NIRB Application for Screening #125993

Renewal and Amendment of the Municipality of Resolute Bay Solid Waste Facility, Water License # 3BM-RES2025

Application Type:	New
Project Type:	Municipal and Industrial Development
Application Date:	Tuesday, April 8, 2025
Period of operation:	from 2029-10-02 to 2048-10-01
Project Proponent:	Community Support Division Government of Nunavut p.o. box 700 station 1000 Iqaluit Nunavut x0a0h0 Canada Phone Number:: 867-975-5478, Fax Number::

DETAILS

Non-technical project proposal description

English: The Government of Nunavut Department of Community and Government Services, on behalf of the Municipality of Resolute Bay, is applying to amend water license 3BM-RES2025 to upgrade the solid waste facility to improve alignment with regulatory conditions, improve operations, and prolong the useful life of the facilities. A business case for the landfill upgrades has been completed, which the recommendations of will be taken into detailed design of the facility. The location and footprint of the solid waste facility will remain the same, but the upgrades are intended to improve regulatory compliance by addressing the following: stormwater management and ditching to divert water from the landfill; waste containment and segregation by berming the existing landfill areas and establishing a drop-off area; and installation of fencing to improve containment. Facility construction is expected to begin in 2026 and be completed in 2027.

French: Le ministère des Services communautaires et gouvernementaux du gouvernement du Nunavut demande, au nom de la municipalité de Resolute Bay, la modification du permis d'utilisation de l'eau 3BM-RES2025 afin de moderniser l'établissement de gestion des déchets solides pour améliorer sa conformité aux conditions règlementaires et ses opérations et prolonger sa durée de vie utile. Une analyse de rentabilité pour la modernisation du site d'enfouissement a été réalisée, et les recommandations en découlant seront prises en compte dans la conception détaillée de l'établissement. L'emplacement de l'établissement de gestion de déchets solides et son empreinte resteront les mêmes; les travaux visent à en améliorer la conformité règlementaire en corrigeant les points suivants : gestion des eaux pluviales et aménagement de fossés pour détourner l'eau du site d'enfouissement; confinement et ségrégation des déchets en délimitant les zones d'enfouissement existantes et en établissant une zone de dépôt; et installation de clôtures pour améliorer le confinement de déchets. Le chantier devrait commencer au début de 2026 et être terminé en 2027.

