

## **Vanderburgh, Ken FLNR:EX**

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**From:** Weir, David J FLNR:EX  
**Sent:** Tuesday, August 19, 2014 4:50 PM  
**To:** Goad, Jennifer FLNR:EX  
**Cc:** Vanderburgh, Ken FLNR:EX  
**Subject:** FW: Water Act order  
**Attachments:** RE: Mt Polley

**Importance:** High

Please find the attached document as requested. I am currently nearing completion of the replacement of this order which I intend to have completed late Thursday. I apologize that this document was somewhat informal but time was of the essence.

David Weir  
Water Section Head,  
Ministry of Forest Lands and Natural Resource Operations  
Williams Lake, BC  
[David.J.Weir@gov.bc.ca](mailto:David.J.Weir@gov.bc.ca)  
(250) 398 4924  
Cell 250 267-5925

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**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Tuesday, August 19, 2014 10:16 AM  
**To:** Weir, David J FLNR:EX  
**Subject:** Fw: Water Act order  
**Importance:** High

David can you forward a copy of the Polley order to Jennifer Goad

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**From:** Stolar, Harold B FLNR:EX  
**Sent:** Tuesday, August 19, 2014 10:12 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** Water Act order

Hi Ken, I had a discussion with Jennifer Goad yesterday and she was wondering if she could get a copy of the Water Act order that David Weir issued to Mt Polley.

Thanks.

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*Inspiring Stewardship through Respectful Conversation*

Harold B. Stolar  
Resource Manager  
Cariboo-Chilcotin District  
250 398-4372  
cell 250 305-9344



## **Vanderburgh, Ken FLNR:EX**

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**From:** Weir, David J FLNR:EX  
**Sent:** Tuesday, August 5, 2014 3:15 PM  
**To:** XT:Carpenter, Penny FLNR:IN; Rothman, Stephen MEM:EX  
**Cc:** Vanderburgh, Ken FLNR:EX; Stewart, Rodger W FLNR:EX  
**Subject:** RE: Mt Polley

Hello, at this time it is our understanding that Stephen Rothman has the authority under the mines act to order the necessary measures to contain and remove the debris in Quesnel Lake and to authorize the management of the water level on Polley lake.

However: to remove any confusion and to address any shortcoming that might exist between the Mines Act, Water Act and the MOU that guides there coordination I order under Section 85 as follows;

Subject to the requirements of the Mines Act and MOU

[http://www.env.gov.bc.ca/wsd/sla\\_mou/mempr\\_mou%202009.pdf](http://www.env.gov.bc.ca/wsd/sla_mou/mempr_mou%202009.pdf) and as it is in the public interest for the protection of safety and the integrity of Hazeltine Creek, Polley Lake, Quesnel Lake and the Quesnel River, recognizing the Mt Polley Mine's willingness to undergo the required work at their own cost and save the province harmless:

- 1) Under the direction of suitably qualified professionals licenced in the Province of BC the corporation is ordered to collect and remove such debris from Quesnel Lake, as a result of the Mt Polley tailings pond failure, as would threaten road infrastructure and stream channel stability. The manner and nature to be suitable to impacted parties Federal Agencies and the Province.
- 2) Under the direction of suitably qualified and experienced professionals licenced in the Province of BC; maintain the Lake level of Polley Lake in a manner that prevents further mass movement of material from Polley lake and Hazeltine Creek.
- 3) This order does not superseded any other legislation, agency, or government authority nor does it save them harmless.
- 4) This order is not intended to mitigate or limit the future punitive action of government with respect any non compliance by Mt Polley Mine.
- 5) This order is a temporary measure and is subject to cancelation or modification under the authority of the Water Act Mines Act or the MOU.
- 6) This order doe not authorize the entry onto private lands.

If necessary a more formal and document can be provided at a future date and in the absence of any direction to the contrary it should be considered to be expired as of August 22<sup>nd</sup> 2014 if not renewed. In addition to the general protection of public interest the specific purpose is to protect the bridge at Likely and to prevent secondary mass movements of material from the failure.

If there are any questions or you feel there is error please contact me. Keeping in mind the rushed nature of this document.

David Weir  
Water Section Head,  
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Williams Lake , BC  
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(250) 398 4924  
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**From:** Penny Carpenter | s.22  
**Sent:** Tuesday, August 5, 2014 12:46 PM  
**To:** Weir, David J FLNR:EX  
**Subject:** RE: Mt Polley

Hi David

The Mines Gentleman Steve Rothman will be contacting you regarding the breach of the tailing pond. He will be able to fill you in and maybe it will help the work load so things are not getting duplicated.

Penny Carpenter

**From:** Weir, David J FLNR:EX [<mailto:David.J.Weir@gov.bc.ca>]  
**Sent:** August-05-14 11:41 AM  
**To:** XT:Carpenter, Penny FLNR:IN  
**Subject:** Mt Polley

As per our discussion

David Weir  
Water Section Head,  
Ministry of Forest Lands and Natural Resource Operations  
Williams Lake , BC  
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## Vanderburgh, Ken FLNR:EX

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**From:** Stolar, Harold B FLNR:EX  
**Sent:** Wednesday, August 13, 2014 5:03 PM  
**To:** Thomas, Vivian P GCPE:EX  
**Cc:** MacDougall, Gerry L FLNR:EX; Vanderburgh, Ken FLNR:EX  
**Subject:** Re: Mt Polley - FLNR

District had meeting with Imperial Metals this morning to discuss logistics of the lake clean up and processing of material. Their agreement to use WFs reload is not finalized yet but we believe it will happen soon. FLTC for Imperial Metals is ready for their signing, will send it out tomorrow.

Have meeting with WF tomorrow to update ministry on discussions they had with IM today.

It appears there may need to make some improvements to reload to facilitate the sorting of material in the water. This would require an amendment to WFs SUP (issued out of the district) for the reload. Basic suggestion is building a rock pier 30 metres or so into Quesnel Lake.

That's about it for now. Update you tomorrow.

Sent from iPhone

On Aug 13, 2014, at 4:25 PM, "Thomas, Vivian P GCPE:EX" <[Vivian.Thomas@gov.bc.ca](mailto:Vivian.Thomas@gov.bc.ca)> wrote:

Hi! Any update?

