

October 10, 2014

File No.:VA101-1/34-A.00
Cont. No.:VA14-01540



Mr. Al Hoffman, P.Eng, Chief Inspector of Mines
Mr. George Warnock, Manager of Geotechnical Engineering
Ministry of Energy and Mines
Mines and Mineral Resources Division
PO Box9320, Stn Prov Govt
6th Floor, 1810 Blanshard Street
Victoria, BC V8W 9N3

Dear Mr. Hoffman and Mr. Warnock,

Re: Order Pursuant to Section 8(1)b of the *Mines Act*

On September 26, 2014, Knight Piésold Ltd. (KP) received a letter dated September 24, 2014 delivered by Canada Post Registered Mail from Mr. Al Hoffman, P.Eng, Chief Inspector of Mines, ordering KP to provide certain information in accordance with Section 8.1(b) of the *Mines Act* (the “**Order**”).

This Order (attached) requires that KP provide electronic PDF format copies of the following documents:

- 1) Monthly hours by professional staff and technicians
 - a. Field Hours
 - b. Office Hours
- 2) Site Investigations Data (eg: Logs, lab testing, etc.)
- 3) Calculations (eg: Stability, water balance)
- 4) Deliverables
 - a. Reports
 - b. Technical Memorandum(s)
 - c. Minutes of Meetings
 - d. Letters
- 5) Construction Records
 - a. As Built documentation (survey, foundations)
 - b. Daily, weekly, monthly reports
 - c. Site visit letters, reports, memos, notes
 - d. QA/QC data
 - e. Photographs

In response to this Order, KP has prepared two reports and one table. The first report is titled, “Communications Relating to Transfer of Engineer of Record from Knight Piésold Ltd. to AMEC” (VA101-1/34-1). This report contains relevant communications from 2006 to 2014, including emails, letters, photographs, satellite images, memoranda, transmittals, presentations, and reports. The second report is titled, “Knight Piésold Ltd. Reports and Externally-Received Reports Relating to the Mount Polley Tailings Storage Facility” (VA101-1/34-2). This report contains relevant reports from 1990 to 2011.

The attached table provides a summary of the Monthly Hours by Professional Staff and Technicians Relating to the Mount Polley Tailings Storage Facility for the period of 2003 – 2014. These hours were extracted from our electronic files, as they are most accessible to provide information by the October 10 date. Prior years’ records are in paper form located in off-site storage and may not include a complete record. However, these hours can be compiled and provided, if required.

Since KP ceased as Engineer of Record in 2010, it has produced reports for Mount Polley Mining Corporation entitled “Hazeltine Creek Hydrologic Analysis” and “Diffuser Designs for Effluent Discharge into Polley Lake”.

These reports are not included as they appear to be outside of the Order. However, these reports will be produced if requested.

You will appreciate that in working with Mount Polley Mining Corporation for over 24 years, there are many boxes of technical information and correspondence in storage. KP has tried to provide the technical information and correspondence which it believes most relevant to your Order. If MEM believes there is additional technical information and correspondence which it would like to review, then KP can provide MEM with indices for the boxes in storage to assist MEM in determining whether it might require additional technical information or correspondence.

Please do not hesitate to contact me if KP can be of further assistance.

Best Regards,
KNIGHT PIESOLD LTD.

Signed:


FOK
=

Ken Brouwer, P.Eng.
President

Attachments:

- Appendix A Order under Section 8.1(b), *Mines Act*
- Appendix B "Communications Relating to Transfer of Engineer of Record from Knight Piésold Ltd. to AMEC" (VA101-1/34-1, Rev 0)
- Appendix C "Knight Piésold Ltd. Reports and Externally-Received Reports Relating to the Mount Polley Tailings Storage Facility" (VA101-1/34-2, Rev 0)
- Appendix D Summary of the Monthly Hours by Professional Staff and Technicians Relating to the Mount Polley Tailings Storage Facility for the period of 2003 – 2014

/gls

APPENDIX A

ORDER UNDER SECTION 8.1(B), MINES ACT

(Pages A-1 to A-2)



September 24, 2014

Knight Piesold
c/o Ken Brouwer, P.Eng.
750 W Pender St
Suite 1400
Vancouver, BC V6C 2T8

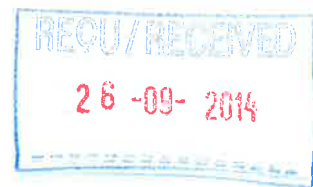
Dear Mr. Brouwer

On August 4, 2014 at approximately 0100 hours the Mount Polley Tailings Storage Facility (TSF) failed. As a result of the failure, an investigation has initiated under section 7 of the *BC Mines Act*.

In support of the investigation, the investigation team is collecting information that may assist in determining the root cause of the TSF failure.

It is my understanding that you or your company was involved in the design and/or oversight of a portion of the TSF. To support the investigation I am ordering you and your company to provide the following information in accordance with Section 8(1)b of the Mines Act:

1. Monthly hours by professional staff and technicians
 - a. Field hours
 - b. Office hours
2. Site Investigations Data (eg: logs, lab testing, etc.)
3. Calculations (eg: stability, water balance)
4. Deliverables
 - a. Reports
 - b. Technical Memorandum(s)
 - c. Minutes of Meetings
 - d. Letters
5. Construction Records
 - a. As built documentation (survey, foundations, etc.)
 - b. Daily, weekly, monthly reports
 - c. Site visit letters, reports, memo's, notes
 - d. QA/QC Data
 - e. Photographs



Ministry of Energy and Mines
Chief Inspector of Mines

Mines and Mineral Resources
Division

Mailing Address:
PO Box 9320, Stn Prov Govt
Victoria, BC V8W 9N3
Ph: (250) 952-0494
Facsimile: (250) 952-0491

Location:
6th Floor
1810 Blanshard Street
Victoria

To assist the review I order that all of the above material be supplied in an electronic .PDF format by October 10, 2014.

