

<b>Type de demande :</b>	New
<b>Type de projet:</b>	Scientific Research
<b>Date de la demande :</b>	6/19/2018 4:24:47 PM
<b>Period of operation:</b>	from 0001-01-01 to 0001-01-01
<b>Autorisations proposées:</b>	from 0001-01-01 to 0001-01-01
<b>Promoteur du projet:</b>	Jared Ellenor Univeristy of Waterloo ESC-222B 200 University Avenue West Waterloo Ontario N2L 3G1 Canada Téléphone :: 6042408269, Télécopieur ::





## 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
Region encompassing wastewater system and potential reference systems	Researching	Municipal	N/A	N/A	Wastewater treatment system is in the community of Baker Lake. Research conducted on land ranging in status, and includes municipal, Inuit owned surface and sub-surface, and crown land.

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

Collectivité	Nom	Organisme	Date de la prise de contact
Information is not available			

## Autorisations

Indiquez les zones dans lesquelles le projet est situé:

Kivalliq

### Autorisations

Organisme de régulation	Description des autorisations	État actuel	Date de l'émission/de la demande	Date d'échéance
Kivalliq Inuit Association	Applied for exemption	Applied, Decision Pending	2018-07-04	
Institut de recherche du Nunavut	Positive conformity determination. Sent to NIRB for screening.	Applied, Decision Pending	2018-06-18	

### Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Air	Helicopter use will be dependent on site access, and is anticipated to be minimal	
Water	Travel by boat may be required , but is anticipated to be infrequent	
Land	Travel by truck will occur along the Agnico Eagle all weather access road from Baker Lake to Amaruq Camp. Travel by foot is also anticipated.	

### Project accomodation types

Collectivité

Autre,

## 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
Pick-up Truck	1	6m x 2m x 3m	Travel to site
Boat	1	6m x 2m x 3m	Travel to site
Helicopter	1	11m x 4m x 2m	Travel to site
Flow meter	1	1.5m x 0.25m x 0.25m	Measure stream discharge
Stopwatch	1	0.2m x 0.2m x 0.1m	Measure sampling effort
GPS	1	0.25m x 0.1m x 0.1m	Locate/mark sites
Range Finder	1	0.2m x 0.2m x 0.05m	Measure distances
Tape Measure	1	0.25m x 0.25m x 0.05m	Measure stream properties
Camera	1	0.2m x 0.2m x 0.05m	Record site conditions
In-situ water quality meter	1	0.4m x 0.4m x 0.2m	Record in situ water quality parameters

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	1	42	42	Gallons	Transport to and from sites
Gasoline	fuel	10	120	1200	Liters	Transport to and from site

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	Déchets non combustibles	Minimal	Daily waste (e.g. food and equipment packaging) will be packed out each day and disposed of at Agnico Eagle sites.	N/A

## Répercussions environnementales :

No materials are to be moved or removed during this project, so impacts are anticipated to be minimal.

# **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**

Please refer to attached supporting document.

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

Please refer to attached supporting document.

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

Please refer to attached supporting document.

**Miscellaneous Project Information**

N/A

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

No impacts are anticipated

**Répercussions cumulatives**

N/A

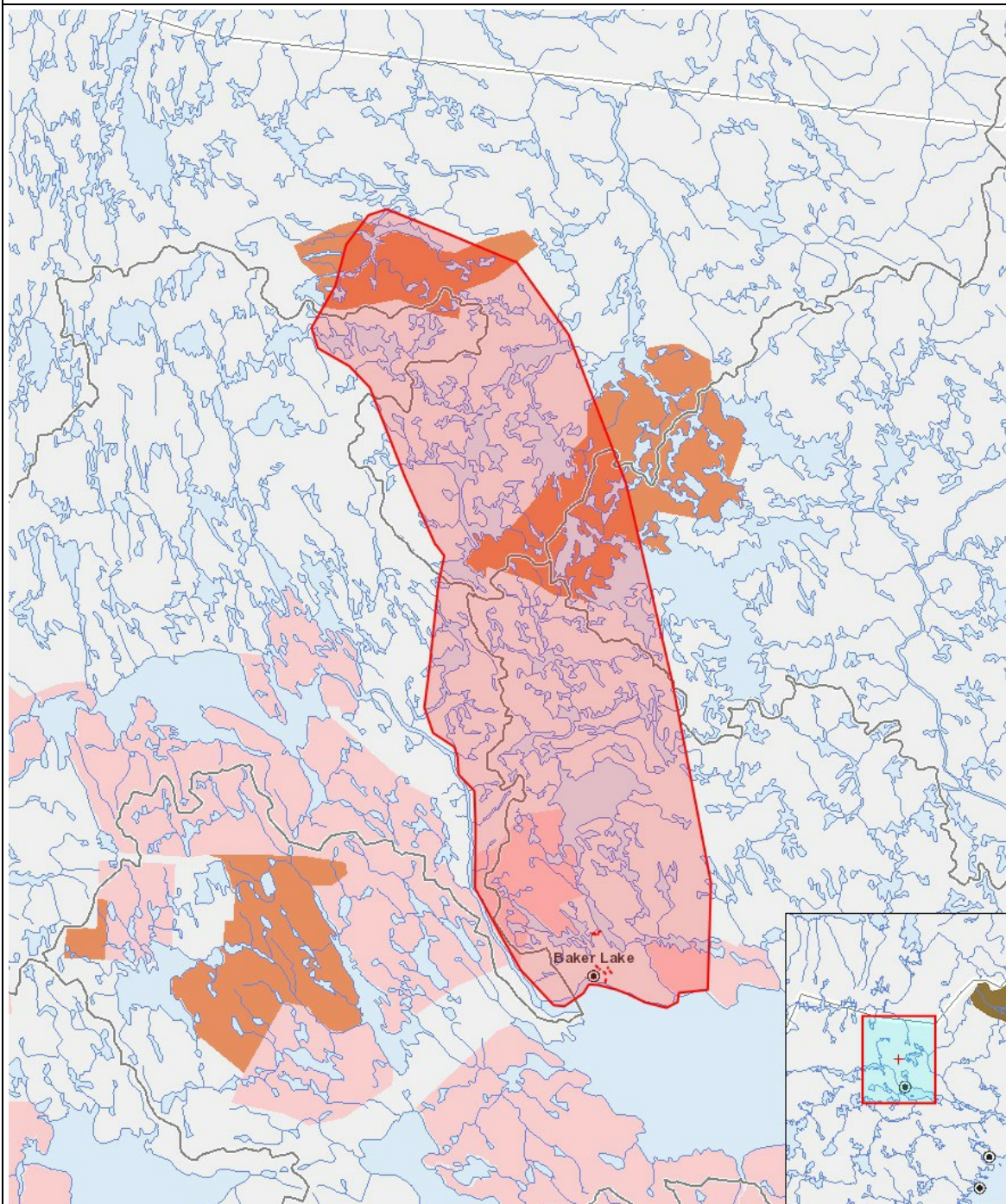
Impacts

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																									
Researching		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	-	-
Désaffectation																									
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

## PROJECT MAP



### LIST OF PROJECT GEOMETRIES:

- |   |          |   |
|---|----------|---|
| 1 | polygon  | Region encompassing wastewater system and potential reference systems |
| 2 | polyline | Wastewater system streams   |
| 3 | polyline | R02 reference stream  |