Thx,

Vivian

**From:** Stolar, Harold B FLNR:EX  
**Sent:** Sunday, August 10, 2014 11:50 AM  
**To:** MacDougall, Gerry L FLNR:EX  
**Cc:** Stewart, Rodger W FLNR:EX; Thomas, Vivian P GCPE:EX; Vanderburgh, Ken FLNR:EX; Hamm, Mark FLNR:EX  
**Subject:** Re: Mt Polley - FLNR

Viv, the district is determining and will issue appropriate tenures to remove, process and utilize material from Quesnel Lake. One tenure to Imperial Metals to remove and sort material with no rights to the timber. This will be a forestry lic to cut. A second forestry lic to cut will be issued to (most likely) West Fraser to utilize material in the most appropriate manner; sawlog, pulp and hog fuel.

Challenges are that IM will need to have an agreement with WF to use there foreshore and reload tenure prior to FLNRO issuing FLTC to IM. In my discussions with WF talks have occurred however no agreement has been reached that I'm aware of. Second challenge is to determine an appropriate stumpage rate given condition of the material (logs, pieces, branches and stumps). South Area revenue staff are assisting in generating a rate.

My understanding WF and IM are meeting this Wednesday at the reload. Once we are satisfied the agreements are in place between IM and WF district can issue tenure immediately.

Feel free to contact me if you require any clarification.

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***Inspiring Stewardship through Respectful Conversation***

Harold

On Aug 10, 2014, at 9:37 AM, "MacDougall, Gerry L FLNR:EX"  
<Gerry.MacDougall@gov.bc.ca> wrote:

Hi Harold and Rodger,

Can you please give Vivian (with cc to me) a few bullets respectively on progress/forecast on the following:

- when are the permits for woody debris removal expected to be in place and what is name of permit?
- how long is fish tissue analysis expected to take and which type of fish are being sampled?

Thank you,

Gerry

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**From:** Thomas, Vivian P GCPE:EX

**Sent:** August-10-14 9:21 AM

**To:** MacDougall, Gerry L FLNR:EX; Stewart, Rodger W FLNR:EX; Symonds, Brian FLNR:EX

**Subject:** Mt Polley - FLNR

Hi! This is summary points from last night's PECC call attributable to FLNR. They're going to include the wildlife bullets in today's public fact sheet.

**FLNRO**

- Working with Imperial Metals Corporation to provide appropriate permitting for woody debris removal and disposal.
- A wildlife team is available to investigate reported wildlife concerns.
- No adverse affects on wildlife have been observed to date.

- Six freshwater fish have been collected for tissue analysis.

A couple of questions on the others:

- when are the permits for woody debris removal expected to be in place and what is name of permit?
- how long is fish tissue analysis expected to take and which type of fish are being sampled?

Thx,

Vivian  
250 213-2972



## **Vanderburgh, Ken FLNR:EX**

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**From:** Weir, David J FLNR:EX  
**Sent:** Wednesday, August 13, 2014 9:00 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Cc:** Bellefontaine, Kim MEM:EX; McGuire, Jennifer ENV:EX; Stolar, Harold B FLNR:EX  
**Subject:** Meeting today

I met with representatives of the Mt Polley Mine today at Harold's office. I briefed them on the conditions of the order for the removal of the debris from Quesnel Lake and discussed the order with respect to Polley lake. In addition I explained my expectations concerning the requirements for the renewal of the order which they stated they wish to have renewed on the expiry of August 22<sup>nd</sup> 2014.

The order requires professional oversight of the activities by suitably qualified professionals licenced in the province of British Columbia and in a manner suitable to impacted parties. I have inset the order below.

Hello, at this time it is our understanding that Stephen Rothman has the authority under the mines act to order the necessary measures to contain and remove the debris in Quesnel Lake and to authorize the management of the water level on Polley lake.

However: to remove any confusion and to address any shortcoming that might exist between the Mines Act, Water Act and the MOU that guides there coordination I order under Section 85 as follows;

Subject to the requirements of the Mines Act and MOU

[http://iwww.env.gov.bc.ca/wsd/sla\\_mou/membr\\_mou%202009.pdf](http://iwww.env.gov.bc.ca/wsd/sla_mou/membr_mou%202009.pdf) and as it is in the public interest for the protection of safety and the integrity of Hazeltine Creek, Polley Lake, Quesnel Lake and the Quesnel River, recognizing the Mt Polley Mine's willingness to undergo the required work at their own cost and save the province harmless:

- 1) Under the direction of suitably qualified professionals licenced in the Province of BC the corporation is ordered to collect and remove such debris from Quesnel Lake, as a result of the Mt Polley tailings pond failure, as would threaten road infrastructure and stream channel stability. The manner and nature to be suitable to impacted parties Federal Agencies and the Province.
- 2) Under the direction of suitably qualified and experienced professionals licenced in the Province of BC; maintain the Lake level of Polley Lake in a manner that prevents further mass movement of material from Polley lake and Hazeltine Creek.
- 3) This order does not superseded any other legislation, agency, or government authority nor does it save them harmless.
- 4) This order is not intended to mitigate or limit the future punitive action of government with respect any non compliance by Mt Polley Mine.
- 5) This order is a temporary measure and is subject to cancelation or modification under the authority of the Water Act Mines Act or the MOU.
- 6) This order doe not authorize the entry onto private lands.

If necessary a more formal and document can be provided at a future date and in the absence of any direction to the contrary it should be considered to be expired as of August 22<sup>nd</sup> 2014 if not renewed. In addition to the general protection of public interest the specific purpose is to protect the bridge at Likely and to prevent secondary mass movements of material from the failure.

David Weir  
Water Section Head,

Ministry of Forest Lands and Natural Resource Operations  
Williams Lake , BC  
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(250) 398 4924  
Cell 250 267-5925

## **Vanderburgh, Ken FLNR:EX**

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**From:** Caunce, Cassandra ENV:EX  
**Sent:** Monday, August 11, 2014 1:33 PM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** RE: Question:debris utilization

Hi Ken

If the wood is clean, I don't believe any precautions are necessary.

Thanks for checking

Cassandra

-----Original Message-----

**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Monday, August 11, 2014 1:30 PM  
**To:** Caunce, Cassandra ENV:EX  
**Subject:** FW: Question:debris utilization

Hello Cassandra

Harold's question, any precautions to handling the wood and woody debris?

-----Original Message-----

**From:** Hill, Douglas J FLNR:EX  
**Sent:** Monday, August 11, 2014 1:06 PM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** RE: Question:debris utilization

you could forward a query to Cassandra Caunce as her staff look after authorizations

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**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** August 8, 2014 9:53 AM  
**To:** Hill, Douglas J FLNR:EX  
**Subject:** FW: Question:debris utilization

Who do think would be most appropriate to respond to this?

-----Original Message-----

**From:** Stolar, Harold B FLNR:EX  
**Sent:** Friday, August 8, 2014 9:18 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** Question:debris utilization

Ken, can you ask Enviro Protection staff (or whoever) if there would be any special handling requirements needed. Can it be milled, pulped or even burnt.

