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September 21, 2015

Eva Paul
Water Resources Officer
Aboriginal Affairs and Northern Development Canada
Water Resources Division, Nunavut Regional Office
Building 918, P.O. Box 100
Iqaluit, NU X0A 0H0
867-975-4548

Re: 2BE-HOP1222 AANDC July 18-19, 2015 Inspection Report Required Action Item

Dear Ms. Paul;

In follow-up to your site visit July 18 and 19, 2015 to sites under Regional Exploration Licence 2BE-HOP1222, and in response to the Action Item identified in your Water Licence Inspection Report, TMAC is pleased to provide the following information.

Comments in the Inspection Report concerning the remediation work performed over winter 2014/2015 at the Patch Lake laydown cutting sump identified exposed cuttings and some pooling water that remained on the downslope side of the sump. The comments also noted that impacts to vegetation in the area were less evident. The Report's Action Item required a determination of the effectiveness of the remediation measures taken for seepage of brine from the cuttings sump (Spill #13-357), and whether further action was required.

As part of the follow-up to Spill 13-357, a seasonal water quality monitoring program was instituted to measure potentially elevated contaminants of concern that may be originating from the sump and migrating downslope through the tundra. Monitoring conducted this summer, compared with previous years' monitoring results (2013 through 2015) indicate conductivity and chloride concentrations near the sump, and in shallow groundwater between the sump and Imniagut Lake is decreasing. Vegetation in the area is also recovering, as can be seen in the photo provided below (Figure 1).

The remediation work performed last winter stabilized the majority of exposed cuttings, and this fall the standing water along the western margin of the sump will be delineated to monitor changes in this area.

Water quality monitoring will also be continued to determine if the remediation to date effectively mitigates further high-saline seepage from the sump.

If you should need any further information, please feel free to contact me.

Regards,



M. John Roberts

Vice-President Environmental Affairs

TMAC Resources Inc.

CC:

Phyllis Beaulieu, Nunavut Water Board



Figure 1. August 2015 Aerial view of Patch Cuttings Sump looking east, showing vegetation recovery.