In accordance with Section 8(1)(a) of the BC Mines Act, the following Knight Piesold personnel are ordered to attend in person before an Inspector of Mines to answer questions relating to the Mt. Polley TSF:

| | |
|----------------------------|-----------------------------------|
| Charles Wilson Muir, P.Eng | Oct. 23 rd at 10:00 AM |
| Harvey Dew, P.Eng | Oct. 23 rd at 1:00 PM |
| Ken Embree, P.Eng | Oct. 23 rd at 4:00 PM |
| Leslie Galbraith, P.Eng | Oct. 24 th at 10:00 AM |
| Ken Brouwer, P.Eng | Oct. 24 th at 1:00 PM |

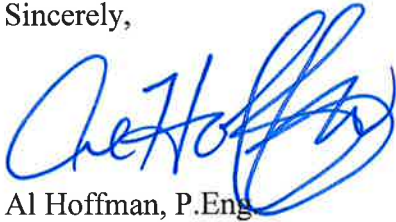
Please provide a copy of this letter to the above individuals.

Interviews will be conducted at the Mineral Titles Office, #300-865 Hornby St., Vancouver. Please confirm your attendance by email to MtPolleyInvestigation@gov.bc.ca.

If you have any further questions, please contact George Warnock, Manager of Geotechnical Engineering at 250 565-4457 or by email George.Warnock@gov.bc.ca.

Thank you, in advance, for your cooperation.

Sincerely,



Al Hoffman, P.Eng
Chief Inspector of Mines

cc: Charles Wilson Muir, P.Eng
Harvey Dew, P.Eng
Ken Embree, P.Eng
Leslie Galbraith, P.Eng

APPENDIX B

**“COMMUNICATIONS RELATING TO TRANSFER OF ENGINEER OF RECORD FROM
KNIGHT PIÉSOLD LTD. TO AMEC” (VA101-1/34-1, REV 0)**

**KNIGHT PIÉSOLD LTD.
MOUNT POLLEY TAILINGS BREACH**

**COMMUNICATIONS RELATING TO TRANSFER OF
ENGINEER OF RECORD FROM KNIGHT PIÉSOLD LTD.
TO AMEC**

PREPARED BY:

Knight Piésold Ltd.
Suite 1400 – 750 West Pender Street
Vancouver, BC V6C 2T8 Canada
p. +1.604.685.0543 • f. +1.604.685.0147

VA101-1/34-1
Rev 0
October 3, 2014

Knight Piésold
CONSULTING
www.knightpiesold.com

COMMUNICATIONS RELATING TO TRANSFER OF ENGINEER OF RECORD FROM KNIGHT PIÉSOLD LTD. TO AMEC

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|-----|-------------------|-------------------|-----|--------------------------|---|---|----------------------------|--|
| 1 | August 25, 2014 | VA14-01295 | n/a | Letter | Re: Conservation Officer Service – Major Investigations Unit | Ken Brouwer | Mike Sanderson | |
| 2 | April 23, 2014 | n/a | n/a | Letter Report (Incoming) | Phosphorus in Polley Lake (Minnow Environmental Report Jul 2, 2013) | Colleen Hughes (MPMC) | Violeta Martin | See External Reports List |
| 3 | April 23, 2014 | n/a | n/a | Report (Incoming) | Water Quality Evaluation of Polley & Bootjack Lakes Jul 2010 by Minnow Environmental | Colleen Hughes (MPMC) | Violeta Martin | See External Reports List |
| 4 | March 26, 2014 | n/a | n/a | Letter (Incoming) | Confirmation of Terms of Reference for Water Treatment | Brian Yamelst (MOE) | Colleen Hughes | |
| 5 | December 14, 2011 | VA11-01234 | n/a | Letter | Hazeltine Creek Flows - Response to Technical Review | Cameron Butt | Ron Martel | |
| 6 | December 14, 2011 | VA11-01344 | n/a | Letter | Sediment / Polishing Retention Pond Design | Violeta Martin | Ron Martel | |
| 7 | December 5, 2011 | n/a | n/a | Memo Report (Incoming) | Hazeltine Creek Nov 2011 Results from Field Program | Fred Burgess (Minnow Environmental) | Ron Martel | See External Reports List |
| 8 | August 4, 2011 | n/a | n/a | Report (Incoming) | Independent Review of Mount Polley Mine Technical Assmt Report for Proposed Discharge of Mine Effluent (2009) Final (June 2011) | Brian Olding & Associates in Association with LGL Ltd | First Nations & MPMC | See External Reports List |
| 9 | March 30, 2011 | VA11-00571 | n/a | Transmittal | .pdf of 'Stage 6 Design of the Tailings Storage Facility' report VA101-1/18-1 dated June 2007 | Greg Johnston | Denis Bernardi | |
| 10 | March 25, 2011 | n/a | n/a | Emails | Re: Mount Polley Data for Handover | Greg Johnston | Denis Bernardi, Ron Martel | cc: Ken Brouwer |
| 11 | March 25, 2011 | VA11-00526 | n/a | Transmittal | .xls file of inclinometer data .xls of drain flow data | Greg Johnston | Denis Bernardi | |
| 12 | March 25, 2011 | VA11-00522 | n/a | Transmittal | .pdf file of piezometer data sheets (calibration sheets) .xls file of vibrating wire piezometer installation data .xls file of vibrating wire piezometer readings | Greg Johnston | Denis Bernardi | |
| 13 | March 24, 2011 | VA11-00514 | n/a | Transmittal | Two CDs containing AutoCAD format drawings and .pdf copies of the drawings | Greg Johnston | Denis Bernardi | cc: Ron Martel |
| 14 | March 15, 2011 | VA11-00470 | n/a | Transmittal | Summary table and a copy of Knight Piésold letters sent to MPMC in 2010 and 2011 | Greg Johnston | Denis Bernardi | cc: Ron Martel |
| 15 | March 8, 2011 | n/a | 0 | Tables | Table 1 – Document Request Table 2 – Additional Information/Studies | n/a | n/a | Internal Tracking Tables |
| 16 | March 8, 2011 | VA11-00444 | n/a | Transmittal | .pdf of 'Design of the Tailings Storage Facility to Ultimate Elevation' report VA101-1/8-1 Rev 0 dated March 14, 2005 | Greg Johnston | Denis Bernardi | |
| 17 | March 3, 2011 | n/a | n/a | Letter (Incoming) | Site Water Management Letter | Ron Martel MPMC | Les Galbraith | |
| 18 | March 3, 2011 | n/a | n/a | Letter | Re: Mount Polley Mine – Site Water Management | Ron Martel | Les Galbraith | cc: Brian Kynoch, Tim Fisch, Ken Brouwer |
| 19 | February 16, 2011 | VA11-00288 | n/a | Letter | 2010 Hydrology of H7 (Flows in Hazeltine Creek) | Cameron Butt | Ron Martel | |
| 20 | February 16, 2011 | VA11-00321 | A | Table | .pdf table summarizing all Knight Piésold reports issued to Mount Polley | n/a | n/a | Internal Tracking Table |
| 21 | February 10, 2011 | VA11-00298 | n/a | Letter | Re: Mount Polley Tailings Storage Facility Engineer of Record | Ken Brouwer | Brian Kynoch | cc: Don Parsons, Ron Martel, Tim Fisch, Al Hoffman |