Inuktitut: ᓄᓇᕗᑦ ᒐᕙᒪᖕᒐᓐᓂ ᓄᓇᓕᖕᓂ ᒐᕙᒪᒃᑯᓐᓂᓗ ᐱᔨᑦᑎᕋᖅᑎᒃᑯᑦ, ᑭᒡᒐᖅᑐᖅᓱᒋᑦ Hᐋᓪᓚᒋᔭᐅᔪᑦ ᖃᐅᓯᐃᑦᑐᒥᐅᑦ, ᐱᓇᔪᒃᐳᑦ ᐊᓯᔾᔨᕆᐊᖅᓯᔪᒪᓪᓗᑎᒃ ᐃᒪᕐᒧᑦ ᐱᔪᓇᐅᑎᒋᔭᐅᔪᒥᒃ 3BM-RES2025 ᓄᑖᙳᕆᐊᖅᑎᑦᑎᔪᒪᓪᓗᑎᒃ ᑕᖏᓐᖓᓄᑦ ᐊᑐᒐᒃᓴᐅᔪᓐᓃᖅᑐᓄᑦ ᐃᓂᒧᑦ ᐱᐅᓯᕆᐊᖅᑎᑦᑎᔪᒪᓪᓗᑎᒃ ᐊᑕᐅᔫᓐᓇᒃᑰᖅᑎᑕᐅᔪᓂᒃ ᒪᓕᒋᐊᖃᖅᐸᒃᑐᓄᑦ ᖃᓄᐃᓕᖓᓂᕆᔭᐅᔪᓄᑦ, ᐱᐅᓯᕆᐊᖅᑎᑦᑎᔪᒪᓪᓗᑎᒃ ᐊᐅᓚᓂᕆᔭᐅᔪᓂᒃ, ᐊᑕᐅᔫᓐᓇᒃᑰᖅᑎᑦᑎᓗᑎᓪᓗ ᐊᑐᕈᓐᓇᕐᓂᕆᔭᖏᓐᓂᒃ ᑕᒪᒃᑯᐊ ᐃᓂᒋᔭᖏᓐᓂᒃ. ᐱᓕᕆᐊᒃᓴᕆᔭᐅᔪᖅ ᐊᒃᑕᕐᕕᖕᒧᑦ ᓄᑖᙳᕆᐊᖅᑕᐅᓂᕐᒧᑦ ᐸᐊᓂᒃᑕᐅᓯᒪᓕᖅᑐᖅ, ᐊᑐᓕᖅᑯᔭᐅᔪᓗ ᐱᓕᕆᐊᖑᓛᖅᓱᑎᒃ ᑐᑭᓯᓇᕐᓗᑎᒃ ᐋᖅᑭᒃᓯᒪᓂᒃᓴᖏᑦ ᐱᓕᕆᕝᕕᐅᔪᒥᑦ. ᐊᒃᑕᕐᕕᐊᓘᑉ ᐊᖏᑎᒋᓂᖓ ᓱᕐᕋᔾᔮᙱᑦᑐᖅ, ᑭᓯᐊᓂ ᓄᑖᙳᕆᐊᖅᑕᐅᒋᐊᖃᕐᓂᐊᖅᑐᑦ ᐱᐅᓯᕆᐊᖅᑕᐅᖁᓪᓗᒍ ᒪᓕᒐᖅᑎᒍᑦ ᒪᓕᒃᑕᐅᒋᐊᖃᕐᓂᖏᑦ ᐅᑯᐊ ᓴᖅᑭᓪᓗᒋᑦ: ᓯᓚᓐᒥᙵᖅᑐᖅ ᐃᒪᖅ ᐊᐅᓚᑕᐅᔪᓐᓇᕐᓗᓂ ᑰᕝᕕᓕᐅᕐᓗᒍᓗ ᐊᒃᑕᕐᕕᐊᓘᑉ ᓯᓚᑖᓄᑦ; ᐊᒃᑕᕐᕕᐊᓗᐃᑦ ᐊᓪᒍᕐᓗᒋᑦ ᑰᕝᕕᓕᐅᕐᓗᒍ ᐊᒃᑕᕐᕕᐊᓘᕙᕆᖅᑐᖅ ᓴᓇᔭᐅᓗᓂᓗ ᐊᒃᑕᒍᓂᒃ ᐃᒋᐅᖅᑲᐃᕝᕕᒃ; ᐊᒻᒪᓗ ᓴᐳᓕᖅᓯᕐᓗᒍ ᐊᑕᐅᔫᓐᓇᕐᑏᑎᕆᐊᕐᓗᒋᑦ ᐊᒃᑕᕐᕕᐊᓗᙳᕐᑎᑦᑐᑦ. ᐃᒡᓗᕐᔪᐊᖅ ᓴᓇᔭᐅᓯᒋᐊᓖᕋᓱᒋᔭᐅᔪᖅ 2026−ᒥ ᐱᐊᓂᒃᑕᐅᓛᖅᓱᓂᓗ 2027−ᒥ.

