



NWB Tools

Richard Dwyer &lt;richard.dwyer@nwb-oen.ca&gt;

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## 1BR-BAK---- Water Licence Application for the Baker Lake Landfarm Project

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**Ayilara, Sulaimon** <SAyilara@gov.nu.ca>

Wed, Aug 17, 2022 at 3:05 PM

To: Assol Kubeisinova &lt;assol.kubeisinova@nwb-oen.ca&gt;

Cc: "licensing@nwb-oen.ca" &lt;licensing@nwb-oen.ca&gt;, Richard Dwyer &lt;richard.dwyer@nwb-oen.ca&gt;

Hello Assol,

Please attached Spill Contingency Plan and water treatment effluent after treatment.

Thanks.

### **Sulaimon Ayilara**

Acting Manager, Technical & Environmental Services,

Petroleum Products Division

**Office:** 867-645-8444 | **Cell:** 867-645-7436 | **E:** [SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)

PO Box 590, Rankin Inlet, NU X0C 0G0



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**From:** Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

**Sent:** August 2, 2022 2:48 PM

**To:** Ayilara, Sulaimon <SAyilara@gov.nu.ca>

**Cc:** [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca); Richard Dwyer <richard.dwyer@nwb-oen.ca>

**Subject:** Re: 1BR-BAK---- Water Licence Application for the Baker Lake Landfarm Project

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Hi Sulaimon,

As discussed on the phone just now, the NWB is requesting to provide the following information:

1. The details on the contaminated water treatment process, such as any engineering drawings and quality of influent and effluent;
2. Updated spill contingency plan that includes:
  1. the actual procedures of containing and cleaning up a spill into the plan;
  2. the persons responsible for containing and cleaning up a spill
  3. Inventory including fuel and chemical storage, # of spill kits, their contents and location;
  4. Triggers for the activation of the Spill Contingency Plan, training schedule, steps for reporting, containment, clean-up and response, emergency contacts list; and
  5. Copy of NT-NU Spill Reporting Form, MSDS sheets

Best regards,  
Assol

On Tue, Aug 2, 2022 at 10:35 AM Ayilara, Sulaimon <[SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)> wrote:

Good morning Assol,

Am on duty travel to Cambridge Bay and in transit.

Will call you when I land from the plane in Cambridge Bay.

Thanks a lot.

Sulaimon Ayilara.

Sent from my Bell Samsung device over Canada's largest network.

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**From:** Assol Kubeisinova <[assol.kubeisinova@nwb-oen.ca](mailto:assol.kubeisinova@nwb-oen.ca)>  
**Sent:** Tuesday, August 2, 2022 10:17:39 AM  
**To:** Ayilara, Sulaimon <[SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)>  
**Cc:** [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca) <[licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)>; Richard Dwyer <[richard.dwyer@nwb-oen.ca](mailto:richard.dwyer@nwb-oen.ca)>  
**Subject:** Re: 1BR-BAK---- Water Licence Application for the Baker Lake Landfarm Project

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Hi Sulaimon,

I called your office, but you were out. Could you please dial me at the number below? I am on Mountain Time.

Thank you,

Assol

On Fri, Jul 29, 2022 at 3:40 PM Ayilara, Sulaimon <SAyilara@gov.nu.ca> wrote:

Hello Assol,

See response in red ink as below.

3. The application states GN will perform water treatment on the collected wastewater. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent. **The GN-PPD have a water treatment plant on site to treat hydrocarbon contaminated water, if need be. The water treatment system ensures treatment of impacted water to meet BTEX, F1 to F4 and other parameters to prevent water pollution and environment threat.**
  1. **Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent? See attached picture for the water treatment plant on site with influent with impacted water and effluent with treated water which is sampled and tested at the laboratory to ensure it meet environmental standards for discharge.**
  2. **Is the plant currently in use? If so, what is it treating now? Yes, water treatment plant presently on site for all contaminated water treatment from the cell berm that contain impacted water.**
4. Where will the treated wastewater be released? **Upon water treated and confirm be laboratory as good parameter of BTEX, F1 to F4, GN-PPD gets discharge permission from the CIRNAC before discharge to the environment outside the berm.**
  1. **The map shows that the landfarm is planned to be located next to a water body. Why was this location chosen? This is approved location by the Hamlet council for the proposed landfarm site.**
  2. **Is there any aquatic life in this water body? No aquatic at the water body around but there is aquatic life in the nearby lake which is 6km away.**
  3. **Are there any other users of this water body? No user of the water body.**
  4. **Is the treated water going to be released in the water body or away from it? The treated water is always release to the high-land area away from the water body.**