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|-----|--------------------|-------------------|-----|-------------|---|-----------------------------|--|---|
| 22 | February 3, 2011 | VA11-00252 | n/a | Letter | Re: Mount Polley Mine – Site Water Management | Les Galbraith | Ron Martel | cc: Tim Fisch, Brian Kynoch |
| 23 | January 31, 2011 | VA11-00257 | n/a | Transmittal | 1 CD containing PDF files of Report on Stage 6B Construction (VA101-1/29-1 Rev 1) and Report of 2010 Annual Inspection (VA101-1/29-2 Rev 1) | Greg Johnston | Ron Martel | |
| 24 | January 28, 2011 | VA11-00249 | n/a | Transmittal | 7 hard copies of Report on Stage 6B Construction (VA101-1/29-1 Rev 1) 7 hard copies of Report of 2010 Annual Inspection (VA101-1/29-2 Rev 1) | Greg Johnston | Ron Martel | |
| 25 | January 25, 2011 | VA101-1/29-2 | 1 | Report | Report on 2010 Annual Inspection | Greg Johnston | Ron Martel | Sent via VA11-00249 and VA11-00257 |
| 26 | January 10, 2011 | n/a | n/a | Emails | Re: Request for Proposal #MP-100 – Tailings Impoundment Design Services, Mt. Polley – Knight Piésold | Ken Brouwer | Art Frye | |
| 27 | January 10, 2011 | n/a | n/a | Emails | Re: Request for Proposal #MP-100 – Tailings Impoundment Design Services, Mt. Polley – Knight Piésold | Jeremy Haile | Ken Brouwer, Greg Smyth | Internal Communications |
| 28 | December 20, 2010 | VA10-01952 | n/a | Transmittal | .pdf of 'Report on 2010 Annual Inspection' (VA101-1/29-2 Rev 0) | Greg Johnston | Ron Martel | |
| 29 | December 17, 2010 | VA10-01946 | n/a | Transmittal | 7 hard copies of Report on Stage 6B Construction (VA101-1/29-1 Rev 0) 6 hard copies of Report of 2010 Annual Inspection (VA101-1/29-2 Rev 0) | Les Galbraith | Ron Martel | |
| 30 | December 16, 2010 | VA10-01883 | n/a | Transmittal | .pdf copy of Report on Stage 6B Construction (VA101-29/1-1 Rev 0) | Greg Johnston | Ron Martel | |
| 31 | November 23, 2010 | VA10-01620 | n/a | Letter | Re: Tailings Storage Facility Instrumentation Replacement Program, Drilling Cost Estimates | Ron Martel | Greg Johnston, Ken Brouwer | cc: Luke Moger |
| 32 | October 27, 2010 | n/a | n/a | Emails | Re: Request for Proposal #MP-100 – Tailings Impoundment Design Services, Mt. Polley – Knight Piésold | Denis Bernardi, Don Parsons | Ken Brouwer | cc: Jeremy Haile, Greg Smyth, Greg Johnston |
| 33 | October 20, 2010 | n/a | n/a | Emails | Fwd: Request for Proposal #MP-100 – Tailings Impoundment Design Services, Mt. Polley | Ken Brouwer | Greg Johnston, Les Galbraith, Greg Smyth | Original email from Denis Bernardi |
| 34 | October 14, 2010 | n/a | n/a | Article | The Williams Lake Tribune article "Mine Discharge Application Raises Concerns" | n/a | n/a | Published in Williams Lake Tribune |
| 35 | July 22, 2010 | VA10-01175 | n/a | Letter | Re: Instrumentation Repair, Productivity Upgrade and Remote Monitoring Capacity | Greg Johnston | Ron Martel | |
| 36 | May 20, 2010 | VA10-00866 | n/a | Letter | Hazeltine Creek Weir Design | Cameron Butt | Ron Martel | |
| 37 | May 5, 2010 | VA10-00709 | n/a | Letter | Hydrology Site Visit | Cameron Butt | Ron Martel | |
| 38 | April 27, 2010 | VA10-00389 | n/a | Memorandum | Re: Mt. Polley TSF - Snow and ice in the Perimeter Embankment | Mark Smith | Greg Johnston | cc: Les Galbraith |
| 39 | April 23, 2010 | VA10-00687 | n/a | Memorandum | Re: Monitoring of Inclinometers | Mark Smith | Ron Martel | cc: Greg Johnston |
| 40 | February 5, 2010 | VA10-00286 | n/a | Letter | South Embankment seepage recycle pond sizing | Mark Smith | Ron Martel | |
| 41 | January 5, 2010 | VA101-1/27-1 | 1 | Report | Report on 2009 Annual Inspection | Les Galbraith | Ron Martel | |
| 42 | November 25, 2009 | VA09-01636 | n/a | Letter | Site visit by Mark Smith 9-10 Nov., 2009 | Mark Smith | Ron Martel | |
| 43 | November 6, 2009 | VA09-01539 | n/a | Letter | Construction Material Volumes for Upcoming Embankment Raises | Mark Smith | Ron Martel | |
| 44 | September 28, 2009 | VA09-01329 | n/a | Memo | Site visit record 15 September 2009 by Mark Smith | Mark Smith | Ron Martel | |
| 45 | September 17, 2009 | VA09-01328 | n/a | Memo | Monitoring displacement in inclinometer SI01-02 | Mark Smith | Ron Martel | |
| 46 | September 15, 2009 | VA09-01314 | n/a | Letter | 2009 TSF Inspection MPMC | Les Galbraith | Ron Martel | |
| 47 | September 9, 2009 | VA09-01273 | n/a | Memo | Toe Drain conveyance pipe location (Main Embankment) | Mark Smith | Ron Martel | |
| 48 | September 1, 2009 | VA09-01236 | n/a | Memo | Monitoring displacement inclinometer SI01-02 lacustrine layer Aug 27 | Mark Smith | Ron Martel | |