As we would need to put those conditions in the authorization to dispose of the timber.

Thanks.

Sent from iPhone

## **Vanderburgh, Ken FLNR:EX**

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**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Sunday, August 10, 2014 4:48 PM  
**To:** MacDougall, Gerry L FLNR:EX; Stolar, Harold B FLNR:EX  
**Subject:** RE: Mt Polley - FLNR

Contact names are Russ Gibson at 250 303 2276 and Don Parsons at 250 790 2215. The sense I got from the Sunday morning call is that Imperial Metals needs the authorization Monday. They continue to collect material including from the foreshore of private property and need the authorizations to move it.

**From:** MacDougall, Gerry L FLNR:EX  
**Sent:** Sunday, August 10, 2014 12:13 PM  
**To:** Stolar, Harold B FLNR:EX  
**Cc:** Stewart, Rodger W FLNR:EX; Thomas, Vivian P GCPE:EX; Vanderburgh, Ken FLNR:EX; Hamm, Mark FLNR:EX  
**Subject:** Re: Mt Polley - FLNR

Thanks Harold,  
This answers most of my questions sent a few minutes ago.

Can you please connect directly with Imperial Metals (Ken can confirm the name, likely Dave ?) and confirm that they are aware that it is their agreement with West Fraser that enables the LTC to be issued? On the 11 pm Sunday call today, the IM representative (Dave I believe) who suggested that the ball is in FLNR's court for arrangements to move the timber.

It would be useful to be able to accurately report out on tomorrow's call what arrangements remain. I will ask the moderator of the call to include you on tomorrow's invite to do so. The moderator sweeps through the agency list and provides time for updates. The primary agencies are of course, IM, MoE, MEM, CRD and Interior Health. First Nations are on the call as well.

Many thanks,

Gerry

Sent from my iPad

On Aug 10, 2014, at 11:50 AM, "Stolar, Harold B FLNR:EX" <[Harold.Stolar@gov.bc.ca](mailto:Harold.Stolar@gov.bc.ca)> wrote:

Viv, the district is determining and will issue appropriate tenures to remove, process and utilize material from Quesnel Lake. One tenure to Imperial Metals to remove and sort material with no rights to the timber. This will be a forestry lic to cut. A second forestry lic to cut will be issued to (most likely) West Fraser to utilize material in the most appropriate manner; sawlog, pulp and hog fuel.

Challenges are that IM will need to have an agreement with WF to use there foreshore and reload tenure prior to FLNRO issuing FLTC to IM. In my discussions with WF talks have occurred however no agreement has been reached that I'm aware of. Second challenge is to determine an appropriate stumpage rate given condition of the material (logs, pieces, branches and stumps). South Area revenue staff are assisting in generating a rate.

My understanding WF and IM are meeting this Wednesday at the reload. Once we are satisfied the agreements are in place between IM and WF district can issue tenure immediately.

Feel free to contact me if you require any clarification.

---

*Inspiring Stewardship through Respectful Conversation*  
Harold

On Aug 10, 2014, at 9:37 AM, "MacDougall, Gerry L FLNR:EX"  
<Gerry.MacDougall@gov.bc.ca> wrote:

Hi Harold and Rodger,

Can you please give Vivian (with cc to me) a few bullets respectively on progress/forecast on the following:

- when are the permits for woody debris removal expected to be in place and what is name of permit?
- how long is fish tissue analysis expected to take and which type of fish are being sampled?

Thank you,

Gerry

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**From:** Thomas, Vivian P GCPE:EX  
**Sent:** August-10-14 9:21 AM  
**To:** MacDougall, Gerry L FLNR:EX; Stewart, Rodger W FLNR:EX; Symonds, Brian FLNR:EX  
**Subject:** Mt Polley - FLNR

Hi! This is summary points from last night's PECC call attributable to FLNR. They're going to include the wildlife bullets in today's public fact sheet.

FLNRO

- Working with Imperial Metals Corporation to provide appropriate permitting for woody debris removal and disposal.
- A wildlife team is available to investigate reported wildlife concerns.
- No adverse affects on wildlife have been observed to date.

- Six freshwater fish have been collected for tissue analysis.

A couple of questions on the others:

- when are the permits for woody debris removal expected to be in place and what is name of permit?
- how long is fish tissue analysis expected to take and which type of fish are being sampled?

Thx,

Vivian  
250 213-2972



## **Vanderburgh, Ken FLNR:EX**

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**From:** Morrison, Andrew JAG:EX  
**Sent:** Sunday, August 10, 2014 11:11 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** Mt Polley Question

**Importance:** High

Hi Ken

If you get this can you give me a call RE logs from Mt Polley (west fraser reload).

6049088136.

Thanks

Andrew Morrison  
Regional Manager  
Emergency Management BC



## **Vanderburgh, Ken FLNR:EX**

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**From:** Stolar, Harold B FLNR:EX  
**Sent:** Friday, August 8, 2014 4:34 PM  
**To:** Hamm, Mark FLNR:EX; Vanderburgh, Ken FLNR:EX  
**Cc:** MacDougall, Gerry L FLNR:EX  
**Subject:** RE: Proposal: Salvaging timber from Quesnel Lake

Further to that, I am assuming that IM has been ordered to clean up the environmental aspects for the breach, disposing of the merchantable and non-merchantable material from the lake. Here is where WF may have some leverage, they will pay stumpage on what can be utilized in their facilities, and could be hired to remove the remaining material.

Again, I'm assuming that we can and should require IM to dispose of all material from the lake?

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*Inspiring Stewardship through Respectful Conversation*

**Harold**

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**From:** Hamm, Mark FLNR:EX  
**Sent:** Friday, August 8, 2014 4:21 PM  
**To:** Vanderburgh, Ken FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; MacDougall, Gerry L FLNR:EX  
**Subject:** RE: Proposal: Salvaging timber from Quesnel Lake

That's not the inference, Ken. Dirk's advice was that they need some authorisation to be able to handle Crown timber and to move it on to the land. Harold is reluctant to issue IM the authority to move it to the reload until there is an agreement between WFM and IM.