Inuinnaqtun: Kavamakut Nunavunmi Havagvia Nunalingni Pivikhautikkut Havagvia, kivgaqtuqhugit Haamlanga Ausuittuq, uuktuqtut ihuaqhaqlugu imakut laisia 3BM-RES2025 nutaanguqtiqlugu iqakunik igluqpaa ihuaqhijuumiqlugu nalaumaliqlugu maliganun qanuriniinun, ihuaqhijuumiqlugit auladjutit, hivituqjuumiqlugit atungnirit atukhaarnirmun najugait. Nanminikkut pihimajut iqakurrvitt nutaanguqtirutait iniqtaujut, kitut pituidjutit havaktauniaqtut naunaijattiaqlugit idjuhiit ikqakuurviit. Najugainun naunaijautait iqakuurviit najugait aadjikiingniaqtut, kihimi nutaanguqtirnirmun ihumagijaujut ihuaqhilugit maligahanun maligahat imaa uqautigilugit: hapkua: imarmun munaridjutit ukualu algaklugit ahiaguuriangini imap aulaniit iqakuurvingmin; iqakkut iluaniitut ukualu ikualaviit imaa hapukvikhaliuqlugit atuqtaujut iqakuurviit najugait havaklugillu iqakunik-iqqaiviit najugait; iliuraqlugit hapuqutit ihuaqhijuumiriangani ilua. Igluqpait napaqtirutait niriuktaujut aularutilutik uvani 2026mi iniqtaulutiklu uvani 2027mi.

Personnel

Personnel on site: 10

Days on site: 73

Total Person days: 730

Operations Phase: from 2026-07-01 to 2029-10-01

Operations Phase: from 2029-10-02 to 2048-10-01

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
New solid waste facility, located on the northwest side of the Municipality. A new access road will be constructed to reach the site.	Municipal and Industrial Development	Municipal	N/A	N/A	<10 kilometers

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Resolute Bay	Ian Dudla	Hamlet SAO	2024-08-21
Resolute Bay	Municipal Council for Resolute Bay	Council presentation was presented. Council Motion pending.	2025-03-24

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Nunavut Water Board	Water License 3BM-RES2025	Active	2020-03-30	2025-03-29

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Personnel and goods will be flown in by air	
Water	Large items will arrive via Sealift	
Land	Items will be transported to site via road	

Project accomodation types

Community

Other,

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Heavy	2	xyz	Front end loader/bulldozer and excavator for ditching, grading, and material moving
Vibratory roller	1	xyz	Compaction of soils
Pick up truck	1	xyz	Transport of wastes from community to solid waste facility for operations phase
Aggregate	1	xyz	For the onsite earthworks. The source of the granular material will be the existing quarry as understood by the local Council. It is understood that there is sufficient quantities of material within the local quarry.
Granular	1	xyz	For the onsite earthworks during construction. For landfill cover material during operations. The source of the granular material will be the existing quarry as understood by the local Counci
Waste Incinerator	1	xyz	For onsite waste burning and removal.

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	10000	10000	Liters	Used to fuel heavy equipment during construction

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	Water withdrawal and wastewater discharge are authorized under the water license 3AM-RUT2035.	

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Landfill	Combustible wastes	60 kg annually for the operations phase only	Incinerator	Capping
Landfill	Hazardous waste	0.62 cubic metres per capita per year	Store in sea cans. Backhaul to an approved facility for final disposal.	Segregate from household and non-combustible wastes.
Landfill	Non-Combustible wastes	3.16 cubic metres per capita per year	Store in landfill. Compact and cover with granular material.	Segregate from household (combustible) solid waste.

Environmental Impacts:

All environmental regulations will be followed as laid out in the water license 3BM-RES2025

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

This is critical municipal infrastructure within the municipal bounds.

Description of Existing Environment: Physical Environment

This is critical municipal infrastructure within the municipal bounds.

Description of Existing Environment: Biological Environment

This is critical municipal infrastructure within the municipal bounds.