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| 49 | August 26, 2009 | VA09-01219 | n/a | Memo | Monitoring displacement inclinometer SI01-02 Aug 20 | Mark Smith | Ron Martel | |
| 50 | August 14, 2009 | VA09-01160 | n/a | Memo | Monitoring displacement inclinometer SI01-02 Aug 6 | Mark Smith | Ron Martel | |
| 51 | August 13, 2009 | VA09-01064 | n/a | Letter | Filling Schedule & Construction Requirements for TSF | Mark Smith | Ron Martel | |
| 52 | August 6, 2009 | VA09-00991 | n/a | Memo | Monitoring displacement inclinometer SI01-02 Aug 6 | Mark Smith | Ron Martel | |
| 53 | July 23, 2009 | VA09-00609 | n/a | Letter | Alternative Assessment for Discharge of Excess Water | Alexis McPherson | Ron Martel | |
| 54 | July 10, 2009 | VA09-00961 | n/a | Memo | Monitoring displacement inclinometer SI01-02 Jul 1 | Mark Smith | Ron Martel | |
| 55 | July 3, 2009 | VA09-00838 | n/a | Letter | Buttress Requirement for the Main Embankment | Leila Morstabilini | Ron Martel | |
| 56 | June 25, 2009 | VA09-00929 | n/a | Letter | update to CORMIX letter VA09-00614 | Erin Rainey | Ron Martel | |
| 57 | June 12, 2009 | VA09-00867 | n/a | Memo | Monitoring of displacement of inclinometer SI01-02 Jun 11 | Mark Smith | Ron Martel | |
| 58 | June 10, 2009 | VA09-00848 | n/a | Memo | Monitoring of inclinometers SI01-02 displacement Jun 4 | Mark Smith | Ron Martel | |
| 59 | June 3, 2009 | VA09-00802 | n/a | Memo | Displacement monitoring for inclinometers SI01-02 May 19 | Mark Smith | Ron Martel | |
| 60 | June 3, 2009 | VA09-00804 | n/a | Memo | Monitoring displacement of inclinometers SI01-02 May 28 | Mark Smith | Ron Martel | |
| 61 | May 28, 2009 | VA09-00614 | n/a | Letter | CORMIX water quality modelling at W7 - Effluent Plume Delineation Study & Mass Balance Model | Erin Rainey | Ron Martel | |
| 62 | May 19, 2009 | VA09-00700 | n/a | Memo | Inclinometer monitoring displacement in SI01-02 | Mark Smith | Ron Martel | |
| 63 | May 15, 2009 | VA09-00095 | n/a | Letter | Chemical Characterization of Proposed Effluent for Discharge to Hazeltine Creek | Rosie Perrin | Ron Martel | |
| 64 | May 11, 2009 | VA09-00617 | n/a | Letter | Sediment / Polishing Retention Pond Revision | Amanda Strouth | Ron Martel | |
| 65 | May 6, 2009 | VA09-00666 | n/a | Memo | Monitoring of displacement Inclinometer SI01-02 | Mark Smith | Ron Martel | |
| 66 | May 4, 2009 | VA09-00646 | n/a | Memo | Ongoing monitoring of displacement at 10m inclinometer SI01-02 April 29 | Mark Smith | Ron Martel | |
| 67 | April 30, 2009 | VA09-00584 | n/a | Letter | Hazeltine Creek Geomorphology | Toby Perkins | Ron Martel | |
| 68 | April 28, 2009 | VA09-00597 | n/a | Memo | Assesment of inclinometer displacement Readings Apr 22, 2009 | Mark Smith | Ron Martel | |
| 69 | April 23, 2009 | VA08-01858 | n/a | Letter | Recommended Maximum Discharges from Mount Polley TSF to Hazeltine Creek | Oscar Gustafson | Ron Martel | |
| 70 | April 22, 2009 | VA09-00589 | n/a | Memo | April 16 inclinometer reading | Les Galbraith | Ron Martel | |
| 71 | April 14, 2009 | VA09-00482 | n/a | Memo | Inclinometer reading SI01-02 | Mark Smith | Ron Martel | |
| 72 | April 14, 2009 | VA09-00317 | n/a | Letter | Assessment of Hazeltine Creek Flows - Regressive Analysis with Emphasis on Low Flows | Cameron Butt | Ron Martel | |
| 73 | April 9, 2009 | VA09-00298 | n/a | Letter | Mt Polley Closure Water Balances for Predicted Discharge Flows | Alexis McPherson | Ron Martel | |
| 74 | April 6, 2009 | VA09-00461 | n/a | Memo | Assesment of inclinometer readings from April 1 2009 | Mark Smith | Ron Martel | |
| 75 | April 1, 2009 | VA09-00434 | n/a | Memo | Monitoring displacement in inclinometer SI01-02 | Mark Smith | Ron Martel | |
| 76 | March 24, 2009 | VA09-00381 | n/a | Memo | Monitoring displacement in inclinometer SI01-02 | Mark Smith | Ron Martel | |
| 77 | March 17, 2009 | VA09-00360 | n/a | Memo | Monitoring displacement in inclinometer SI01-02 | Mark Smith | Ron Martel | |
| 78 | March 6, 2009 | VA09-00304 | n/a | Memo | Monitoring displacement in inclinometer SI01-02 | Carolyn Grise | Ron Martel | |