M

**Mark Hamm, R.P.F.**  
Resource Manager  
Cariboo Chilcotin District  
(Williams Lake)  
Ministry of Natural Resource Operations  
tel 250-398-4399  
mob 250-398-0817  
fax 250-398-4790  
<mailto:Mark.Hamm@gov.bc.ca>

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**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Friday, August 8, 2014 4:17 PM  
**To:** Hamm, Mark FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; MacDougall, Gerry L FLNR:EX  
**Subject:** RE: Proposal: Salvaging timber from Quesnel Lake

Mark, IM has already been instructed to collect the material and is in the process of booming it. If the FLTC to IM is strictly to deliver the material to Beach Point I'm not sure of the point, particularly if the inference is they have to now stop work until wednesday

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**From:** Hamm, Mark FLNR:EX

**Sent:** Friday, August 8, 2014 4:06 PM

**To:** Venos, Gerry FLNR:EX; Trigg, Dirk FLNR:EX; Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Marsh, Len FLNR:EX

**Cc:** Vanderburgh, Ken FLNR:EX; MacDougall, Gerry L FLNR:EX

**Subject:** Proposal: Salvaging timber from Quesnel Lake

Thanks for taking time to discuss this today. Here's a summary of what we're proposing to do.

Imperial Metals will be issued a FLTC under 47.6 (2.11) of the *Forest Act* to collect and boom the logs and debris, and deliver it all to the Beach Point reload. The FLTC will not authorise them to do anything further with the timber and no timber mark will be issued. West Fraser is in discussions with Imperial Metals to accept the material there. I don't believe that IM requires any provincial authorisation other than this. The expectation is that IM will not realise any revenue to offset their costs in this activity.

West Fraser will be offered a FLTC under 47.6 (2.11) of the *Forest Act* to remove the timber from the lake and dispose of it by processing it into chips or other products. The expectation is that WFM will take in sufficient revenue from chips and sawlogs to cover the costs of processing the material. Once we've determined a stumpage rate, WFM will haul any sawlogs or chips to be scaled and will be billed for whatever goes across the scales.

Gerry V. will work with Dirk on drawing up the FLTCs with appropriate conditions.

IM is responsible for disposal of any waste material but they may wish to come to an agreement with WFM on how that's done. For example, WFM might sort and dispose of it, and bill IM.

The volume of material has been very roughly estimated at about 22,500 m<sup>3</sup>, of which between 10,000 m<sup>3</sup> and 16,000 m<sup>3</sup> may be sawlog material. We look forward to getting an approximate idea of a stumpage rate by early next week.

Things are still evolving on this and we need to confirm a common understanding with Imperial Metals and West Fraser. It looks as if it will be the middle of next week before we are able to issue any FLTCs.

Mark

**Mark Hamm, R.P.F.**

Resource Manager

Cariboo Chilcotin District

(Williams Lake)

Ministry of Natural Resource Operations

tel 250-398-4399

mob 250-398-0817

fax 250-398-4790

<mailto:Mark.Hamm@gov.bc.ca>

**From:** Trigg, Dirk FLNR:EX  
**Sent:** Friday, August 8, 2014 1:27 PM  
**To:** Stolar, Harold B FLNR:EX; Vanderburgh, Ken FLNR:EX; MacDougall, Gerry L FLNR:EX  
**Cc:** Hamm, Mark FLNR:EX; Marsh, Len FLNR:EX  
**Subject:** RE: Salvaging timber from Quesnel Lake

Harold,

Also, identify the urgency and that it is tied to the Polly Mine disaster when you send the FLTC in for a stumpage rate. Pricing will make sure we expedite the rate.

Thank you.

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**From:** Stolar, Harold B FLNR:EX  
**Sent:** Thursday, August 7, 2014 9:33 PM  
**To:** Vanderburgh, Ken FLNR:EX; MacDougall, Gerry L FLNR:EX  
**Cc:** Hamm, Mark FLNR:EX; Trigg, Dirk FLNR:EX  
**Subject:** Salvaging timber from Quesnel Lake

Gerry/Ken

This is a follow up to our conversation this afternoon with respect to clean up and utilization of timber/debris from the Mt Polley dam failure.

I believe the proper course of action would be to authorize Imperial Metals to process and deck timber salvaged from Quesnel Lake with no rights to the timber. My understanding is that Imperial Metals are in discussions with West Fraser on utilizing their foreshore and reload tenure to facilitate salvage operations. I believe WF are within their tenure rights to rent to 3rd parties portions of the their tenure (I will double check with Lands staff in the morning).

West Fraser are interested in the saw log, pulp and hog fuel, as indicated in phone message from Dan Rollert. Dan further indicated that he has spoken to MLA Barnett to the Minister with WF's interest.

Ministry policy is that in instances where crown timber is decked, BCTS has the first right of refusal, meaning they have the opportunity sell it competitively. If they decide not to sell it competitively then the district can dispose of the timber by direct award. My recommendation is to get an estimate of the potential volume, ask BCTS if they would be interested in selling the timber, if not the district authorize.

I have a call with Dan R tomorrow morning to indicate districts intension on how to disposal of the timber will proceed. That is unless there are other considerations that I should be aware of. Dan is on his way to Mt Polley tomorrow morning early so I will be calling him by 8:15 am.

Dirk, I trust you'll correct if my understanding of ministry policy is not accurate.

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*Inspiring Stewardship through Respectful Conversation*  
Harold

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## **Vanderburgh, Ken FLNR:EX**

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**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Thursday, August 7, 2014 3:30 PM  
**To:** MacDougall, Gerry L FLNR:EX  
**Subject:** Mt Polley Mine Update

- Tailings Dam experienced a breach at 1:10 am Monday Aug 4<sup>th</sup> releasing approximately 10 million M3 of water and 4.5 M3 of ground rock
- The flow backed into Polley Lake and moved down the bed of Hazeltine creek and into Quesnel Lake
- The flow left a blockage at the outflow of Polley Lake resulting in the Lake level rising 1.7 meters
- The flow has destroyed the bridge and washed out the Ditch Road. This road is an FSR and provides mostly recreational access between Likely and Horsefly. Primary route to both communities remain open.

### Situation as of August 7, 2014

- Imperial Metals (IM) has made good progress in containing the woody debris deposited in Quesnel Lake. Measures are in place to protect the bridge into Likely. Plan is to move the boomed material to the West Fraser load out for removal from the Lake
- Concern remains regarding Polley Lake. The raised lake level represents approx 5 million M3 of water that could be released suddenly if the blockage were to fail. Consulting Engineer from BGC has indicated the blockage is stable.
- IM has a plan to reduce the water level in Polley Lake by pumping into the Springer pit on the mine site. At capacity (10,000 gal/min) the drawdown could take a month or more
- IM is working to close the breach to prevent any further material washing out of the tailings facility.
- Water quality results released today at 3 pm are positive. No announcement yet on rescinding the advisory to not use the water from Quesnel Lake and Quesnel River
- Geotech Inspectors from MEM are on site and formal investigation has commenced
- MOE has ordered the company to complete an Environmental Impact Assessment. Details on future cleanup and monitoring efforts would likely be included. (need to confirm this with MOE)



## **Vanderburgh, Ken FLNR:EX**

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**From:** Hamm, Mark FLNR:EX  
**Sent:** Wednesday, August 6, 2014 10:58 AM  
**To:** Stolar, Harold B FLNR:EX  
**Cc:** Vanderburgh, Ken FLNR:EX  
**Subject:** Re: Call this morning: Removal of timber at outlet of Polley Lake

Call went well. Dave is on his way out to Mount Polley to advise on how to deal with the excess water in Polley Lake. I told Steve Rothman (MEM) that we'd authorise any timber cutting they might need to do in order to facilitate that (probably S.52 letter).

