



## **NIRB Uuktuutinga Ihivriughikhamut #125677**

### **Baker Lake Landfarm**

**Uuktuutinga Qanurittuq:** New

**Havaap Qanurittunia:** Site Cleanup/Remediation

**Uuktuutinga Ublua:** 3/28/2022 11:01:57 AM

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

**Piumayaat Angirutinga:** from 0001-01-01 to 0001-01-01

**Havauhikhaq Ikayuqtinga:** Sulaimon Ayilara  
Petroleum Products Division  
PO Box 590, Rankin Inlet, NU X0C 0G0  
Rankin Inlet, NU Nunavut X0C 0G0  
Canada  
Hivayautit Nampanga:: 8676458444, Kayumiktukkut Nampanga::

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

## Hulilukaarutit

| Inigiya             | Hulilukaarut Qanurittuq  | Nunannga Qanurittaakhaanik | Initurlinga qanuritpa  | Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga                       | Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna                      |
|---------------------|--------------------------|----------------------------|--|---|--|
| 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. |

### Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

| Nunauyuq     | Atia             | Timiuyuq                       | Upluani Uqaqatigiyaungmata |
|--------------|------------------|--------------------------------|----------------------------|
| Qamaniittuaq | Richard Aksawnee | Mayor of the Baker lake Hamlet | 2021-07-08                 |

# Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Kivalliq

## Angiuttauvaktunik

| Munariniqmut<br>Ayuittiaqtuq     | Angirutinga<br>Qanurittuq      | Tadja<br>Qanurittaakhaanik   | Ublua<br>Tuniyauyuq/Uuktuqtuq | Umikvikhaa Ublua |
|----------------------------------|--------------------------------|------------------------------|-------------------------------|------------------|
| Nunavut Imaligiyyit<br>Katimayit | Water License                  | Applied, Decision<br>Pending | 2022-02-24                    |                  |
| Alaanut                          | Nunavut Planning<br>Commission | Applied, Decision<br>Pending | 2022-02-24                    |                  |

## Project transportation types

| Transportation<br>Type | Qanuq Atuqtauniarmangaa | Length of Use |
|------------------------|-------------------------|---------------|
| Land                   |                         |               |

## Project accomodation types

Nunauyuq

Alaanut,

# Ihuaqutivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

| Hanalrutit Qanurittuq | Qaffiuyut | Aktikkulaanga – Qanurittullu | Qanuq Atuqtauniarmangaa                              |
|-----------------------|-----------|------------------------------|--|
| Loader                | 2         | N/A                          | For excavating gravel for the landfarm construction. |

## Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

| Qanurittuq urhuqyuaq hunavaluit aturninnga: | Urhuqyuaq Qanurittuq | Qaffiuyut qattaryut | Qattaryuk Aktikkulaanga | Atauttimut Qaffiuyut | Ilanga       | Qanuq Atuqtauniarmangaa |
|---|----------------------|---------------------|-------------------------|----------------------|--------------|-------------------------|
| Diesel                                      | fuel                 | 1                   | 200                     | 200                  | Liters       | 200                     |
| Contaminated soil                           | hazardous            | 2                   | 3000                    | 6000                 | Cubic Meters | 3000                    |

## Imaqmik Aturninnga

| Ubluq qanuraaluk (m3) | Aturumayain imavaluin utiqittagaani qanuq   | Atulirumayain imavaluin utiqittagani humi  |
|-----------------------|---|--|
| 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. |

# Iqqakuq

## Ikkakunik Munakgiyauyunik

| Havauhikhaq<br>Hulilukaarut | Qanurittuq Iqqakut | Ihumagiyauyuq<br>Qanuraaluktut<br>Atuqtait | Qanuq<br>Iqqakuurniarmangaa             | Halummaqtirarnirutikhan<br>piyutin                                      |
|-----------------------------|--------------------|--|---|---|
| Landfarm                    | Qayangnaqtut       | 6000                                       | Soil remediation<br>inside the landfarm | Addition of fertilizer to<br>impacted soils for<br>remediation process. |

### Avatiliriniqmut Ayurhautingit:

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**

### **Qanurittuq Ittunik Avatinga: Avatingalluanga**

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

### **Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga**

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

### **Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga**

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**

### **Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit**

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).