5. The application notes that the quantity of wastewater is estimated at 500 L. What is the time period, during which this volume will be generated? **Water inside the landfarm is usually generated through Ice melt during the spring/summer weather period and if contaminated, are being treated before discharging out of the berm. What is the time period, during which this volume will be generated - e.g., 500L/day or 500 L/month, etc.**

**Total of +/- 500L is generated from ice melt and freshet for the spring/summer months of May/June/July/August (all 4 months together).**

8. Could you please provide a standalone spill contingency plan prepared in the format set out by the Consolidation of Spill Contingency Planning and Reporting Regulations R-068-93? **See attached**

1. Could you please provide the actual procedures of containing and cleaning up a spill into the plan?

**SPILL CONTAINMENT AND CLEAN-UP PROCEDURES**

1. Ensure that the spill is properly contained for public safety.
2. Assess the spill site with Department of Environment to establish a clean-up plan.
3. Activate the clean-up plan utilizing local equipment, local personnel and obtaining clean-up materials. These resources are available through Department of Environment, Community and Government Services, the local Fuel Delivery Contractor, and local Heavy Equipment Contractors.

2. Could you please indicate the persons responsible for containing and cleaning up a spill?

PPD have local Fuel Delivery Contractor, local Heavy Equipment Contractors in every 25 Nunavut communities and responsible for containing and cleaning up any spill.

The PPD Environmental Service Specialist supervise the spill activities.

9. The application package included engineering drawings; however, the drawings are illegible. Could you please provide them in a better resolution? **See attached IFC stamped drawing You mentioned groundwater monitoring wells that will be installed. Could you please provide their locations on a map in reference to the landfarm?**

**See test pit drawing attached with TP-1, TP-2, TP-3. All these test pits serve as groundwater monitoring which primary purpose of groundwater monitoring systems is to monitor the quality of groundwater. Periodic water level measurements at various 3 TP locations are essential for assessing and observing groundwater levels and flow conditions, obtaining samples for determining groundwater safety.**

Thanks.

**Sulaimon Ayilara**

Acting Manager, Technical & Environmental Services,

Petroleum Products Division

**Office:** 867-645-8444 | **Cell:** 867-645-7436 | **E:** [SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)

PO Box 590, Rankin Inlet, NU X0C 0G0



**From:** Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>  
**Sent:** July 29, 2022 10:42 AM  
**To:** Ayilara, Sulaimon <SAyilara@gov.nu.ca>  
**Cc:** licensing@nwb-oen.ca; Richard Dwyer <richard.dwyer@nwb-oen.ca>  
**Subject:** Re: 1BR-BAK---- Water Licence Application for the Baker Lake Landfarm Project

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Hello Sulaimon,

Thank you for providing the response. Please find below some follow-up questions in blue.

3. The application states GN will perform water treatment on the collected wastewater. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent. **The GN-PPD have a water treatment plant on site to treat hydrocarbon contaminated water, if need be. The water treatment system ensures treatment of impacted water to meet BTEX, F1 to F4 and other parameters to prevent water pollution and environment threat.**
  1. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent?
  2. Is the plant currently in use? If so, what is it treating now?
4. Where will the treated wastewater be released? **Upon water treated and confirm be laboratory as good parameter of BTEX, F1 to F4, GN-PPD gets discharge permission from the CIRNAC before discharge to the environment outside the berm.**
  1. The map shows that the landfarm is planned to be located next to a water body. Why was this location chosen?
  2. Is there any aquatic life in this water body?
  3. Are there any other users of this water body?
  4. Is the treated water going to be released in the water body or away from it?
5. The application notes that the quantity of wastewater is estimated at 500 L. What is the time period, during which this volume will be generated? **Water inside the landfarm is usually generated through Ice melt during the spring/summer weather period and if contaminated, are being treated before discharging out of the berm. What is the time period, during which this volume will be generated - e.g., 500L/day or 500 L/month, etc.**
8. Could you please provide a standalone spill contingency plan prepared in the format set out by the Consolidation of Spill Contingency Planning and Reporting Regulations R-068-93? **See attached**
  1. Could you please provide the actual procedures of containing and cleaning up a spill into the plan?
  2. Could you please indicate the persons responsible for containing and cleaning up a spill?

