



Type de demande :	New
Type de projet:	Site Cleanup/Remediation
Date de la demande :	3/28/2022 11:01:57 AM
Period of operation:	from 0001-01-01 to 0001-01-01
Autorisations proposées:	from 0001-01-01 to 0001-01-01
Promoteur du projet:	Sulaimon Ayilara Petroleum Products Division PO Box 590, Rankin Inlet, NU X0C 0G0 Rankin Inlet, NU Nunavut X0C 0G0 Canada Téléphone :: 8676458444, Télécopieur ::

# DÉTAILS

## Description non technique de la proposition de projet

- Anglais: The proposed site for the landfarm is in Latitude 64.315, Longitude -96.020912 and (UTM) Zone 15 (Lot 1, Block 55, Plan 3512) at the back of PPD existing Oil Facility, away from the Hamlet of Baker Lake environmental pollution. The landfarm will be designed to hold 5000 CU.M. of contaminated soil for a maximum period of 4 years and decommission thereafter within the five years period allotted.
- Français: Le site proposé pour la ferme est à la latitude 64.315, longitude -96.020912 et (UTM) zone 15 (lot 1, bloc 55, plan 3512) à l'arrière de l'installation pétrolière existante de PPD, loin de la pollution environnementale du hameau de Baker Lake. Le landfarm sera conçu pour contenir 5000 CU.M. des sols contaminés pendant une période maximale de 4 ans et déclasser par la suite dans le délai de cinq ans imparti.
- Inuktitut: ΔσΓϋΔϋΔϋΔϋ ΔσΔϋ ΔϋΔϋΔϋ ΔσΔϋ 64.315, ΔϋΔϋ -96.020912 ΔϋΔϋ (UTM) Zone 15 (Δσ 1, ΔσΔϋ 55, ΔϋΔϋ 3512) ΔσΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋΔϋΔϋ, ΔϋΔϋΔϋΔϋΔϋΔϋΔϋ HΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ. ΔσΔϋ ΔϋΔϋΔϋΔϋΔϋ 5000 CU.M.-Γϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ ΔϋΔϋΔϋΔϋΔϋ.
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## Personnel

Personnel on site: 10

Days on site: 30

Total Person days: 300

Operations Phase: from 2022-05-27 to 2022-07-27

Operations Phase: from 2022-08-27 to 2026-08-27

Post-Closure Phase: from to

## 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
Baker lake Landfarm	Site Cleanup/Remediation	Commissioners	Propose landfarm will be at back of Existing PPD Oil Facility in Baker Lake where all contaminated soil will be remediated for environmental protection against hydrocarbon.	The location is not an archeological site, no history of physical remains of past human activities.	Site is protected and away from the Hamlet of Baker Lake environmental pollution and hazard.

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

Collectivité	Nom	Organisme	Date de la prise de contact
Baker Lake	Richard Aksawnee	Mayor of the Baker lake Hamlet	2021-07-08

# 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
Office des eaux du Nunavut	Water License	Applied, Decision Pending	2022-02-24	
Autre	Nunavut Planning Commission	Applied, Decision Pending	2022-02-24	

## Project transportation types

Transportation Type	Utilisation proposée	Length of Use
Land		

## 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
Loader	2	N/A	For excavating gravel for the landfarm construction.

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
Diesel	fuel	1	200	200	Liters	200
Contaminated soil	hazardous	2	3000	6000	Cubic Meters	3000

Consommation d'eau

Quantité quotidienne (m3)	Méthodes de récupération de l'eau proposées	Emplacement de récupération de l'eau proposé
200	All contaminated water will be treated with our water treatment plant already on the Baker Lake site.	All water will be discharge after meeting all discharge criteria as per Environment Canada and Nunavut Water Act before discharge after treatment.

# Déchets

## Gestion des déchets

Activités du projet	Type des déchets	Quantité prévue	Méthode d'élimination	Procédures de traitement supplémentaires
Landfarm	Dangereux	6000	Soil remediation inside the landfarm	Addition of fertilizer to impacted soils for remediation process.

## Répercussions environnementales :

ENVIRONMENTAL CONSIDERATIONS - PPD have a working water treatment plant on site of Baker Lake and all impacted water generated from the contaminated area around the landfarm will be treated and proper discharge criteria before release to the environment. Materials are in place to appropriately contain all contaminated water from leaching the landfarm which include the diversion of water and leachate to a suitable lined retention pond where it can be recycled over the landfarm materials to maintain moisture content. It should be noted that PPD initiated this control system during summer operations.

# **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**

PPD Tank Farm Baker Lake, NU with Location GPS - (Lat./Long) = Latitude 64.315, Longitude -96.020912

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

Landfarm will be constructed with a strong HDPE liner engineered with gravel and fence gate around for human and wildlife interference protection.

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

Existing PPD Oil facility presently provides fuel (Diesel and gasoline) to the Baker Lake community for energy to homes and offices. Soil contamination during gasoline spill of 2021 must be remediated inside the landfarm and thereby became necessary.