They need whatever local weather information is available, as a heavy rain or thundershower could tip the balance on destabilising the plug. I will see if they can plug into WMB to get a daily spot forecast for that area.

We also let Steve know that the primary contact for FLNR is Ken.

M

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**From:** Stolar, Harold B FLNR:EX  
**Sent:** Wednesday, August 06, 2014 10:51 AM  
**To:** Hamm, Mark FLNR:EX  
**Subject:** Re: Call this morning: Removal of timber at outlet of Polley Lake

How did the call go? s.22

Sent from iPhone

On Aug 6, 2014, at 9:05 AM, "Hamm, Mark FLNR:EX" <[Mark.Hamm@gov.bc.ca](mailto:Mark.Hamm@gov.bc.ca)> wrote:

Ken and Dave - just thinking that one or both of you may want to join us for this call.

Mark

**Mark Hamm, R.P.F.**  
Resource Manager  
Cariboo Chilcotin District  
(Williams Lake)  
Ministry of Natural Resource Operations  
tel 250-398-4399  
mob 250-398-0817  
fax 250-398-4790  
<mailto:Mark.Hamm@gov.bc.ca>

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**From:** Hamm, Mark FLNR:EX  
**Sent:** Wednesday, August 6, 2014 8:45 AM  
**To:** Rothman, Stephen MEM:EX

**Cc:** Stolar, Harold B FLNR:EX

**Subject:** RE: Approval: Removal of timber at outlet of Polley Lake

That sounds good, Steve.

Mark

**Mark Hamm, R.P.F.**

Resource Manager

Cariboo Chilcotin District

(Williams Lake)

Ministry of Natural Resource Operations

tel 250-398-4399

mob 250-398-0817

fax 250-398-4790

<mailto:Mark.Hamm@gov.bc.ca>

**From:** Rothman, Stephen MEM:EX

**Sent:** Tuesday, August 5, 2014 9:38 PM

**To:** Hamm, Mark FLNR:EX

**Subject:** Re: Approval: Removal of timber at outlet of Polley Lake

Mark

Will call you when I get to site at about 9:30 tomorrow morning

We are leaving WL at about 7:30

Thanks

Steve

Sent from my iPhone

On Aug 5, 2014, at 3:24 PM, "Hamm, Mark FLNR:EX" <[Mark.Hamm@gov.bc.ca](mailto:Mark.Hamm@gov.bc.ca)> wrote:

Stephen, I understand you're looking for approval to remove timber from an old drainage ditch that runs beside the tailings plug in Polley Lake, in order to facilitate drainage of the lake water. We'll provide that formal authorisation, but it will not be until tomorrow at the earliest. Please don't let this hold up the work you have planned if it will help to reduce the risk of breach of the tailings plug.

You can call me at 250-398-0817.

Mark

**Mark Hamm, R.P.F.**

Resource Manager

Cariboo Chilcotin District

(Williams Lake)  
Ministry of Natural Resource Operations  
tel 250-398-4399  
mob 250-398-0817  
fax 250-398-4790  
<mailto:Mark.Hamm@gov.bc.ca>

---

**From:** Lishman, Peter FLNR:EX  
**Sent:** Tuesday, August 5, 2014 3:06 PM  
**To:** Hamm, Mark FLNR:EX; Rothman, Stephen MEM:EX  
**Subject:** Mt Polly

Steve ---Mark Hamm is your Forest contact 250-398-4399



## **Vanderburgh, Ken FLNR:EX**

---

**From:** Trigg, Dirk FLNR:EX  
**Sent:** Wednesday, August 6, 2014 10:19 AM  
**To:** Hamm, Mark FLNR:EX; Vanderburgh, Ken FLNR:EX; Venos, Gerry FLNR:EX; Stewart, Rodger W FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX; Weir, David J FLNR:EX; Pratt, Gordon FLNR:EX; Kinsky, Kevin J FLNR:EX  
**Subject:** RE: Important request from Mount Polley

Gerry and Mark,  
Talking to Jim it sounds like you have it under control and are on the right track.  
I think you have been talking about using a Forestry Licence to Cut under Sec. 47.6(2.11) of the Forest Act.  
This can be issued by the District Manager or RED.  
This section is tied to timber that is already down on the ground or water for whatever reason, it does not provide authority to cut standing timber down. Because it is set up for the removal of already downed timber the Forest Act has not put any limitation on the amount of volume that can be removed under this authority. This section of the Forest Act provides for direct award of this type of Forestry licence to cut.

**From:** Hamm, Mark FLNR:EX  
**Sent:** Tuesday, August 5, 2014 11:12 AM  
**To:** Vanderburgh, Ken FLNR:EX; Venos, Gerry FLNR:EX; Stewart, Rodger W FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX; Weir, David J FLNR:EX  
**Subject:** Re: Important request from Mount Polley

Thanks, Ken. I assume nothing further is needed from the district, in this regard at least.

M

**From:** Vanderburgh, Ken FLNR:EX  
**Sent:** Tuesday, August 05, 2014 11:09 AM  
**To:** Hamm, Mark FLNR:EX; Venos, Gerry FLNR:EX; Stewart, Rodger W FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX; Weir, David J FLNR:EX  
**Subject:** RE: Important request from Mount Polley

We will issue an order under Section 9 of the Water Act to remove the material. David Weir is in contact with Polley

**From:** Hamm, Mark FLNR:EX  
**Sent:** Tuesday, August 5, 2014 10:30 AM  
**To:** Venos, Gerry FLNR:EX; Vanderburgh, Ken FLNR:EX; Stewart, Rodger W FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX  
**Subject:** RE: Important request from Mount Polley

Gerry and I spoke with Jim Schafthuizen and he is going to see what authorisation is appropriate and get back to Gerry.

My thinking is that we should give Mt Polley permission now to begin collecting the logs and debris from the lake, before they reach the bridge at Likely. The authorisation may not be in place today but the company has the go-ahead to being salvaging and collecting the wood at West Fraser's reload on Quesnel Lake.