Description of Existing Environment: Socio-economic Environment

This is critical municipal infrastructure within the municipal bounds.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

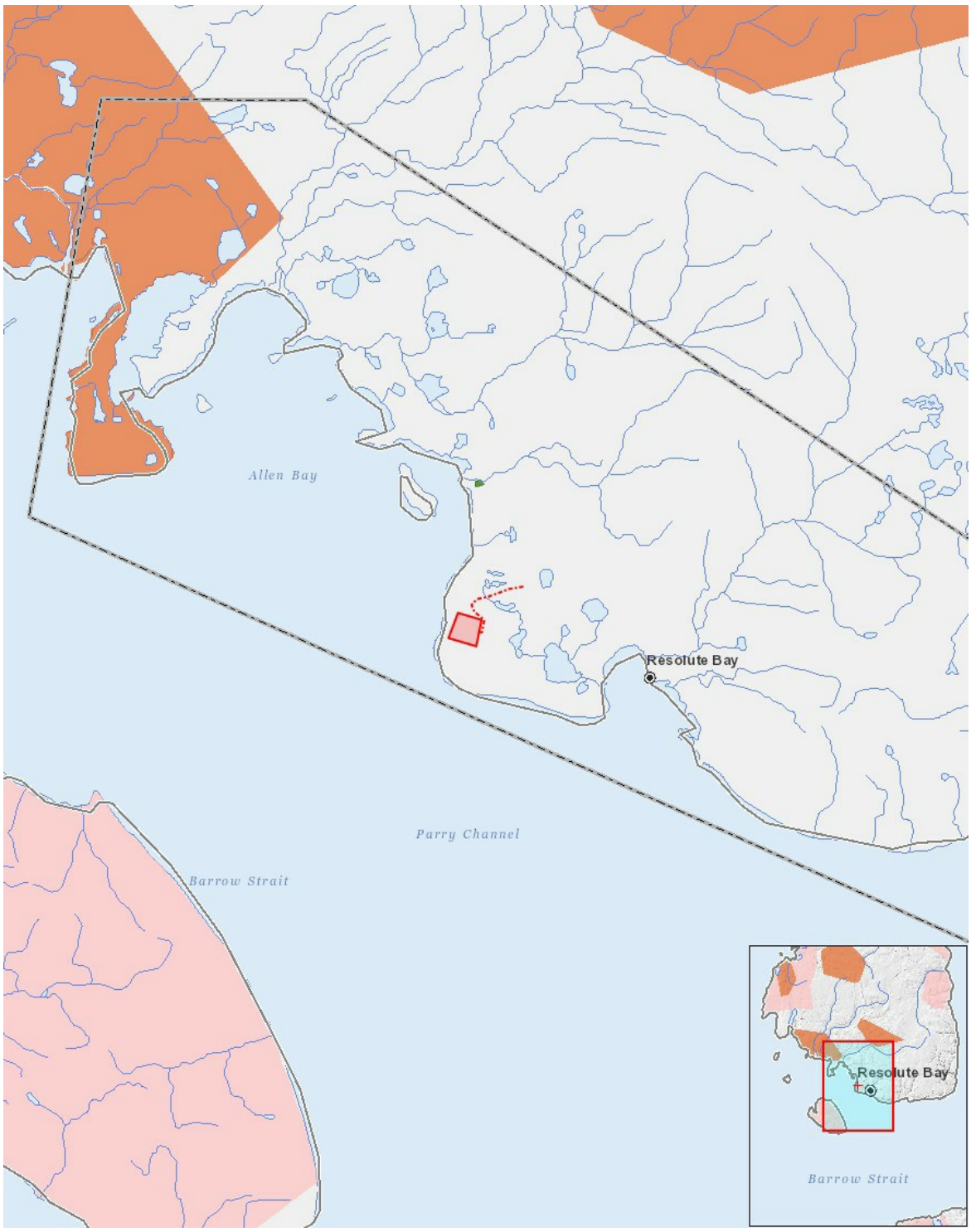
Impacts

Identification of Environmental Impacts

	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Construction																									
Municipal and Industrial Development		-	-	-	-	P	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Operation																									
Municipal and Industrial Development		-	-	-	-	P	-	-	-	-	-	P	-		P	P	P	P	P		P	P	P	P	P
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

1	polygon	New solid waste facility, located on the northwest side of the Municipality. A new access road will be constructed to reach the site.