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| 79 | February 27, 2009 | VA09-00256 | n/a | Letter | Site visit letter report February 2009 inclinometer shows possible dam displacement | Mark Smith | Ron Martel | |
| 80 | February 25, 2009 | VA101-1/24-1 | 0 | Report | Report on 2008 Annual Inspection | Les Galbraith | Ron Martel | |
| 81 | December 5, 2008 | VA08-02223 | n/a | Letter | Buttress Requirements for Main Embankment | Andre Gagnon | Ron Martel | |
| 82 | August 5, 2008 | VA08-01436 | n/a | Memo | RE: Geotechnical Inspection by MEMPR | Scott Rees | Ron Martel | |
| 83 | July 30, 2008 | VA08-01502 | n/a | Letter | Retrospective Review of Hazeltine Creek Flows | Cameron Butt | Ron Martel | |
| 84 | July 24, 2008 | VA08-01473 | n/a | Letter | Capacity of Existing Mine Tailings Pipeline | Harvey Dew | Don Parsons | |
| 85 | June 2, 2008 | VA08-01200 | n/a | Letter | Stage 6 instrumentation | Les Galbraith | Ron Martel | |
| 86 | April 22, 2008 | n/a | n/a | Letter (Incoming) | RE: TSF 2007 Annual Inspection | Chris Carr (MEMPR) | General Manager MPMC | |
| 87 | March 27, 2008 | VA101-1/14-1 | 0 | Report | Report on Stage 5 Construction | Carolyn Grise | Ron Martel | |
| 88 | March 14, 2008 | VA08-00612 | n/a | Letter | Updated OM&S manual with piezometric and inclinometer trigger levels | Eric Coffin | Ron Martel | |
| 89 | March 4, 2008 | VA08-00488 | n/a | Letter | 2007 Hydrology Review - Hazeltine Creek | Cameron Butt | Ron Martel | |
| 90 | December 19, 2007 | VA07-01853 | n/a | Letter | Response to Chris Carr comments | Les Galbraith | Chris Carr | |
| 91 | December 19, 2007 | VA101-1/20-1 | 0 | Report | Report on 2007 Annual Inspection | Les Galbraith | Ron Martel | |
| 92 | November 16, 2007 | VA07-01589 | n/a | Letter | Hazeltine Creek Geomorphology - Regime Modeling to Predict Changes in Channel Characteristics | Toby Perkins | Ron Martel | |
| 93 | September 21, 2007 | VA07-01221 | n/a | Letter | Borrow area geotechnical site investigations | Josie Speed | Ron Martel | |
| 94 | June 29, 2007 | VA07-00671 | n/a | Memo | Hydrology Site Visit Summary May 2007 | Cameron Butt | Ron Martel | |
| 95 | June 29, 2007 | VA07-00676 | n/a | Letter | Flow through pond downstream of Perimeter Embankment | Carolyn Grise | Ron Martel | |
| 96 | June 18, 2007 | VA101-1/18-1 | 0 | Report | Stage 6 Design of the Tailings Storage Facility | Greg Johnston | Denis Bernardi | Sent via VA11-00571 |
| 97 | April 20, 2007 | VA07-00416 | n/a | Letter | Initial Effluent Plume Delineation Study for Hazeltine Creek - Updated (CORMIX) | Erin Rainey | Ron Martel | |
| 98 | April 1, 2007 | n/a | n/a | Presentation | Mount Polley Project | Les Galbraith | KP Staff | Internal Presentation to Staff |
| 99 | March 15, 2007 | VA07-00384 | n/a | Letter | SOP for proper piezometer installations and recordings | Eric Coffin | Ron Martel | |
| 100 | March 14, 2007 | VA07-00160 | n/a | Letter | Effluent plume delineation of Hazeltine Creek at W7 | Erin Rainey | Ron Martel | |
| 101 | March 14, 2007 | VA07-00199 | n/a | Letter | Chemical Analysis of Effluent | Rosie Perrin | Ron Martel | |
| 102 | March 14, 2007 | VA07-00359 | n/a | Letter | Hydrology Review for Hazeltine Creek Station W7 | Erin Rainey | Ron Martel | |
| 103 | March 14, 2007 | VA07-00362 | n/a | Letter | Revised Seepage Estimate Letter | Eric Coffin | Ron Martel | |
| 104 | March 6, 2007 | VA06-01778 | n/a | Letter | Mt Polley Hydrology Review for Hazeltine Creek at W7 | Erin Rainey | Ron Martel | |
| 105 | March 5, 2007 | VA07-00328 | n/a | Letter | revised Stage 6 scope | Les Galbraith | Ron Martel | |
| 106 | February 28, 2007 | VA07-00322 | n/a | Letter | Mt Polley - Responses to comments by Ministry of Energy | Brett Garland | Paul Sterling | |
| 107 | February 26, 2007 | n/a | n/a | Presentation | Mount Polley Project – Tailings Facility Summary | Les Galbraith, Ken Brouwer, Greg Smyth | Art Frye, Ron Martel, Don Parsons | Presentation at MPMC Offices |
| 108 | February 6, 2007 | VA07-00202 | n/a | Letter | Upstream Toe Drain Seepage Estimations | Eric Coffin | Ron Martel | |

