levels in groundwater around the former public works maintenance garage and the residential lot. The program is on-going and groundwater will continue to be monitored until remediation or risk management measures are put in place.

Current Status

The GNWT issued a contract in 2023 to conduct additional environmental site assessment activities at the dock and beach area and to continue the groundwater monitoring program. The objective of this contract is to better understand site conditions at the dock and beach area, and to continue to monitor groundwater at the former public works garage and residential lot. This work is scheduled to be completed in the summer/fall of 2024.

The GNWT will require a land use permit in order to carry out the planned environmental site assessment activities. An application package is currently being prepared and will be submitted to the Mackenzie Valley Land and Water Board in March 2024.



Photo 2. Former public works maintenance garage.

Next Steps


Once the results of the 2024 environmental site assessment activities and groundwater monitoring program are known, the GNWT will complete a remedial options analysis to determine appropriate remediation and/or risk management measures for the sites. Engagement sessions will be held with interested parties to discuss and obtain feedback on remedial options. Feedback received will be used to inform decisions on the remedial actions and/or risk management measures that will be put in place.

For additional information on the Project, please contact Ms. Diep Duong, Director of Environmental Protection and Waste Management by email at diep_duong@gov.nt.ca

FORT RESOLUTION HISTORIC PIPELINE GROUNDWATER MONITORING



Legend

-  Historic Pipeline Groundwater Monitoring



0.06 0.03 0 0.06

KILOMETERS
1:6,182

REFERENCES

IMAGERY SOURCE: [HTTPS://SERVICES.ARCGIS.COM/ARCSGIS/RESTSERVICES/WORLD_IMAGERY/](https://services.arcgis.com/ARCSGIS/RESTSERVICES/WORLD_IMAGERY/MAPSERVER)
MAPSERVER

DATASET PROJECTION: NAD83, NWT LAMBERT CONFORMAL CONIC

DISCLAIMER

THIS MAP IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL
PROPERTY BOUNDARIES SHOWN MAY NOT BE EXACTLY AS SHOWN.
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