

**Demande de la CNER faisant l'objet d'un examen préalable #125365**  
**Characterizing Iqaluit's baseline municipal wastewater contaminant loadings to the marine environment**

# DÉTAILS

## Description non technique de la proposition de projet

Anglais: Added as attached file.

Français: Added as attached file.

Inuktitut: Added as attached file.

## Personnel

Personnel on site: 2

Days on site: 21

Total Person days: 42

Operations Phase: from 2018-08-26 to 2022-03-25

## 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
Possible Reference Site	Sampling sites	Marine	Site of continuous effluent release by the City of Iqaluit for many years.	Not known.	Adjacent to the City of Iqaluit wastewater treatment plant.
Possible Reference Site	Sampling sites	Marine	Not known.	Not known.	Located near Iqaluit, but outside the Sylvia Grinnell Territorial Park.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site in effluent plume	Sampling sites	Marine	Active shipping lane.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site at possible farthest extent of effluent plume	Sampling sites	Marine	Active shipping area.	Not known.	Close to City of Iqaluit and proposed new harbour.
Sampling site at possible farthest extent of effluent plume	Sampling sites	Marine	Active shipping area.	Not known.	Close to City of Iqaluit and proposed new harbour.

### Engagement de la collectivité et avantages pour la région

Collectivité	Nom	Organisme	Date de la prise de contact
Iqaluit	Matthew Hamp	City of Iqaluit	2018-05-07
Iqaluit	Christopher Lewis	Department of Fisheries and Oceans	2018-05-01
Iqaluit	Pitseolak Alainga	Amaruq Hunters and Trappers Association	2018-05-01

## Autorisations

Indiquez les zones dans lesquelles le projet est situé:

South Baffin

### Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Information is not available				

### Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Water	Boat and snowmobile in winter	

### 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
Manta trawl	1	2m by 1m	Skim water surface for microplastic sampling

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
Information is not available						

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
Researching	Eaux usées (matières de vidange)	2L of effluent each year of study	Filtrate collected from wastewater effluent will be filtered for microbial analysis at a lab located at the NRI. Resulting filtrate will be sterilized (isopropyl alcohol or bleach) and disposed of down the drain, or stored for disposal back at the wastewater plant, depending on NRI preference or policy.	If available, we will also autoclave the waste.

## Répercussions environnementales :

There should be no environmental impacts from the proposed sampling program.

# **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**

**Description de l'environnement existant : Environnement biologique**

**Description de l'environnement existant : Environnement socio-économique**

**Miscellaneous Project Information**

**Identification des répercussions et mesures d'atténuation proposées**

Our study should result in no impacts to ecosystems or human health.

**Répercussions cumulatives**

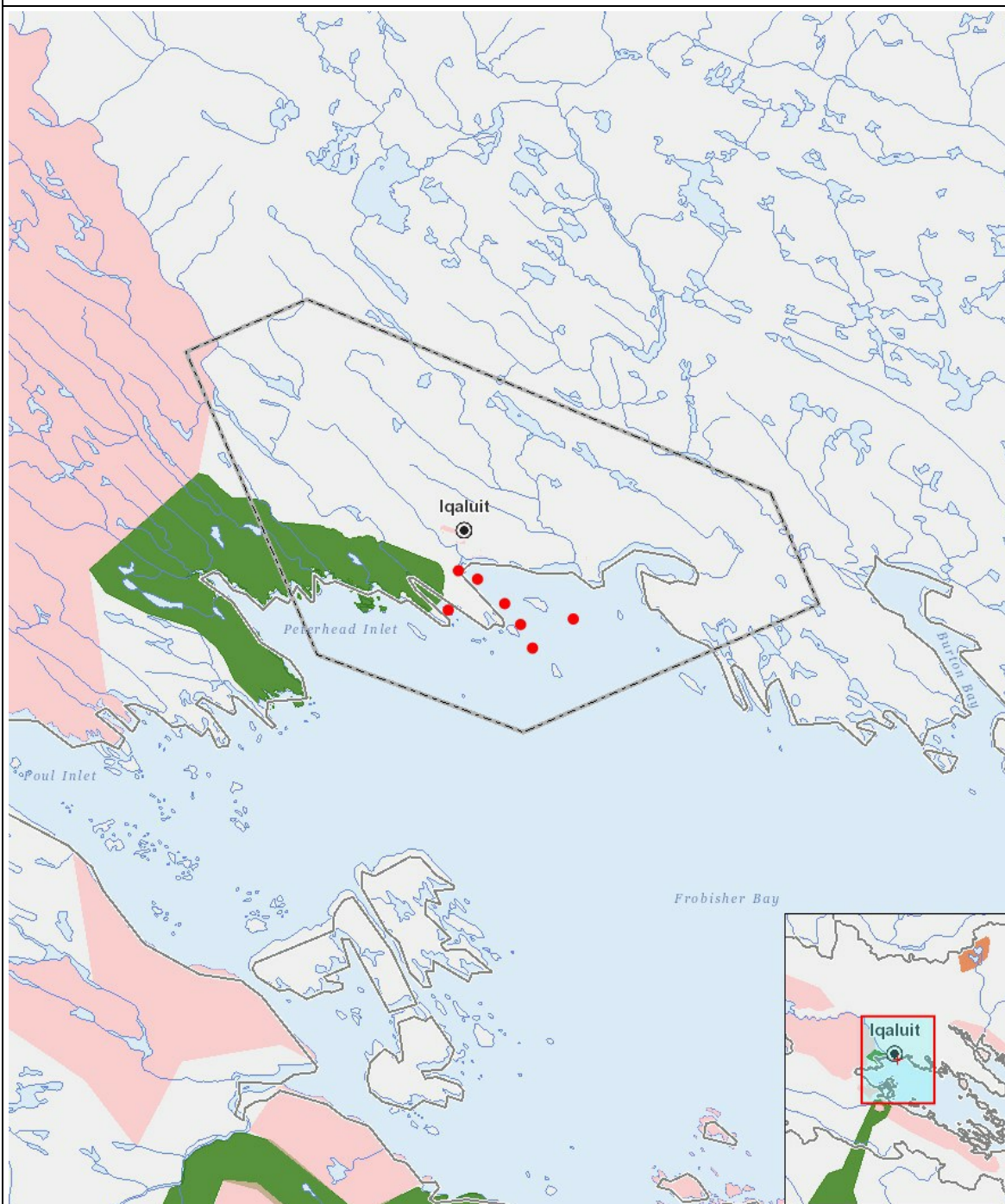
Impacts

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Désaffectation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

## PROJECT MAP



## LIST OF PROJECT GEOMETRIES:

- |   |       |   |
|---|-------|---|
| 1 | point | Possible Reference Site   |
| 2 | point | Sampling site in direct City of Iqaluit wastewater effluent release |
| 3 | point | Sampling site in effluent plume                                     |
| 4 | point | Sampling site in effluent plume                                     |
| 5 | point | Sampling site in effluent plume                                     |
| 6 | point | Sampling site at possible farthest extent of effluent plume         |
| 7 | point | Sampling site at possible farthest extent of effluent plume         |