



Aboriginal Affairs and
Northern Development Canada

Affaires autochtones et
Développement du Nord Canada

<http://www.aandc-aadnc.gc.ca>

<http://www.aadnc-aandc.gc.ca>

North Mackenzie District
P.O. Box 2100
Inuvik, NT X0E 0T0

Telephone: 867-777-8900
Fax: 867-777-2090

March 30, 2014

Northwest Territories Water Board
P.O. Box 2531
Inuvik, NT X0E 0T0

Attn: Freda Wilson, Office and Finance Administrator

**RE: INDUSTRIAL Water Use N7L1-1824
CLASS B - INDUSTRIAL
Johnson Point
Unnamed River**

Dear Ms. Wilson,

Please find the enclosed Inspection Report for your review and records.

An electronic copy (un-editable Adobe pdf.) has also been provided by e-mail.

If you have any questions or concerns regarding the enclosed, and/or if additional information is required please contact me at (867) 777-8909.

Sincerely,

Jan Davies
Water Resource Officer

Cc: Conrad Baetz, District Manager, North Mackenzie District, Inuvik, NT

Enclosure: Industrial Water Use Inspection Report and Cover Letter (5 pages)



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March 30, 2014

Contaminants & Remediation Directorate
Aboriginal Affairs and Northern Development Canada
P.O. Box 1500
Yellowknife, NT X1A 2R3

Attn: Bill Coedy

**RE: INDUSTRIAL Water Use N7L1-1824
CLASS B - INDUSTRIAL
Johnson Point
Unnamed River**

Dear Mr. Coedy,

An inspection of the Contaminants & Remediation Directorate - Aboriginal Affairs and Northern Development Canada Water Licence N7L1-1824 (expiry on May 31, 2013) was conducted on August 30, 2013. The operation under the above mentioned Industrial Water Use was inspected to assess compliance and ensure that the terms and conditions were met. Enclosed is a copy of the Inspection Report (4 pages) for your review and records.

There were no violations identified during the course of this Inspection. Please review and address the concerns and other items throughout the Inspection Report.

Please note that it is the Licensee's responsibility to ensure compliance with all of the terms and conditions of its Water Licence. A copy of this report will be sent to the Northwest Territories Water Board for their review and public records.

If you have any questions regarding the enclosed and/or if additional information is required, please do not hesitate to contact me at (867) 777-8900.

Sincerely,

Jan Davies
Water Resource Officer

Cc: Conrad Baetz, District Manager, North Mackenzie District, Inuvik, NT

Enclosure: Industrial Water Use Inspection Report (4 pages)



INDUSTRIAL WATER USE INSPECTION REPORT

| | | | |
|---------------------|---|-----------------------------|------------------------|
| LICENCE #: | N7L1-1824, Johnson Point | EXPIRY DATE: | May 31, 2013 |
| LICENCEE: | Contaminants & Remediation Directorate, Aboriginal Affairs and Northern Development Canada | PREVIOUS INSPECTION: | August 20, 2012 |
| COMPANY REP: | Bill Coedy | INSPECTION DATE: | August 30, 2013 |

WATER SUPPLY

| | | | |
|-----------------|---|----------------|-------------------------|
| Source: | Unnamed River | Quantity Used: | N/A, See Annual Reports |
| Owner/Operator: | Contaminants & Remediation Directorate | Meter Reading: | N/A |

Indicate: **A - Acceptable** **U - Unacceptable** **N/A - Not Applicable** **N/I - Not Inspected**

| | | | | | | | |
|-------------------|-----|--------------------|-----|-------------------|-----|---------------|-----|
| Intake Facilities | N/A | Storage Structures | N/A | Treatment Systems | N/A | Recycling | N/A |
| Flow Meas. Device | N/A | Conveyance Lines | N/A | Pumping Stations | N/A | Chem. Storage | N/A |
| | | | | | | Modifications | N/A |

Water Supply Comments:

N/A

WASTE DISPOSAL – SEWAGE

| | | | | | | | |
|------------------------|---|--------------------------------|--------------------------------|--------------------|---|-------------------|---|
| Disposal Method | | Aeration tank, settling lagoon | | | | | |
| Mechanical | N | Camp Sump | N | Natural Water Body | N | Wetland Treatment | N |
| Continuous Discharge | N | Intermittent Discharge | N | Seasonal Discharge | N | Land Spread | N |
| Accelerated Biological | N | Other | Aeration tank, settling lagoon | | | | |

Indicate: **A - Acceptable** **U - Unacceptable** **N/A - Not Applicable** **N/I - Not Inspected**

| | | | | | |
|--------------------------|-----|-----------------------------|-----|------------------------------|-----|
| Discharge Quality | N/A | Decent Process & Structures | N/A | Discharge Measurement Device | N/A |
| Freeboard | N/A | Sludge Disposal Method | N/A | | |
| Periods Of Discharge | N/A | | | SNP Samples Collected | N/A |
| Effluent Discharge Rates | N/A | | | | |

Sewage Comments:

- Former camp area, treated greywater effluent discharge area and settling lagoon area were in good condition with no concerns.

