

MOUNT POLLEY MINING CORPORATION

MP00086

Mr. Roman Navratil,
Regional Water Manager
Ministry of Environment Lands and Parks
Ste 400 - 640 Borland St
Williams Lake, B.C. V2G 4T1

1627.01
6/3263
October 2, 1996

Dear Sir,

Re: Mount Polley Tailings Facility
Surface Water Control During Construction

Mount Polley Mining Corporation are in the process of constructing the first stage of the tailings dam, and will be relying on the area upstream of the dam for primary sediment control during the remainder of the construction program. Knight Piesold Ltd have specified that the embankment fill surface must be at an elevation of 918 m (approximately 2 m above the lower basin liner) prior to allowing water to be stored for primary settling and sediment control. The Contractor - North American Construction, have recently achieved this elevation and will no longer be able to rely on gravity diversion ditches to prevent water from accumulating behind the dam.

The depth - capacity relationship for the lower area of the tailings basin is as follows:

Elevation(m)	Capacity (cu m)
916	0
917	100,000
918	170,000
919	250,000
920	350,000
921	520,000

The average monthly runoff from within the tailings impoundment catchment area (Knight Piésold Report 1624/1) is about:

Month	Ave Precip Runoff (cu m)	Cumulative Runoff (cu m)
Oct	69,400	69,400
Nov	24,900	94,200
Dec	10,900	105,100
Jan	9,800	114,900
Feb	8,600	123,500
Mar	8,600	132,100

The cumulative runoff over the fall and winter months is expected to be about 132,000 cubic meters which would result in a pond level of about 917.5 m and a depth of water of about 1.5 m. Therefore, MPMC propose to temporarily store the total runoff during the fall and winter months in order to provide maximum sediment control provisions and to accumulate a small percentage of the water required for mill start-up in the late summer of 1997.

It is intended that the application to impound water behind the dam will be filed in December, 1996 so that the necessary permits are obtained prior to the scheduled date for the start of pumping from Polley Lake during spring freshet. Knight Piésold Ltd will be preparing the Operation and Maintenance Manual for the Tailings Impoundment as part of this application process. MPMC will maintain suitable pumping capacity (approx. 7000 gpm) at the tailings impoundment should water level control be required prior to receipt of the final authorizations from the Ministry of Environment Lands and Parks. MPMC will maintain sufficient freeboard above the sediment control pond water surface to ensure containment of storm events and/or will provide a suitable overflow structure. The specific requirements will be determined at the end of October, when the final elevation of the dam constructed in the 1996 season has been established.

We trust that this construction water management philosophy is consistent with the Ministries requirements for site water management. Please feel free to contact the

undersigned or Mr Ken Brouwer of Knight Piésold Ltd. (685-0543) if you have any comments or questions.

Yours very truly,
Mount Polley Mining Corporation



Per: Malcolm Swallow
Project Manager

cc: Mr Don Parsons, P.Eng (MPMC site)
Mr George Headley, P.Eng (Ministry of Employment and Investment)
Mr Ken Brouwer, P.Eng (Knight Piésold Ltd)

/kjb