If you have any concerns about that please let me know.

Mark

**Mark Hamm, R.P.F.**  
Resource Manager  
Cariboo Chilcotin District  
(Williams Lake)  
Ministry of Natural Resource Operations  
tel 250-398-4399  
mob 250-398-0817  
fax 250-398-4790  
<mailto:Mark.Hamm@gov.bc.ca>

---

**From:** Pedersen, Mike FLNR:EX  
**Sent:** Tuesday, August 5, 2014 10:12 AM  
**To:** Venos, Gerry FLNR:EX  
**Cc:** Pedersen, Mike FLNR:EX; Vanderburgh, Ken FLNR:EX; Stolar, Harold B FLNR:EX; Hamm, Mark FLNR:EX; Trigg, Dirk FLNR:EX  
**Subject:** Re: Important request from Mount Polley

Ken may want to connect with MOE and Rodger around the salvage. My thought is they want to get the material before it hits the bridge at Likely.

We are connecting with tenures in Kamloops to see what we need as authorities.

Sent from my iPhone

On Aug 5, 2014, at 10:05 AM, "Venos, Gerry FLNR:EX" <[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)> wrote:

I just spoke with Penny Carpenter two minutes ago.  
Mount Polley does want to salvage the wood at this time but want permission to contain it to prevent further damage downstream.  
She told me that Rick Welke of West Fraser gave them permission to use their reload.

Gerry Venos R.P.F.  
Revenue Forester  
Cariboo-Chilcotin Natural Resource District  
Phone:(250)-398-4406  
Fax:(250)-398-4790  
E-mail:[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)

---

**From:** Pedersen, Mike FLNR:EX  
**Sent:** Tuesday, August 5, 2014 9:57 AM  
**To:** Venos, Gerry FLNR:EX

**Cc:** Stolar, Harold B FLNR:EX; Hamm, Mark FLNR:EX; Vanderburgh, Ken FLNR:EX  
**Subject:** Re: Important request from Mount Polley

Would it be a water salvage permit? Check with Area Tenures Gerry and see what we would need to provide.

Sent from my iPad

On Aug 5, 2014, at 8:38 AM, "Venos, Gerry FLNR:EX" <[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)> wrote:

What is kind of permission does Mount Polley need?

Gerry Venos R.P.F.  
Revenue Forester  
Cariboo-Chilcotin Natural Resource District  
Phone:(250)-398-4406  
Fax:(250)-398-4790  
E-mail:[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)

**From:** Penny Carpenter s.22  
**Sent:** Tuesday, August 5, 2014 8:08 AM  
**To:** Venos, Gerry FLNR:EX  
**Subject:** Important request from Mount Polley

Hi Gerry

I am trying to contact you regarding the dam breach at Mount Polley. Mount Polley is requesting the permission to contain, and remove the log debris from the lakes as soon as possible.

I have been asked to try and get all the required permits/permission for them to move forward with this as soon as possible as the logs have the potential to damage bridges etc,

When you get in will you call me asap. 250-296-0111 OR 250-303-1475.

Thanks Penny



## Vanderburgh, Ken FLNR:EX

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**From:** MacDougall, Gerry L FLNR:EX  
**Sent:** Wednesday, August 6, 2014 10:19 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Cc:** Ethier, Tom FLNR:EX  
**Subject:** Fwd: CCG notes - Mt Polley Incident - UPDATE 6 Aug - ADM EMBC  
**Attachments:** image001.png

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Quealey, Pat JAG:EX" <Pat.Quealey@gov.bc.ca>  
**Date:** August 6, 2014 at 9:05:27 AM PDT  
**To:** "MacDougall, Gerry L FLNR:EX" <Gerry.MacDougall@gov.bc.ca>  
**Subject:** FW: CCG notes - Mt Polley Incident - UPDATE 6 Aug - ADM EMBC

Gerry,

For you in Rick's absence.

Thanks. Please call if any questions.

Pat

**From:** Quealey, Pat JAG:EX  
**Sent:** Wednesday, August 6, 2014 09:04  
**To:** Hoffman, Al MEM:EX; Standen, Jim ENV:EX; Carby, Shawn W HLTH:EX; Manwaring, Richard G FLNR:EX; Haslam, David GCPE:EX  
**Cc:** Mohrmann, Ralph JAG:EX; Duffy, Chris D JAG:EX  
**Subject:** FW: CCG notes - Mt Polley Incident - UPDATE 6 Aug - ADM EMBC

Gents,

For your awareness, and in the interest of unity of effort, here is a synopsis I provided upward this morning.

Please note:

EMBC will have a provincial Liaison Officer in the CRD EOC today. His name is Andrew Morrison. Ralph will provide coord details to CCG should you need Andrew's support.

We are looking at options for longer term recovery support based on the trigger decision point of water quality determination as made by Jim's team. We'd appreciate your staff input and Ralph will reach out appropriately.

No requirement for support to 1300hrs Deputy call.

David, Jeff Groot is aware of Andrew's presence and will be able to link into him as well.

Pat

"As follow up to our CCG call yesterday with all supporting provincial Ministries as well as RCMP, Canadian Red Cross, Public Safety Canada, Aboriginal Affairs and Northern Development Canada (and others), I offer the following update and assessment:

Cariboo Regional District (CRD) Coordination:

Declaration of State of Local Emergency occurred at approximately 2249hrs 5 August 2014.

- The intent of the declaration is to provide the CRD the necessary powers under the Emergency Program Act to achieve the following objectives expeditiously: control the distribution of drinking water to support the community of Likely, and to access private property in support of the work that West Fraser Mills forestry company and the Mine is going to be conducting to control/remove woody debris from Lake Quesnel.

As follow up, this morning at 0615hrs I conducted a coordination call with Mr. Al Richmond, Chair of Cariboo Regional District to confirm his perspective of Provincial support in this emergency, identify any gaps in response that we can assist with, as well as have preliminary discussions about longer term transition to recovery operations considerations.

Salient points from that discussion were as follows (Provincial direct support in parentheses):

- Issues of immediate response that CRD intends to action today:
  - Improve community of Likely access to potable and bathing water in a controlled manner (no Provincial support required at this time, however I offered that we have access to contracts and experience in setting up these facilities (WMB) should he wish our support).
  - Improve signage and communication to citizens of how to access water (no Provincial support required at this time).
  - Action the removal of woody debris by West Fraser Mills (supported by MoTI). No imminent threat at this time to public safety or infrastructure, however cognizant of risk and perception of risk.
  - Develop coordination at CRD level with local FN (supported by MARR and AANDC).
  - **Welcomed support to CRD EOC through Provincial liaison officer supplied by EMBC to be in place today. No further presence requested.**
- Consideration for longer term support to recovery operations:
  - A trigger point identified as the return on water quality assessment from MoE to determine focus of recovery operations.
  - Comment: If water deemed safe (to be defined), focus of recovery may be more economic-based vice environmental (TBD).
  - Discussion of what potential Provincial recovery support might look like and how it might work in support of CRD.