WASTE DISPOSAL – SOLID WASTE

| | | | | | | | |
|------------------|--|----------|-----|-----------------|---|-------------|---|
| Disposal Method | | Landfill | | | | | |
| Open Dump | N | Landfill | Y | Burn & Landfill | N | Underground | N |
| Offsite Removal | N | Other | N/A | | | | |
| Owner / Operator | Contaminants & Remediation Directorate | | | | | | |



INDUSTRIAL WATER USE INSPECTION REPORT

Indicate: **A - Acceptable** **U - Unacceptable** **N/A - Not Applicable** **N/I - Not Inspected**

| | | | |
|------------------|-----|-----------------------|-----|
| Runoff Diversion | N/A | SNP Samples Collected | N/A |
|------------------|-----|-----------------------|-----|

Solid Waste Comments:

- Landfills still well secured and erosion is being controlled by the armour stone surrounding and covering the various sites.
- The soil disposal areas are looking acceptable with stable slopes and sides. Minimal erosion is present but small compared to the surrounding areas that are naturally experiencing a lot more erosion.
- Minimal debris waste was observed such as a metal come along on the most southerly treated soil disposal area. It is thought that this might have been from the recent remediation activity (Water Licence N7L1-1824) if not some of the past historic/staging activities associated with Johnson Point. When Aboriginal Affairs and Northern Development - Contaminants & Remediation Directorate is in the area doing monitoring etc any debris exposed on site should be removed for proper disposal.

GENERAL CONDITIONS/REPORTS/PLANS

Indicate: **A - Acceptable** **U - Unacceptable** **N/A - Not Applicable** **N/I - Not Inspected**

| | | | | | |
|-------------------------|-----|---------------------|-----|------------------|-----|
| C &R Plan | N/A | Records & Reporting | N/I | Final Report | N/A |
| Geotechnical Inspection | N/A | Posting, Signage | N/A | Contingency Plan | N/A |
| Restorations Activities | A | Spills | A | O&M Plan | N/A |
| Maintenance | N/A | Modifications | N/A | Annual Report | N/I |

General Condition Comments:

- Erosion - acceptable - Area restoration has been completed. All equipment, camp and materials have been removed from the site.
- Thermistors remain on site and are in acceptable condition.
- Drainage for the site is being maintained and is naturally establishing itself in the area.
- Restoration work has succeeded in the area especially the excavations on the apron area, along the shore area, near runway and bordering the river. These areas were disturbed to excavate contaminated ground material to either clean or approved depths and then backfilled. Stability was a concern due to the amount of area that was disturbed and as it was unknown if the permafrost would re-integrate into the backfilled material. Thermistors were installed to monitor the areas of most concern in conjunction with scheduled site visits to Johnson Point.
- Unnamed River at Johnson Point is maintaining it's original pathway/drainage despite those adjacent areas that had contaminated material excavated and were backfilled.

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE





N/A

Inspector's Signature:



INDUSTRIAL WATER USE INSPECTION REPORT

Inspection Images:

| | |
|--|---|
| <p>Figure 1 Example of debris (come along) found on site.</p>  | <p>Figure 2 Backfilled excavation area adjacent to river.</p>  |
| <p>Figure 3 Thermistor amidst backfilled excavation area adjacent to river.</p>  | <p>Figure 4 Access road and drainage area intersection.</p>  |
| <p>Figure 5 Access road along former settling lagoon and camp area.</p>  | <p>Figure 6 Treated wastewater discharge area.</p>  |



INDUSTRIAL WATER USE INSPECTION REPORT

Figure 7

Treated soil disposal area.



Figure 8

Landfill A.



Figure 9

Landfill B



Figure 10

Landfill C



Figure 11

Landfill D



Figure 12

Aerial view of area north of runway, small unnamed lake and access road.