### **Miscellaneous Project Information**

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

Baker Lake Landfarm requires the appropriate safeguards for the protection of human health and fence will be built around it. The potential for uncontrolled emissions, such as volatile organic compounds (VOCs), leachates and odours and any other adverse effects from treatment, needs to be considered on a site-specific basis according to the nature of the contamination and the conditions of the site. The landfarm will be located 2.5km from the Hamlet of Baker Lake, therefore no emissions reaching the general population. All operational procedures including Personal Protective Equipment (PPE) and methodology are outlined within the Operation and Maintenance Plan associated with this landfarm. If properly operated every year, the risk of emissions affecting the general population or landfarm personnel is significantly decreased (EPA 2014).

### **Répercussions cumulatives**



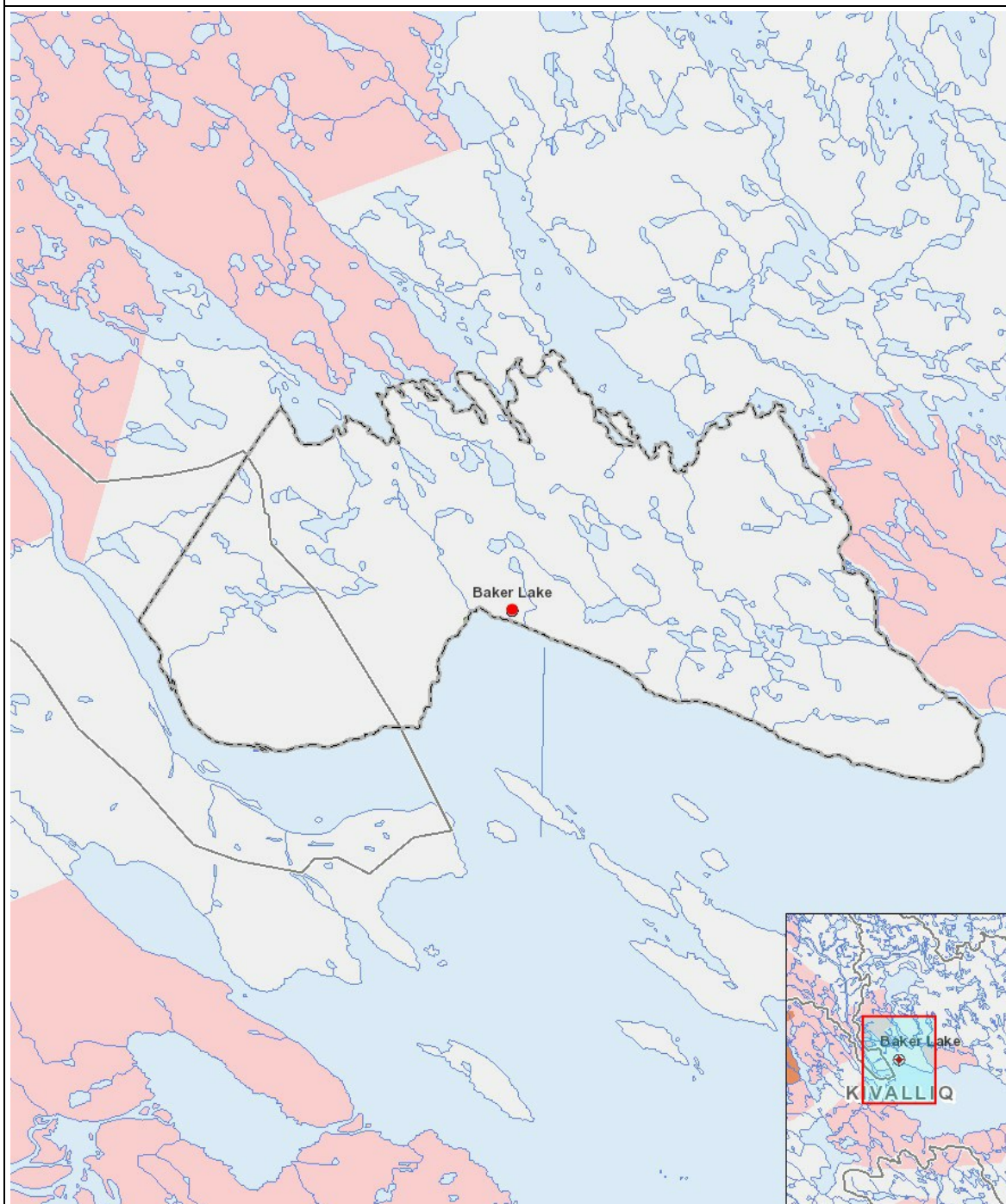
# Impacts

## 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
<b>Construction</b>																									
Site Cleanup/Remediation		N	P	U	-	P	N	N	U	N	U	U	N		P	N	N	N	P		M	U	P	P	P
<b>Exploitation</b>																									
Site Cleanup/Remediation		N	P	U	-	P	U	U	U	U	U	P	U		P	N	N	N	P		M	U	P	P	P
<b>Désaffectation</b>																									
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(P = Positive, N = Négative et non gérable, M = Négative et gérable, U = Inconnue)

## Site du projet



## Liste des géométries de projet

1	point	Baker lake Landfarm
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