- Mr. Richmond agreed to call me back by 1100hrs today to provide feedback on my offers of support and was also very appreciative of the leadership that Provincial Government particularly elected officials have provided thus far.

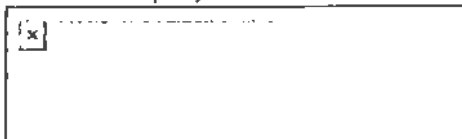
EMBC immediate follow up actions:

- Identify EMBC Liaison officer role to other Ministries as focal point for access to CRD EOC.
- Coordinate with other Ministry staff to analyze options of potential recovery support to CRD (composition, leadership, etc.).
- Receive Mr. Richmond's follow up call and coordinate further support to immediate response.
- Be prepared to brief on outcome of these considerations to DSG or other designated officials (acknowledging next Deputies call scheduled at 1300hrs today)."

Respectfully,

Pat

*Patrick Quealey*  
*Assistant Deputy Minister*



**From:** "Duffy, Chris D JAG:EX" <[Chris.Duffy@gov.bc.ca](mailto:Chris.Duffy@gov.bc.ca)>  
**Date:** August 5, 2014 at 7:27:40 PM PDT  
**Subject:** CCG notes - Aug 5 - Mt Polley incident

CCG summary notes as discussed:

**Incident synopsis (EMBC):**

**General:**

- Mt. Polley Mine is owned by Imperial Metals and is approximately 30 kms from the community of Likely. The tailing pond at Mt. Polley Mine is 4 kms by 4 kms. Exact volume is unknown.
- The tailings pond dam breached early August 3 and the company estimated 10 Million cubic metres of water and 4.5 million cubic metres of fine sand into Polley Lake Hazletine creek.
- Hazletine Creek flows out of Polley Lake and the flow of contaminated water continued into Quesnel Lake.
- The flow out of the breach has decreased significantly but not completely stopped.

- It was noted that a large breach of this nature is very rare with nothing of this scale reported going back over several decades
- The cause of the breach is under investigation – the design engineers will be on site Wednesday

**Initial Response:**

- Initial recon carried out by the company and key ministry reps.
- Local authority supported in initial checks on residents, tourists / recreationalists etc. (by RCMP & Search and Rescue)
- No injuries or private property damage reported.
- Cariboo Regional District issued a water ban advisory - do not drink or bathe - advisory extends for the entire Quesnel and Cariboo river system to the Fraser river.
- Water testing initiated by the MOE

**EMBC Regional report today:**

- Imperial Metals is:
  - doing an aerial drone survey of the affected area today and third party water analysis
  - supporting the local authority for the provision of potable water in the affected area by tanker truck.
  - arranging for debris logs from the failure to be boomed and retrieved from Quesnel Lake by a local forestry firm (West Fraser mills)
- MOE is continuing with daily water sampling and arranging a Subject matter Expert call with key Provincial and Federal agencies
- A media briefing occurred at the Likely community hall @ 15:00 today
- Polly Mine representatives held a public meeting at 16:00 today at community of Likely.
- There are currently no outstanding requests for EMBC Operations at this time.

**CCG notes**

**Energy and Mines**

- There are three MEM inspectors on site.
- FLIGHT reconnaissance TODAY - nothing new to add.
- Meeting set with mine geotechnical design engineers tomorrow.
- \*\* Safety note: people should not be working downstream until the geotechnical assessment of the tailings pond is completed. – communicated regionally
- Minister Bennett is on-site and the lead Provincial Government media spokesperson.

**Environment**

- Conducting baseline sampling of Quesnel Lake.
- Relying on Company for technical data on tailing pond contents (liquid / solids)

- Indicated the company has a contract environmental consulting firm developing a short and long-term response / recovery plan

#### **HLTH**

- Coordinating water sampling parameters
- Provided direction to Cariboo Regional District Emergency Operations Centre on water distribution points and maintaining equipment hygienically.

#### **Aboriginal Relations and Reconciliation**

- Advised that the Williams Lake First Nations and the Soda Creek First Nations were engaged.

#### **JTST**

- Noted the Steel Workers union had contacted them
- It was estimated that there are ~ 300 fulltime employees but unclear as to number on-site
- The mine is considered to be in a state of "care & maintenance" – not in production but monitoring & maintenance of equipment ongoing

#### **EMBC**

- General supports and coordination going well
- No unmet needs by local authority or key ministries noted at this time
- Pressure points noted from Regional call this afternoon
  - First Nations inclusion – two bands (Williams Lk & Soda creek) noted they had not received direct engagement from the company and ministries until this point
  - Sharing of scientific data on tailings content – information will be available going forward
  - Debris containment (logs) – containment and salvage retrieval plan as noted above
  - Potable water – immediate needs met – needs constant monitoring and engagement
  - Road restrictions and signage for hazard – key road access to high hazard areas will be gated and signed

- ***Anticipate next call for 17:00 Wednesday***

Chris

*Christopher Duffy*

**Executive Director, Operations & Recovery Transition  
EMERGENCY MANAGEMENT BRITISH COLUMBIA**

Block A - Suite 200 - 2261 Keating X Road

Saanichton, BC CANADA V8W 2A5

Ph: 250 952 4544 Fax: 250 912 4658

24 hour Emergency Reporting: 1 800 683 3456

[www.embc.bc.ca](http://www.embc.bc.ca)



## Vanderburgh, Ken FLNR:EX

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**From:** Weir, David J FLNR:EX  
**Sent:** Tuesday, August 5, 2014 3:15 PM  
**To:** XT:Carpenter, Penny FLNR:IN; Rothman, Stephen MEM:EX  
**Cc:** Vanderburgh, Ken FLNR:EX; Stewart, Rodger W FLNR:EX  
**Subject:** RE: Mt Polley

Hello, at this time it is our understanding that Stephen Rothman has the authority under the mines act to order the necessary measures to contain and remove the debris in Quesnel Lake and to authorize the management of the water level on Polley lake.

