



Demande de la CNER faisant l'objet d'un examen préalable #125614

Kivalliq Hydro-Fibre Link Baseline Research

Type de demande : New

Type de projet: Scientific Research

Date de la demande : 5/17/2021 12:40:03 PM

Period of operation: from 0001-01-01 to 0001-01-01

Autorisations proposées: from 0001-01-01 to 0001-01-01

Promoteur du projet: Kono Tattuninee
Kivalliq Inuit Association
32-4 Sivulliq Ave. P.O. Box 340
Rankin Inlet NU X0C 0G0
Canada
Téléphone :: (867) 645-5725, Télécopieur ::

DÉTAILS

Description non technique de la proposition de projet

Anglais: Applicant Kivalliq Inuit Association 32-4 Sivulliq Ave. P.O. Box 340 Rankin Inlet, NU X0C 0G0 Details The Kivalliq Hydro-Fibre Link (KHFL) is a renewable energy and broadband internet infrastructure project led by the Kivalliq Inuit Association (KivIA) of Nunavut. The Project will connect communities of the Kivalliq region of Nunavut (Arviat, Baker Lake, Chesterfield Inlet, Rankin Inlet and Whale Cove) to the Manitoba electricity and fibre-optic grids. A number of proposed fieldwork activities are required to support ongoing project design, evaluation and development of the Kivalliq Hydro-Fibre Link (KHFL). These activities are focused on gathering information about the wildlife biology, vegetation, aquatics and geomorphology and permafrost conditions of the region. The results from these activities will enhance understanding of the current environment of the region and, ultimately, contribute baseline information to submissions that may be made to environmental regulatory agencies for licenses and permits. The Kivalliq Hydro-Fibre Link proposed development corridor follows a “speculative linear infrastructure corridor” identified in the Draft Nunavut Land Use Plan (NPC 2016). The proposed fieldwork activities will occur within this speculative linear infrastructure corridor during the summer, fall, winter, and late winter of 2021 and 2022 consistent with regulatory stipulations respecting wildlife migrations. Potential wildlife disturbances during ground activities and helicopter overflights will be reduced as much as possible. Where research activities require ground access field teams will be consolidated to minimize disturbance. Ground activities will be typically limited to groups of three people and contained within the proposed development corridor. Researchers will avoid known important wildlife locations (e.g., nests) and will travel with local Inuit Wildlife Monitors who will be responsible for spotting wildlife and taking action to avoid crew interactions with wildlife. Where overflights or aerial survey are contemplated, altitudes will be maintained to ensure animals are not dispersed, and any circling will be minimal at an altitude sufficient to not cause disturbance. Helicopter flights, installation of equipment, and aquatic habitat investigations will adhere to guidelines issued by the responsible regulatory authority to minimize effects.

Français: N/A

[illegible]

Personnel

Personnel on site: 5

Days on site: 30

Total Person days: 150

Operations Phase: from 2021-04-23 to 2023-04-23

Activités

Emplacement	Type d'activité	Statut des terres	Historique du site	Site à valeur archéologique ou paléontologique	Proximité des collectivités les plus proches et de toute zone protégée
KHFL proposed development corridor	Baseline data	Inuit Owned Surface Lands	N/A	N/A	Arviat, Whale Cove, Rankin Inlet, Chesterfield Inlet, Baker Lake, McConnell River (Kuugaarjuk) Migratory Bird Sanctuary, Inuujarvik Territorial Park, and Iqalugaarjuup Nunanga Territorial Park.

Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Arviat	Mayor Joe Savikataaq Jr.	Hamlet of Arviat	2020-07-16
Whale Cove	Mayor Percy Kabloona	Hamlet of Whale Cove	2020-07-16
Rankin Inlet	Mayor Harry Towtongie	Hamlet of Rankin Inlet	2020-07-16
Chesterfield Inlet	Mayor Bernie Aggark	Hamlet of Chesterfield	2020-07-16
Baker Lake	Mayor Richard Aksawnee	Hamlet of Baker Lake	2020-07-16
Arviat	Daniel Kablutsiak	Arviat Hunters and Trappers Organization	2020-07-28
Baker Lake	Richard Aksawnee	Baker Lake Hunters and Trappers Organization	2020-07-28
Chesterfield Inlet	Harry Aggark	Aqigiq Hunters and Trappers Organization	2020-07-28
Rankin Inlet	Harry Ittinuar	Kangiqliniq Hunters and Trappers Organization	2020-07-28
Whale Cove	Simon Enuapik	Issatik Hunters and Trappers Organization	2020-07-28
Rankin Inlet	Stanley Adjuk	Kivalliq Wildlife Board	2020-07-29

Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Transboundary
Kivalliq

Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Gouvernement du Nunavut, ministère de l'Environnement	Wildlife Research Permit	Not Yet Applied		
Pêches et Océans Canada	Fish for Scientific Purposes Permit	Not Yet Applied		
Office des eaux du Nunavut	Approval to Use Water/Deposit Water Without a License	Not Yet Applied		
Government of Nunavut, Department of Culture, Language, Elders, and Youth	Archaeology and Paleontology Research Permit, Class I	Not Yet Applied		
Kivalliq Inuit Association	Exemption Certificate	Not Yet Applied		
Affaires autochtones et Développement du Nord Canada	Class B Land Use Permit	Not Yet Applied		
Institut de recherche du Nunavut	Physical and natural sciences license & Social sciences research license	Not Yet Applied		

Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Air	helicopter	
Land	snowmobile and ATV	

Project accomodation types

Collectivité

Utilisation de matériel

Équipement à utiliser (y compris les perceuses, les pompes, les aéronefs, les véhicules, etc.)

Type d'équipement	Quantité	Taille – Dimensions	Utilisation proposée
Autonomous Recording Units	25	22x17x8	Provide data on song and waterbird presence
Helicopter	1	4 passengers	Overflights of proposed development corridor and crew transport between research sites
Ground temperature sensors	10	2x120x2	Ground temperature sensors will be installed to understand active layer dynamics and sensitivity to climate change.
Reconyx Remote Camera	30	15X25X 10	Recording photos of wildlife
Backpack electrofisher	2	20x36x12	Fish community assessment
YSI 556 multi-meter	1	15x5x10	Assess water chemistry
Lamotte 2020e turbidity meter	1	15x5x10	Assess water chemistry
Backpack-portable permafrost drill	2	81x66x52	Assess soil and ground ice conditions

Décrivez l'utilisation du carburant et des marchandises dangereuses

Décrivez l'utilisation de carburant :	Type de carburant	Nombre de conteneurs	Capacité du conteneur	Quantité totale	Unités	Utilisation proposée
Aviation fuel	fuel	28	205	5740	Liters	Overflight of proposed development corridor and crew transport between research sites

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
0		

Déchets

Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Baseline data	Déchets combustibles	less than one kilogram	Packaging associated with sampling materials will be collected and disposed at municipal waste sites	none applicable

Répercussions environnementales :

Potential for wildlife disturbance during ground activities and helicopter overflights. Where research activities require ground access field teams will be consolidated to minimize disturbance. Ground activities typically limited to groups of three people along proposed development corridor. Researchers will avoid known important wildlife locations (e.g., nests) and will travel with local Inuit Wildlife Monitors who will be responsible for spotting wildlife and taking action to avoid crew interactions with wildlife. Helicopter altitude will ensure that animals are not dispersed, and any circling will be minimal at an altitude sufficient to not cause disturbance. Helicopter flights, installation of equipment, and any aquatic habitat investigations will adhere to guidelines issued by the responsible regulatory authority to minimize effects. Any packaging associated with sampling materials will be collected and removed from site and disposed of in acceptable municipal waste disposal facilities.

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

Description de l'environnement existant : Environnement physique

N/A

Description de l'environnement existant : Environnement biologique

N/A

Description de l'environnement existant : Environnement socio-économique

N/A

Miscellaneous Project Information

N/A

Identification des répercussions et mesures d'atténuation proposées

N/A

Répercussions cumulatives

N/A

Impacts

Identification des répercussions environnementales

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Exploitation																									
Baseline data	-	-	-	M	-	-	-	-	-	-	-	-	M		M	M	M	M	M		-	P	-	-	-
Désaffectation	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-

(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

Site du projet



Liste des géométries de projet

1	polygon	KHFL proposed development corridor
---	---------	------------------------------------