



February 7, 2019

Jonathan Mesher
Resource Management Officer
Crown Indigenous Relations and Northern Affairs Canada (CIRNAC)
Box 100
Iqaluit, NU X0A 0H0

**Re: 2019 Geotechnical Drilling Program – Mary River Aerodrome
 Type 'B' Water Licence 2BE-MRY1421
 Commercial Lease No. Q13C301**

Baffinland Iron Mines Corporation (Baffinland) plans to commence a 2019 drilling program on the Mary River aerodrome for the purpose of geotechnical investigation and ground temperature cable installation, both required to support engineering design for potential upgrades and resurfacing of the Mary River runway, taxiway and apron. The proposed drilling locations and their proximity to surrounding water bodies are shown in Attachment 1. The drilling program is being managed by Tetra Tech Canada Inc. and performed by Boart Longyear. The program is scheduled to commence on February 20, 2019 and expected to be completed by February 27, 2019.

The drilling program consists of a total of fourteen (14) boreholes. Two (2) boreholes BH19-01 and BH19-02 are located on the runway and two (2) other boreholes BH19-09 and BH19-11 are located on the apron. BH19-14 and BH19-03 are in the vicinity of sheardown lake and camp lake respectively. All proposed borehole locations, including coordinates, are presented in Attachment 1. BH19-01 and BH19-02 on the runway, are both planned to be drilled to a depth of 15m each and utilized for ground temperature cable installation. BH19-09 and BH19-11 on the apron, are planned to be drilled to 8-10m depths. All other boreholes will be drilled to a maximum of 5m depths. It is intended that BH19-01 and BH19-02 will be approximately 15m from the edge of the runway.

This drilling program is not expected to use water as drilling will be executed using a sonic drill. Other supporting vehicles include a flatbed, survival shack and pick-up trucks for hauling personnel, equipment and supplies.

Environmental monitoring will be performed, including pre, during and post drilling inspections. Drill waste, if any due to no water being used, will be disposed of in natural depressions or sumps consistent with Part F, Item 4 of Baffinland's Type B Water Licence 2BE-MRY1421 (Type B Water Licence). Drill water runoff and siltation mitigation measures consistent with Baffinland's Environmental Protection Plan BAF-



PH1-830-P16-0008 r1 should not be required due to no water use and seasonal timing of the geotechnical program.

Despite best planning, it should be noted that unforeseen circumstances may necessitate some changes in planning as the program proceeds. Baffinland will endeavor to inform the Inspector and other relevant parties in such circumstances.

In accordance with the conditions of the Type B Water Licence, this letter and attachment provides Baffinland's notification for the drilling of a total fourteen (14) boreholes with proximity to nearby water bodies.

We trust that this information meets the various notification requirements for geotechnical drilling at the Project. Please do not hesitate to contact the undersigned, should you have any questions or comments.

Regards,

A handwritten signature in black ink, appearing to read "Chris Murray", written over the printed name.

Christopher Murray
Environmental & Regulatory Compliance Manager

Attachments:

Attachment 1 Proposed Borehole Location Plan – Tank Farm and Truck Workshop

Cc: Timothy Ray Sewell, Megan Lord-Hoyle, William Bowden, Connor Devereaux, Steve Borcsok.
Andrew Vermeer, Jude Orji (Baffinland)
Assol Kubeisinova, Karén Kharatyan (NWB)
Bridget Campbell, Ian Parsons, Wajid Daouda, Justin Hack (CIRNAC)
Fai Ndofor, Sean Joseph (QIA)


Attachment 1

Proposed Borehole Location Plan – Mary River Mine Airstrip Paving Evaluation

Q:\Edmonton\Engineering\E141\Projects\EARC03156-01_001.dwg [FIGURE 1] February 01, 2019 - 2:03:33 pm (BY: SCHOEPP, ANTHONY)



LEGEND:

 PROPOSED BOREHOLES



0 500m

Scale: 1:10,000 @ 11"x17"

PROPOSED BOREHOLE LOCATIONS			
BOREHOLE IDS	NORTHING	EASTING	
BH19-01	7914472.34	558543.97	
BH19-02	7914156.46	559002.68	
BH19-03	7914729.50	558182.90	
BH19-04	7914542.06	558317.28	
BH19-05	7914575.64	558445.03	

PROPOSED BOREHOLE LOCATIONS			
BOREHOLE IDS	NORTHING	EASTING	
BH19-06	7914417.52	558513.86	
BH19-07	7914240.60	558778.05	
BH19-08	7914303.72	558871.64	
BH19-09	7914167.44	559151.45	
BH19-10	7914047.41	559106.68	

PROPOSED BOREHOLE LOCATIONS			
BOREHOLE IDS	NORTHING	EASTING	
BH19-11	7914191.71	559271.21	
BH19-12	7914040.91	559292.21	
BH19-13	7913897.68	559308.71	
BH19-14	7913711.44	559608.61	

CLIENT		MARY RIVER MINE AIRSTRIP PAVING EVALUATION			
		BOREHOLE LOCATION PLAN			
		PROJECT NO. ENG.EARC03156-01	DWN EL/AS	CKD EG	REV A
OFFICE EDMONTON		DATE FEBRUARY 1, 2019		FIGURE 1	