

## **Community Information**

## **Overview**

The Hamlet of Rankin Inlet is located within the Kivalliq Region of Nunavut, at general latitude 62°49′N and general longitude 92°05′W. The Hamlet is on the west coast of Hudson Bay, 96 km southwest of Chesterfield Inlet and 1088 km east of Yellowknife. The community has a population of approximately 2904 (2015). See below for population projects until 2036.

Table 1: Rankin Inlet Population Projection, 2015 – 2036 (Nunavut Bureau of Statistics, August 16, 2010)

Voor	Donulation
Year	Population
2015	2904
2016	2949
2017	2996
2018	3045
2019	3093
2020	3149
2021	3193
2022	3243
2023	3292
2024	3340
2025	3390
2026	3441
2027	3493
2028	3544
2029	3595
2030	3647
2031	3700
2032	3753
2033	3806
2034	3860
2035	3915
2036	3972

Rankin Inlet is affected by arctic air masses, and experiences a maritime Arctic climate characterized by short cool summers, and long cold winters. The Rankin Inlet area receives an average of 18.1 cm of rainfall and 107 cm of snowfall per annum. Mean annual precipitation totals 29.7 cm per annum. July mean high and low



temperatures are 14.9°C and 5.9°C, respectively. January mean high and low temperatures are -28.3°C and -35.5°C, respectively. Winds are generally northwest, and average 23 km/h.

## **Solid Waste**

The Hamlet of Rankin's Inlet Solid Waste Site is located approximately 0.5 km south of the community and approximately 0.5 km from the Hudson Bay to the east, south and west. The site consists of two main areas: a solid waste disposal area and a miscellaneous storage area. The total area of the site is almost 6 ha. The site slopes to the south and east, with elevated rock outcrops west of the site. The Solid Waste Disposal area is surrounded by a compacted sand and gravel perimeter road and a fence. Solid waste primarily consisting of municipal waste is deposited within the fenced disposal area. The solid waste disposal area has a footprint of approximately 4 ha.

Slightly to the northwest of the solid waste disposal area is a miscellaneous area that has historically been used for fire training, drum storage, sewage disposal and bulky metal storage. Some hazardous waste materials have been temporarily stockpiled in this area awaiting packaging and transport to suitable disposal facilities. The miscellaneous storage area is approximately 220 m long from the south to north, and 150 m wide at the south end. The miscellaneous storage area has a footprint of approximately 1.7 ha.

The Rankin Inlet Solid Waste Site is not an engineered landfill facility and there are no records available regarding the start date or early history of the site, however it is believed the site has been used for waste disposal since the early 1950s. Solid waste is transported to the site by municipal waste collection trucks and by residents. Typically there is no operator present at the site to direct and manage waste disposal activities.

A fence and gate was installed at the entry to the Solid Waste Site in September 2014. The gate is locked outside of the Solid Waste Site hours of operation from 9 am to 5 pm, Monday to Friday, to restrict access to the both the solid waste disposal area and the miscellaneous storage area. Refer to *Map of Solid Waste Site* for the location of the new fence. During summer 2014, waste was covered by gravel and compacted with an excavator.

The landfarm in Rankin Inlet was constructed in 2005 and is located 5 km northwest of the Hamlet. The landfarm was constructed with a liner and containment berm, and covers an area of 2100 m<sup>3</sup>. Contaminated soil is not being accepted at this landfarm and the Hamlet intends to decommission this facility during the period of the new Licence.



A second landfarm located across the road from the landfarm authorized under Water Licence No. 1BR-RAN0914 held by GN-CGS. Refer to Water Licence No. 1BR-RAN0914 for more information.

## **Water and Sewage Systems**

The Water Supply Facilities, Utilidor and Sewage Treatment Facility in the Hamlet of Rankin Inlet are authorized under a separate Water Licence held by the Government of Nunavut, Community and Government Services (GN-CGS). Refer to Water Licence No. 3AM-GRA1015 for more information.