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| 109 | January 29, 2007 | VA07-00172 | n/a | Letter | Mt Polley Stage 6 | Les Galbraith | Ron Martel | |
| 110 | December 18, 2006 | n/a | n/a | Email | Suggestion that separate Annual Inspection Report may not be necessary and instead include content in the 2006 Construction Report | Ken Brouwer | Ron Martel | cc: Les Galbraith |
| 111 | December 1, 2006 | n/a | n/a | Appendix | Reference Documents and Review Commentary | n/a | n/a | Taken from AMEC Dam Safety Review |
| 112 | November 20, 2006 | VA06-01588 | n/a | Memo | LJG Nov 2006 Site Visit Memo | Les Galbraith | Ron Martel | |
| 113 | September 22, 2006 | n/a | n/a | Letter (Incoming Copy from MEMPR) | Report of Inspector of Mines Geotechnical (Aug 30, 2006) | Nick Rose MEMPR | Chris Carr MEMPR | |
| 114 | August 15, 2006 | n/a | n/a | Fax | Amendment to Permit M-200 From F.W.Herman to Howard Bradley (MPMC) Aug 2-2006 | Ron Martel MPMC | Les Galbraith | |
| 115 | July 26, 2006 | VA06-01198 | n/a | Letter | Formal Dam Safety Review of Tailings Dam | Graham Greenaway | Ron Martel | Proposal Correspondence |
| 116 | May 31, 2006 | VA06-00833 | n/a | Letter | ARCL - Inv. 12351 - 101-1/10 | Suzanne Parsons | Accounts Payable MPMC | |
| 117 | February 10, 2006 | VA06-00241 | n/a | Letter | We have completed an analysis of the requirements for pumping and piping to dispose of water | Les Galbraith | Don Parsons | |
| 118 | March 14, 2005 | VA101-1/8-1 | 0 | Report | Design of the Tailings Storage Facility to Ultimate Elevation | Les Galbraith | MPMC | |
| 119 | February 3, 2005 | n/a | n/a | Presentation | Mount Polley Project – Tailings Facility Summary | KP | MPMC | |

APPENDIX C

**“KNIGHT PIÉSOLD LTD. REPORTS AND EXTERNALLY-RECEIVED REPORTS RELATING TO THE
MOUNT POLLEY TAILINGS STORAGE FACILITY” (VA101-1/34-2, REV 0)**

**KNIGHT PIÉSOLD LTD.
MOUNT POLLEY TAILINGS BREACH**

**KNIGHT PIÉSOLD LTD. REPORTS AND
EXTERNALLY-RECEIVED REPORTS RELATING TO THE
MOUNT POLLEY TAILINGS STORAGE FACILITY**

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VA101-1/34-2
Rev 0
October 3, 2014

Knight Piésold
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**KNIGHT PIESOLD LTD. REPORTS AND EXTERNALLY-RECEIVED REPORTS RELATING TO THE
MOUNT POLLEY TAILINGS STORAGE FACILITY**

