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Personnel on site: 1
Days on site: 1000
Total Person days: 1000
Period of operation: from 2017-06-09 to 2024-05-01
Proposed term of operation: from 2024-05-01 to 2024-05-01

Hulilukaarutit

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
GRA-1 Nipissar Lake Water Supply	Sampling sites	Municipal	Location of Nipissar Lake Pumphouse and intake for the community water supply. Water is transported via underground pipeline to the Williamson Lake Pumphouse in Rankin Inlet for treatment and distribution.	No known archaeological/paleontological value.	With Hamlet of Rankin Inlet Municipal Boundaries.
GRA-6 Char River Water Pumped to Nipissar Lake	Sampling sites	Municipal	Current intake location for seasonal resupply pipeline.	No known archaeological/paleontological value.	With Hamlet of Rankin Inlet Municipal Boundaries.
GRA-7 Lower Landing Lake (approximate proposed pumping location)	Sampling sites	Municipal	Proposed intake location and extension of seasonal intake. Lower Landing Lake feeds Char River.	No known archaeological/paleontological value.	With Hamlet of Rankin Inlet Municipal Boundaries.
GRA-3 Sewage Treatment Facility	Waste disposal	Municipal	Sewage Treatment Facility - samples are collected from within the building before effluent discharge to Prairie Bay, Hudson Bay.	No known archaeological/paleontological value.	Within Hamlet of Rankin Inlet Municipal Boundaries.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Kangirliniq	Megan Lusty	Hamlet Council - update on current water volumes in Nipissar Lake and intention to move intake to Lower Landing Lake, pending regulatory approvals.	2017-01-30

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq

Kivalliq

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Imaligiyyit Katimayit	Type 'A' Water Licence 3AM- GRA1624	Active	2016-05-02	2024-05-01
Alaanut	Nunavut Planning Commission - NPC File #148311, 3AM- GRA1624 GN-CGS Rankin Inlet Water Licence Amendment. Project proposal conforms to the KRLUP. NPC determined significant modification to the project and screening is required by the NIRB.	Active	2016-06-19	
Alaanut	NIRB Screening Decision Report, File #13UN037. Screening decision for the GN- CGS "Hamlet of Rankin Inlet: Amendment Application - Seasonal Replenishment of Nipissar Lake".	Active	2014-06-26	
Alaanut	NIRB Exempt from screening, File #13UN037. Application Exempt from the Requirement for Screening pursuant to Section 12.4.3 of the NLCA: GN-CGS "Hamlet of Rankin Inlet: Amendment Application - Seasonal Replenishment of Nipissar Lake".	Active	2015-05-27	

Ihvaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanarutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atugtauniarmangaa
Diesel powered generator	1	75hp, same as currently used	Power pump for water transfer from Char River/Lower Landing Lake to Nipissar Lake
Pump	1	Maximum 0.04 m3/s, same as currently used	Pump for water transfer from Char River/Lower Landing Lake to Nipissar Lake
Floating Intake	1	Conforms with DFO Guidelines, same as currently used	Water intake from Char River/Lower Landing Lake
Seacan	1	20ft, same as currently used	Houses pump and generator at Char River/Lower Landing Lake
Pipeline	1	4.05km (same as currently used) + 0.2km (new, to be installed upon approval)	Overland resupply pipeline from Char River/Lower Landing Lake

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Diesel	fuel	1	250	250	Gallons	Generator

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
3485	Seasonal floating intake	Lower Landing Lake

Iqqakuq

Ikkakunik Munakgiyayunik

Havauhikhaq Huhulukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Waste disposal	Anaagun (inuin anaaguin)	772,000 m3 (projected 2024 volume)	Discharge to Prairie Bay, Hudson Bay.	Wastewater Treatment Plant with Monster Augers

Avatiliriniqmut Ayurhautingit:

Rankin Inlet water consumption has exceeded natural recharge to Nipissar Lake for many years. The overland resupply pipeline from Char River was constructed to supplement the water in Nipissar Lake, to prevent further decrease in water level. The “Nipissar Lake and Lower Landing Lake Water Balance Assessment” by Golder Associates (attached) details the suitability of Lower Landing Lake to provide supplementary water to Nipissar Lake for a significantly longer term than the current Water Licence 3AM-GRA1624 expiry on May 1, 2024. Using Nunavut Bureau of Statistics population projects, the required supplementary water volumes are not expected to exceed 10% of the flow in Char River until 2082, using current per capita consumption rates. Water samples collected in 2014, 2015 and 2016 have determined that Lower Landing Lake, Char River and Nipissar Lake all have similar water chemistry. The Water Pumping Adaptive Management Plan details this monitoring and is also attached.

Oanurittuq Ittunik Avatinga: Avatingalluanga

Oanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Danurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Naunaiivainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Tamatkiumayunik Ihuikgutivaktunik

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

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Piiqtauniq																								
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(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

Project Map