9. The application package included engineering drawings; however, the drawings are illegible. Could you please provide them in a better resolution? **See attached IFC stamped drawing** You mentioned groundwater monitoring wells that will be installed. Could you please provide their locations on a map in reference to the landfarm?

Best regards,  
Assol

[REDACTED]

On Thu, Jul 28, 2022 at 3:36 PM Ayilara, Sulaimon <SAyilara@gov.nu.ca> wrote:

Hello Assol,

Please see response to your questions in red ink below.

1. I understand the applicant is GN-PPD - is that correct? **Yes, GN-PPD (Government of Nunavut – Petroleum Products Division)**
2. The location coordinates are required to be in the degree-minute-second format as shown in the application form. Could you please provide them? **Degree-minute-second format as (Latitude 64-65-50.447 N, Longitude 71-35-564.12 W)**
3. The application states GN will perform water treatment on the collected wastewater. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent. **The GN-PPD have a water treatment plant on site to treat hydrocarbon contaminated water, if need be. The water treatment system ensures treatment of impacted water to meet BTEX, F1 to F4 and other parameters to prevent water pollution and environment threat. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent? Is the plant currently in use? If so, what is it treating now?**
4. Where will the treated wastewater be released? **Upon water treated and confirm be laboratory as good parameter of BTEX, F1 to F4, GN-PPD gets discharge permission from the CIRNAC before discharge to the environment outside the berm.**
5. The application notes that the quantity of wastewater is estimated at 500 L. What is the time period, during which this volume will be generated? **Water inside the landfarm is usually generated through Ice melt during the spring/summer weather period and if contaminated, are being treated before discharging out of the berm.**
6. The application sets August 31 as the start of construction. Please note that the time required for public review, information exchange, and Board decision will exceed that timeframe. **The NIRB, NPC are done with review and remain only NWB. We will await the from NWB for the license approval before begin construction.**
7. Could you please provide the Inuktitut summary? **See attached.**

8. Could you please provide a standalone spill contingency plan prepared in the format set out by the Consolidation of Spill Contingency Planning and Reporting Regulations R-068-93? **See attached**
9. The application package included engineering drawings; however, the drawings are illegible. Could you please provide them in a better resolution? **See attached IFC stamped drawing**

Thanks.

### **Sulaimon Ayilara**

Acting Manager, Technical & Environmental Services,

Petroleum Products Division

**Office:** 867-645-8444 | **Cell:** 867-645-7436 | **E:** [SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)

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**From:** Assol Kubeisinova <[assol.kubeisinova@nwb-oen.ca](mailto:assol.kubeisinova@nwb-oen.ca)>  
**Sent:** July 27, 2022 4:58 PM  
**To:** Ayilara, Sulaimon <[SAyilara@gov.nu.ca](mailto:SAyilara@gov.nu.ca)>  
**Cc:** [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)  
**Subject:** 1BR-BAK---- Water Licence Application for the Baker Lake Landfarm Project

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Hello Sulaimon,

Thank you for providing the application for a water licence. We have performed the preliminary technical review of the documents, and the NWB requests following clarifications:

1. I understand the applicant is GN-PPD - is that correct?
2. The location coordinates are required to be in the degree-minute-second format as shown in the application form. Could you please provide them?


3. The application states GN will perform water treatment on the collected wastewater. Could you please provide the details on the process, such as any engineering drawings and quality of influent and effluent.
4. Where will the treated wastewater be released?
5. The application notes that the quantity of wastewater is estimated at 500 L. What is the time period, during which this volume will be generated?
6. The application sets August 31 as the start of construction. Please note that the time required for public review, information exchange, and Board decision will exceed that timeframe.
7. Could you please provide the Inuktitut summary?
8. Could you please provide a standalone spill contingency plan prepared in the format set out by the Consolidation of Spill Contingency Planning and Reporting Regulations R-068-93?
9. The application package included engineering drawings; however, the drawings are illegible. Could you please provide them in a better resolution?

Best regards,

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## 2 attachments

 **Spill Contingency Plan for Landfarm in Baker Lake. August 2022.pdf**  
1620K

 **L2719035\_COA.PDF**  
1365K