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KP REPORTS

| No. | Reference Number | Rev | Report Title | Date of Issue |
|------------|-------------------------|------------|--|----------------------|
| 1 | VA101-1/29-2 | 1 | TSF Report on 2010 Annual Inspection | January 25, 2011 |
| 2 | VA101-1/29-1 | 1 | TSF Report on Stage 6b Construction | January 25, 2011 |
| 3 | VA101-1/29-2 | 0 | TSF Report on 2010 Annual Inspection | December 18, 2010 |
| 4 | VA101-1/29-1 | 0 | TSF Report on Stage 6b Construction | December 15, 2010 |
| 5 | VA101-1/27-1 | 1 | TSF Report on 2009 Annual Inspection | January 5, 2010 |
| 6 | VA101-1/27-1 | 0 | TSF Report on 2009 Annual Inspection | December 18, 2009 |
| 7 | VA101-1/23-1 | 0 | TSF Report on Stage 6A Construction | July 10, 2009 |
| 8 | VA101-1/24-1 | 0 | TSF Report on 2008 Annual Inspection | February 25, 2009 |
| 9 | VA101-1/14-1 | 0 | Report on Stage 5 Construction | April 10, 2008 |
| 10 | VA101-1/20-1 | 0 | TSF Report on 2007 Annual Inspection | March 19, 2008 |
| 11 | VA101-1/18-1 | 0 | Stage 6 Design of TSF | June 18, 2007 |
| 12 | VA101-1/10-1 | 0 | Report on Stage 4 Construction | March 13, 2007 |
| 13 | VA101-1/17-1 | 0 | Test Heap Leach Pad Construction Report | March 12, 2007 |
| 14 | VA101-1/15-2 | 1 | Report on Feasibility Design of Test Heap Leach Pad | October 30, 2006 |
| 15 | VA101-1/15-2 | 0 | Report on Feasibility Design of Test Heap Leach Pad | September 15, 2006 |
| 16 | VA101-1/15-1 | 0 | Test Heap Leach Facility Technical Specifications | September 15, 2006 |
| 17 | VA101-1/12-1 | 0 | Stage 5 Design of the TSF | July 12, 2006 |
| 18 | VA101-1/11-1 | 0 | TSF Report on 2005 Annual Inspection | May 3, 2006 |
| 19 | VA101-1/5-2 | 0 | Report on Stage 3C Construction | September 23, 2005 |
| 20 | VA101-1/8-1 | 0 | Design of the TSF to Ultimate Elevation | March 14, 2005 |
| 21 | VA101-1/7-1 | 0 | TSF Report on 2004 Annual Inspection | February 8, 2005 |
| 22 | VA101-1/9-1 | 0 | Operation, Maintenance and Surveillance Manual | December 22, 2004 |
| 23 | VA101-1/9-1 | B | Operation, Maintenance and Surveillance Manual | December 15, 2004 |
| 24 | VA101-1/2-1 | 0 | Report on Feasibility Design of Leach Pad and Ponds | September 13, 2004 |
| 25 | VA101-1/3-1 | 0 | TSF Report on 2002 Annual Inspection | April 30, 2003 |
| 26 | 11162/13-3 | 0 | Operation, Maintenance and Surveillance Manual for Stage 3 (El.945) Embankment | October 26, 2001 |
| 27 | 11162/14-3 | 0 | Report on Stage 3 Construction | October 19, 2001 |
| 28 | 11162/14-2 | 0 | Report on 2000 and 2001 Annual Inspection | October 3, 2001 |
| 29 | 11162/14-1 | A | Tender Documents for Construction of Stage 3B TSF | June 27, 2001 |
| 30 | 11162/13-9 | 0 | Report on 1999 Annual Inspection | October 16, 2000 |
| 31 | 11162/13-5 | 0 | Report on 1999 Construction | August 23, 2000 |
| 32 | 11162/13-8 | A | Tailings Storage Facility, Rock Borrow Bench Stability Assessment | August 18, 2000 |
| 33 | 11162/13-7 | 0 | Site Inspection Manual for Stage 3 Construction, Main and South Embankments | June 23, 2000 |
| 34 | 11162/13-2 | 2 | Contract Documents for Construction of Stage 3 TSF | June 8, 2000 |
| 35 | 11162/13-4 | 0 | Addendum to Report on Cycloned Sand Construction of Stage 3 and On-going Stages of The TSF | May 11, 2000 |

