



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

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|---|-----------------------------|
| Licensee | Licensee Representative |
| TMAC Resources | John Roberts |
| Licence No. / Expiry | Representative's Title |
| 2BE-HOP1222 | VP Environmental Affairs |
| Land / Other Authorizations | Land / Other Authorizations |
| Date of Inspection | Inspector |
| July 18 and 19 2015 | Eva Paul |
| Activities Inspected | |
| <input checked="" type="checkbox"/> Camp <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage | |
| <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: Water discharge <input type="checkbox"/> Other: | |

Conditions: A - Acceptable C - Concern U - Unacceptable NA - Not Applicable NI - Not Inspected

| Water Use | Condition | Comment | Site Conditions | Condition | Comment | Haz/Mat Management | Condition | Comment |
|-----------------------|-----------|---------|------------------------------|-----------|---------|--------------------|-----------|---------|
| Intake/Screen | A | | Water Management Structures | A | | Storage | A | |
| Flow Measure. Device | A | | Culverts / Bridges | A | | Spills | A | 3 |
| Source: Windy Lake | A | | Drainage | A | | Spill Plan | A | |
| Water Use: | A | | Erosion / Sediment | A | | | | |
| Recirculation (y /n) | A | | Mitigation Measures | C | 1 | Administrative | | |
| | | | Reclamation Activities | A | 2 | Records | A | |
| | | | Materials Storage | A | | Reports | A | |
| Waste Disposal | | | Signage | A | | Plans | A | |
| Waste Water | A | | | | | Notifications | A | |
| Solid Waste | A | | Monitoring | | | Other | | |
| Hazardous Waste | A | | Sample Collection / Analysis | A | | | | |

*The number in the comments field will correspond with specific comments provided below.

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| Samples taken by Inspector: | Location(s): Patch Cuttings Sump (Spill 13-357), Windy Lake (HOP-1) Anticipate high TSS and nutrients due to windy conditions at HOP-1. Possible fecals due to proximity to shore (wildlife use). |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

SECTION 1 ☒ Comments (s.1) ☐ Non-Compliance with Act or Licence (s.2) ☒ Action Required (s.3)

Patch Lake was visited on July 18, 2015. I was accompanied by John Roberts and Claire Brown. The site visit was focussed on remedial measures in place for the Patch Cuttings Sump (Spill 13-357).

As per the letter submitted to the Inspector on November 24, 2014: "The remediation plan submitted in May outlined closing the site by isolating the sump area with LDPE liner keyed into an excavated trench, then covering and capping the sump to stabilize and allow natural freezing to immobilize the salts. This work was to occur in winter 2014/2015. Unfortunately, the heavy equipment required to perform the work did not arrive on the summer sea-lift, and it is necessary to modify the original plan." The resulting action was that quarry rock from Doris North was hauled to Patch to "cover and stabilize the exposed cuttings and backfill depressions to prevent further ponding".

1. The efforts to cover the cuttings were not altogether successful as the work had to be conducted during the winter. The rock placed does not completely cover the cuttings; and the exposed cuttings unfortunately remain on the downslope side. A pool of water remains. However, impacts to vegetation are less evident than in 2012-2014.

Windy camp was inspected on July 19, 2015, as well as drill sites from 2014/15 and cuttings sumps along the Windy Lake road.

2. Options for remediation of the legacy drill holes was discussed. Drill holes from TMAC's tenure are being well-remediated as per licence conditions, and legacy holes are addressed opportunistically.
3. Spill 15-132 (April 5 spill of 100L turbid water at Patch) will be closed with the Spill Line. Based on vegetation re-growth and apparent stabilization of the Windy foreshore, I will also close Spill 04-388 (19,000L P-50).

SECTION 2 ☐ Comments ☐ Non-Compliance with Act or Licence ☐ Action Required

No non-compliances were noted as a result of this inspection.

SECTION 3 ☐ Comments ☐ Non-Compliance with Act or Licence ☒ Action Required

1. Determination of the effectiveness of the remediation measures taken for spill 13-357 whether further action is required.

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|----------------------------|------------------|
| Licensee or Representative | Inspector's Name |
| John Roberts | Eva Paul |
| Signature | Signature |
| Date | Date |
| 20/07/2015 | 20/07/2015 |