### **Tamatkiumayunik Ihuikgutivaktunik**



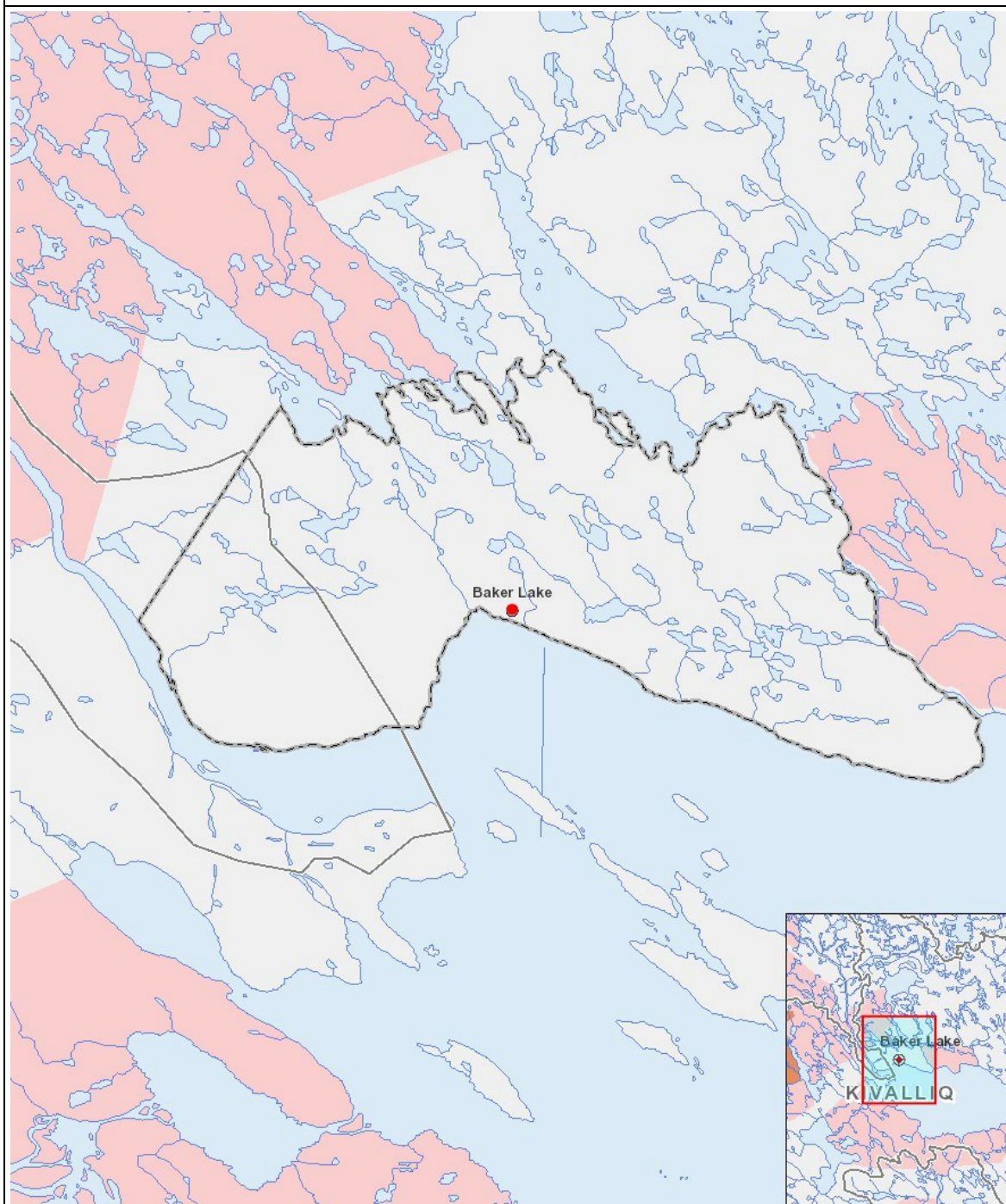
# Impacts

## Ilitariyauniq Avatiliriniqmut Ayurhautingit

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(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyauyuq)

# Havaariyauyukhamut Nayugaa



## List of Project Geometries

|   |       |                     |
|---|-------|---------------------|
| 1 | point | Baker lake Landfarm |
|---|-------|---------------------|