| No. | Reference Number | Rev | Report Title | Date of Issue |
|-----|------------------|-------|--|--------------------|
| 36 | 11162/13-6 | 0 | Stage 3 TSF Selected Excerpts from Reference Information | April 20, 2000 |
| 37 | 11162/13-4 | A | Addendum to Report on Cycloned Sand Construction of Stage 3 and On-going Stages of The TSF | April 20, 2000 |
| 38 | 11162/13-1 | 0 | Project Procedures Manual for Stage 2C and 3 TSF | March 15, 2000 |
| 39 | 11162/12-2 | 0 | Report on Cycloned Sand Construction of Stage 3 and On-going Stages of the TSF, Volumes I and II | December 13, 1999 |
| 40 | 11162/12-1 | 0 | Project Procedures Manual | October 13, 1999 |
| 41 | 11162/11-1 | 0 | Evaluation of Cycloned Tailings Embankment Construction | June 16, 1999 |
| 42 | 11162/10-1 | 0 | Report on 1998 Construction and Annual Inspection | June 16, 1999 |
| 43 | 10162/9-5 | n/a | 1998 Annual Inspection Report | June 26, 1998 |
| 44 | 10162/9-4 | n/a | Contract Documents for Stage 2A Tailings Facility Construction | January 29, 1998 |
| 45 | 10162/9-3 | n/a | Report on On-going Construction Requirements | December 2, 1997 |
| 46 | 10162/7-3 | n/a | Tailings Storage Facility, Maintenance and Surveillance Manual for Stage 1b Embankment (El.934m) | November 24, 1997 |
| 47 | 10162/9-1 | n/a | Tender Documents for Stage 2A Tailings Facility Construction | November 11, 1997 |
| 48 | 10162/9-2 | n/a | Stage 2A Tailings Facility Construction, Selected Excerpts from Reference Information | November 6, 1997 |
| 49 | 10162/7-5 | n/a | Report on Stage 1a/1b Construction | August 14, 1997 |
| 50 | 1627/2 | n/a | Tailings Storage Facility, Updated Design Report | June 6, 1997 |
| 51 | 1627/4 | n/a | Tailings Storage Facility and Ancillary Features, May 1, 1997 Site Inspection | June 3, 1997 |
| 52 | 1625/5 | n/a | Manual on Sampling and Handling Guidelines for Determination of Groundwater Quality | May 8, 1997 |
| 53 | 1627/1 | n/a | Operation, Maintenance and Surveillance Manual for Stage 1a Embankment (El.927m) | March 11, 1997 |
| 54 | 1628/5 | n/a | Polley Lake Pumping System | February 19, 1997 |
| 55 | 1628/4 | n/a | 1996 Groundwater Monitoring Well Installation Program | February 7, 1997 |
| 56 | 1628/3 | n/a | Specification for Drilling, Monitoring Well Installations and Related Services | September 18, 1996 |
| 57 | 1625/8 | DRAFT | Requirements and Specifications for the 1996 Groundwater Monitoring Program | September 12, 1996 |
| 58 | 1625/7 | n/a | Response to Review Comments on Groundwater Monitoring Program | September 12, 1996 |
| 59 | 1628/1 | n/a | Report on Geotechnical Investigations and Design of Open Pits and Waste Dumps | July 5, 1996 |
| 60 | 1624/2 | n/a | Groundwater Monitoring Project | June 3, 1996 |
| 61 | 1625/3 | DRAFT | TSF and Ancillary Works, Part 10 – Technical Specifications | May 25, 1996 |
| 62 | 1625/6 | n/a | Response to Review Comments on Tailings Embankment Design | January 25, 1996 |
| 63 | 1625/2 | n/a | Tailings Storage Facility Site Inspection Manual | May 26, 1995 |

| No. | Reference Number | Rev | Report Title | Date of Issue |
|-----|------------------|-----|---|-------------------|
| 64 | 1625/1 | n/a | TSF Design Report: Vol 1 – Main Report, Vol II – Appendices | May 26, 1995 |
| 65 | 1623/1 | n/a | Report on 1995 Geotechnical Investigations for Mill Site and TSF | March 14, 1995 |
| 66 | 1624/1 | n/a | Report on Project Water Management | February 6, 1995 |
| 67 | 11162/1-2 | n/a | Stage I Environmental and Socioeconomic Impact Assessment | January 1991 |
| 68 | 11162/1-1 | n/a | Report on Geotechnical Investigations and Design of Open Pit, Waste Dumps and TSF | February 19, 1990 |

EXTERNAL REPORTS

| No. | Author | Report Title | Date of Issue |
|-----|---|--|------------------|
| 69 | Minnow Environmental Inc. | Phosphorus in Polley Lake | July 2, 2013 |
| 70 | Minnow Environmental Inc. | Hazeltine Creek November 2011 Results | December 5, 2011 |
| 71 | MPMC Imperial Metals Corp. | Hazeltine Creek Toe Drain Discharge Strategy DRAFT | October 2011 |
| 72 | Brian Olding & Associates Ltd., LGL Limited | Independent Review of the Mount Polley Mine Technical Assessment Report for a Proposed Discharge of Mine Effluent (2009) | June 2011 |
| 73 | Minnow Environmental Inc. | Evaluation of the Water Quality of Polley and Bootjack Lakes | July 2010 |
| 74 | MPMC | Technical Assessment Report for a Proposed Discharge of Mine Effluent – Report and Appendices | July 2009 |
| 75 | Minnow Environmental Inc. | Hazeltine Creek Habitat Characterization – Report and Appendices | April 2007 |
| 76 | AMEC Earth & Environmental Limited | Final Report – Dam Safety Review – Mount Polley Mine – Likely, British Columbia | December 2006 |
| 77 | Golder Associates Ltd. | Draft Report on Hydrogeological Investigation Proposed Wishbone Open Pit – Mt. Polley Mining Corporation – Likely, B.C. | October 18, 2014 |
| 78 | MAJM Corporation Ltd. | Geotechnical Review, Drainage Aspects, Tailings Retention Structures, Mt. Polley Project, B.C. | March 3, 1997 |
| 79 | Leslie Smith, Ph.D. | Mt. Polley Project – Groundwater Monitoring Program | August 28, 1996 |
| 80 | Knight Piésold Ltd. | Correspondence for Groundwater Monitoring Review | August 22, 1996 |
| 81 | Knight Piésold Ltd. | Telephone Conversation Record Re: Groundwater Monitoring Review | August 9, 1996 |

APPENDIX D

**SUMMARY OF THE MONTHLY HOURS BY PROFESSIONAL STAFF AND TECHNICIANS RELATING TO
THE MOUNT POLLEY TAILINGS STORAGE FACILITY FOR THE PERIOD OF 2003 – 2014**

