

- LEGEND**
- 1997 Borrow Area Drillhole
  - 96-04 1996/1997 Test Pits
  - ⊕ CPT/PRW Investigation
  - ⊕ CW96-28 1996 Groundwater Monitoring Well
  - ⊕ TP95-29 1995 Test Pit
  - ⊕ TP91 1989 Test Pit
  - ⊕ MP89-223 Condemnation Drillhole
  - ⊕ MP89-231 Condemnation Drillhole with pneumatic and standpipe piezometer
  - ⊕ MP89-232 Condemnation Drillhole with standpipe piezometer

- NOTES**
1. Basin liner limits finalized from exploration trenches.
  2. All drillholes in tailings basin grouted as per technical specifications.
  3. As-built information provided by Mount Polley Mining Corporation.
  4. Topography not updated for 1997 flyover.
  5. Results of previous investigations are available in previously issued reports.
  6. Pipeline alignments to be updated based on as-built survey.

ORG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
	REFERENCE DRAWINGS			REVISIONS	

<b>KNIGHT PIESOLD LIMITED</b> CONSULTING ENGINEERS - VANCOUVER, B.C.		<b>MOUNT POLLEY MINING CORPORATION</b> <b>MOUNT POLLEY PROJECT</b>	
DESIGNED	PJP	<b>TAILINGS STORAGE FACILITY</b> <b>GEOLOGICAL INVESTIGATIONS</b> <b>LOCATION PLAN</b>	
DRAWN	TAM		
CHECKED	W		
APPROVED	KJB		
DATE	MAY 16, 1997	SCALE AS SHOWN	DRG. NO. 1627.001
			REV. C

Our Reference: VA101-01/8-A.01  
Continuity Nbr.: V5-0408

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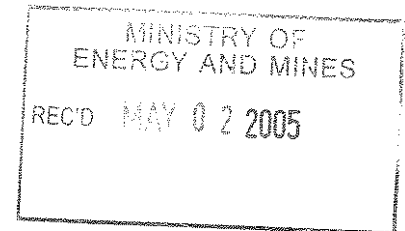
MP00139

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April 14, 2005

Mr. Chris Carr  
Ministry of Energy and Mines  
Mining Operations Branch  
P.O. Box 9320 Stn Prov Govt  
Victoria, B.C. V8W 9N3

**E-MAILED**  
15 April 2005



Dear Chris,

**Re: Mount Polley Mine Tailings Storage Facility  
Design of the Tailings Storage Facility to Ultimate Elevation**

The following are responses to your questions concerning the Design of the Tailings Storage Facility to Ultimate Elevation at Mount Polley Mine, (Ref. No. VA101-1/8-1).

1. *With respect to till core construction during cold weather conditions there is no mention of the need to scarify the frozen surface prior to placing the next lift.*

The till core surface during construction is typically irregular and rough from tire rutting, sequencing of fill placement, and protruding cobbles and gravel. All ice, snow and loose frozen fill materials must be removed from compacted fill surfaces prior to placing subsequent lifts but scarifying the frozen surface prior to placing the next lift is not required and does not present a stability concern.

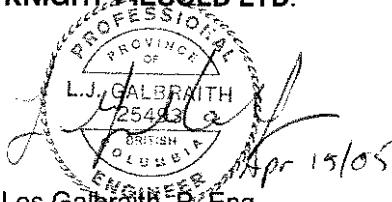
2. *Glaciolacustrine deposit is noted in GW96-1A on cross-sections 9 and 10. The material is described as firm. What are the characteristics and extent of this deposit and could it have an influence on dam stability locally?*

The glaciolacustrine deposit encountered in GW96-1A and shown on cross-sections 9 and 10 consists of glaciolacustrine layers (silt, some clay) with lesser fine-grained glaciofluvial layers (sand). The material was described as firm based on an SPT N value of 6. The glaciolacustrine unit encountered within the TSF basin is a continuous unit near the Main Embankment, but is only present as thin, discontinuous layers within the glacial till unit to the northeast near the Perimeter Embankment. This was investigated during development of the original borrow area during the initial Stage 1 construction program which involved excavating approximately 50 testpits and drilling approximately 22 hollow and solid stem auger holes on a 50 m grid pattern. The location of the original borrow area is illustrated on Drawing 1627.001. The borrow area was also inspected during Stage 2 construction. These investigations confirm that the glaciolacustrine deposit encountered in GW96-1A is a discontinuous unit and will not adversely affect the dam stability.

We trust that this meets your requirements at present. Please call me at the office if you have any questions.

Yours truly,

**KNIGHT PIESOLD LTD.**



Les Galbraith, P. Eng.  
Senior Engineer

A handwritten signature in cursive script, appearing to read "K. Brouwer".

Ken Brouwer, P.Eng.  
Managing Director

Encl: Drawing 1627.001 Rev 0      Geological Investigations – Location Plan

cc: Ron Martel, Mount Polley Mining Corporation

/ljg