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February 26, 2021

File: MV2020C0017
MV2020L8-0012

Andrew Williams, Environmental Manager
Pine Point Mining Ltd.
1100 Avenue des Canadian-de-Montreal, Bureau 300
Montreal, QC H3B 2S2

Sent via Email

Dear Andrew Williams:

**Re: Information Requests – Responses Required
Type A Water Licence and Type A Land Use Permit Applications
Pine Point Mining Limited – Confirmation and Exploration Program – Pine Point, NT**

Information Requests from the Technical Sessions held February 24-25, 2021 via Zoom and in Yellowknife, NT, have now been complied (Table 1), and are also available on our website. Please go to www.mvlwb.com under “Public Registry”, Pine Point Mining Limited.

Your responses should be submitted to the Mackenzie Valley Land and Water Board (MVLWB/the Board) by **March 12, 2021**. The Board and reviewers will use this information in the evaluation of the Applications. If Pine Point Mining Limited cannot meet any due dates, please contact Board staff for an extension request. Please note that any extension requests may result in change of work plan schedule.

If you have any questions or concerns regarding this request, please contact Jacqueline Ho at jho@mvlwb.com.

Yours sincerely,

A handwritten signature in cursive script that reads "Kimberley Murray".

Kimberley Murray
Regulatory Specialist

Copied to: Distribution List

Attached: Information Requests

INFORMATION REQUESTS

From the February 24-25, 2021 Mackenzie Valley Land and Water Board Technical Sessions
Pine Point Mining Limited (PPML) – Type A Water Licence and Type A Land Use Permit
Applications
MV2020L8-0012 & MV2020C0017

Table 1: Information Requests

#	Subject	Information Request
1	Groundwater Management Plan – Water Quality Database	PPML to provide the complete water quality database referenced in the presentation on slide 29 and discussed in the technical session. The database should be provided in Excel format.
2	Groundwater Management Plan – Criteria for Determining Compatibility	PPML to provide the criteria/method that will be used to determine if water quality between the extraction and injection sites are compatible. The criteria/method should consider both groundwater and pit lake sources and the following: <ul style="list-style-type: none"> • Identifying parameters of concern; • Defining compatibility criteria; • Method for determining compatibility; and • Provide an assessment if the injection of water to the subsurface or pits is a deposit of waste as guided by the <i>MVLWB Water and Effluent Quality Management Policy</i>.
3	Revised Water Withdrawal Plan	PPML to submit a revised Water Withdrawal Plan presenting the following: <ul style="list-style-type: none"> • A table with proposed water sources for which bathymetric information is available, also presenting the proposed water use for each source and estimated capacity; • A table with proposed water sources for which bathymetric information is not available (and requiring field verification of water depth before withdrawal), also presenting the proposed water use for each source and estimated capacity; and • Classification of each water source as either a lake, a pit, or an aquifer.
4	Waste Management Plan - Septic System and Wastewater Treatment Plant	PPML to provide details on the proposed options for the management of sewage (all toilet wastes and greywater) including, but not limited to, the following: <ul style="list-style-type: none"> • Description of sewage generation volume; and • Engineering designs for the storage, conveyance and treatment of sewage including: <ul style="list-style-type: none"> ○ Treatment mechanism(s); ○ Treatment efficacy; ○ Location and timing of effluent discharge; and ○ Assessment and mitigation of impacts from effluent discharge to the receiving environment.
5	Closure Cost Estimate	PPML to provide a revised RECLAIM estimate considering the following: <ul style="list-style-type: none"> • Estimate for hydrocarbon contaminated soil work (GNWT ID-53); • Blasting for the mineralogical sampling (Open Pit worksheet) (GNWT ID-54); and • The triggers of the staged security.

6	Draft Licence – Engineered Structure	The standard definition of Engineered Structure is any structure or facility related to Water Use or the deposit of Waste that is designed by a Professional Engineer. PPML to provide a complete list of Engineered Structures for the project.
7	Draft Licence – Construction Material	PPML to confirm whether any material on site would be used for construction of any structures.
8	Drilling Footprint	PPML to estimate the drilling footprint on brownfield vs. greenfield areas across the site.
9	Withdrawal Rate	PPML to confirm the withdrawal rate in cubic meters per day and cubic meters per second for aquifer testing.
10	Preliminary Screening	<p>PPML to provide or estimate the following information to assist Board staff draft the Preliminary Screening:</p> <ul style="list-style-type: none"> • PPML to discuss if there are additional impacts and mitigations associated with the updated withdrawal volume (up to 15,000 m³/day). • Extent of land area to be disturbed (m² or ha). • Extent of permafrost area to be disturbed (m² or ha). • The estimated maximum dispersal distance of air pollutants identified (including dust emission, air and greenhouse gas emissions of metals and organic micropollutant if sludge produced by treatment of sewage is incinerated, and emissions associated with blasting). • Extent of vegetation to be removed or compacted (m³ or ha). Indicate type(s) of vegetation to be removed or compacted: trees, shrubs, thickets, muskeg, Species at Risk plants, may-be-at-risk plant species. • Extent of aquatic habitat removed or disturbed for breeding, feeding, nesting, staging (m³ or ha). • Indicate types of aquatic species: Species at Risk, fish, mammals (furbearers), amphibians, aquatic macroinvertebrates, insects, aquatic macrophytes. • Are harvesting areas present? If so, indicate type(s): Community Harvesting Areas, Special Harvesting Areas, Group Trapping Areas, etc. • Extent of overlap of Project area with harvesting areas identified above (fish lakes, trapping or hunting areas) (m³ or ha). • If present, indicate types: places of significant cultural or spiritual value, heritage sites, important subsistence and harvesting areas (group trapping areas, camps, and log and timber harvesting areas, berry picking and medicine plant gathering areas), traditional trails, burial sites, sacred sites, archaeological or historic sites, artifacts and other objects of historical, cultural, or religious significance, historical or cultural records.