However: to remove any confusion and to address any shortcoming that might exist between the Mines Act, Water Act and the MOU that guides there coordination I order under Section 85 as follows;

Subject to the requirements of the Mines Act and MOU

[http://www.env.gov.bc.ca/wsd/sla\\_mou/mempr\\_mou%202009.pdf](http://www.env.gov.bc.ca/wsd/sla_mou/mempr_mou%202009.pdf) and as it is in the public interest for the protection of safety and the integrity of Hazeltine Creek, Polley Lake, Quesnel Lake and the Quesnel River, recognizing the Mt Polley Mine's willingness to undergo the required work at their own cost and save the province harmless:

- 1) Under the direction of suitably qualified professionals licenced in the Province of BC the corporation is ordered to collect and remove such debris from Quesnel Lake, as a result of the Mt Polley tailings pond failure, as would threaten road infrastructure and stream channel stability. The manner and nature to be suitable to impacted parties Federal Agencies and the Province.
- 2) Under the direction of suitably qualified and experienced professionals licenced in the Province of BC; maintain the Lake level of Polley Lake in a manner that prevents further mass movement of material from Polley lake and Hazeltine Creek.
- 3) This order does not superseded any other legislation, agency, or government authority nor does it save them harmless.
- 4) This order is not intended to mitigate or limit the future punitive action of government with respect any non compliance by Mt Polley Mine.
- 5) This order is a temporary measure and is subject to cancelation or modification under the authority of the Water Act Mines Act or the MOU.
- 6) This order doe not authorize the entry onto private lands.

If necessary a more formal and document can be provided at a future date and in the absence of any direction to the contrary it should be considered to be expired as of August 22<sup>nd</sup> 2014 if not renewed. In addition to the general protection of public interest the specific purpose is to protect the bridge at Likely and to prevent secondary mass movements of material from the failure.

If there are any questions or you feel there is error please contact me. Keeping in mind the rushed nature of this document.

David Weir  
Water Section Head,  
Ministry of Forest Lands and Natural Resource Operations  
Williams Lake , BC  
[David.J.Weir@gov.bc.ca](mailto:David.J.Weir@gov.bc.ca)  
(250) 398 4924  
Cell 250 267-5925

**From:** Penny Carpenter s.22  
**Sent:** Tuesday, August 5, 2014 12:46 PM  
**To:** Weir, David J FLNR:EX  
**Subject:** RE: Mt Polley

Hi David

The Mines Gentleman Steve Rothman will be contacting you regarding the breach of the tailing pond. He will be able to fill you in and maybe it will help the work load so things are not getting duplicated.

Penny Carpenter

**From:** Weir, David J FLNR:EX [<mailto:David.J.Weir@gov.bc.ca>]  
**Sent:** August-05-14 11:41 AM  
**To:** XT:Carpenter, Penny FLNR:IN  
**Subject:** Mt Polley

As per our discussion

David Weir  
Water Section Head,  
Ministry of Forest Lands and Natural Resource Operations  
Williams Lake , BC  
[David.J.Weir@gov.bc.ca](mailto:David.J.Weir@gov.bc.ca)  
(250) 398 4924  
Cell 250 267-5925

## Vanderburgh, Ken FLNR:EX

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**From:** Weir, David J FLNR:EX  
**Sent:** Tuesday, August 5, 2014 11:45 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Subject:** FW;

Mines may be able to issue the order to do all the works required as per the MOU but I can issue the order the debris removal if necessary and notify mines as per the mou.

David Weir  
Water Section Head,  
Ministry of Forest Lands and Natural Resource Operations  
Williams Lake , BC  
[David.J.Weir@gov.bc.ca](mailto:David.J.Weir@gov.bc.ca)  
(250) 398 4924  
Cell 250 267-5925

**From:** Symonds, Brian FLNR:EX  
**Sent:** Tuesday, August 5, 2014 11:26 AM  
**To:** Cameron, Valerie Z FLNR:EX  
**Cc:** Weir, David J FLNR:EX  
**Subject:**

Valerie,

As discussed, here is a link to the webpage with the MOU with Mines about responsibility for tailings dams and other storage structures associated with mine sites.

[http://iwww.env.gov.bc.ca/wsd/sla\\_mou/index.html](http://iwww.env.gov.bc.ca/wsd/sla_mou/index.html)

Brian Symonds  
Director , Water Stewardship  
Tel: (250) 490-8255 Fax: (250) 490-2231



## Vanderburgh, Ken FLNR:EX

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**From:** Penny Carpenter s.22  
**Sent:** Tuesday, August 5, 2014 11:26 AM  
**To:** Vanderburgh, Ken FLNR:EX  
**Cc:** Dave Carpenter  
**Subject:** FW: Permission Request for containment and relocation/removal of log and log debris due to dam breach

Mr. Vanderburgh  
Thank you for speaking to  
I am forwarding this email even though Gerry Venos forwarded it to you in order to have a copy for Mount Polley.  
Thank you  
Penny

**From:** Penny Carpenter s.22  
**Sent:** August-05-14 10:44 AM  
**To:** 'Harold.Stolar@gov.bc.ca'  
**Cc:** 'Gerry.MacDougal@gov.bc.ca'  
**Subject:** FW: Permission Request for containment and relocation/removal of log and log debris due to dam breach

Dear Mr. Stolar  
I have received an email stating that I am to forward you my request as Mike Pedersen is not in his office.  
Thank you  
Penny Carpenter

**From:** Penny Carpenter s.22  
**Sent:** August-05-14 10:29 AM  
**To:** 'mike.pedersen@gov.bc.ca'; 'Gerry.Macdougal@gov.bc.ca'; 'Mark.Hamm@gov.bc.ca'  
**Cc:** 'Venos, Gerry FLNR:EX'  
**Subject:** Permission Request for containment and relocation/removal of log and log debris due to dam breach

Dear Mr. MacDougal, Mr. Pedersen and Mr. Hamm;

I am contacting you today in regards to the log debris in Quesnel Lake as a result of the dam breach at Mount Polley. I have been asked by Mount Polley to get permission to contain and relocate the logs and log debris in Quesnel Lake in order to mitigate any future damage.

I have received written permission from West Fraser to use their reload located on Quesnel Lake as a collection and removal point for the logs and log debris.

Mount Polley is in the progress of flying the experienced tug boat owner operator, whom previously looked after the boom and tug boats at the reload, to view the logs debris and to come up with a strategy to contain and relocate these logs and debris.

Mount Polley would like to move forward as soon as possible as this is a time sensitive matter. Mount Polley requests written permission to contain the logs and log debris and relocate them to the reload and to use the reload as a log/debris collection area and removal point.

Please contact me if you have any questions or concerns. 250-296-0111 and cell 250-303-1475

Thank You  
Penny Carpenter

## **Vanderburgh, Ken FLNR:EX**

---

**From:** Stewart, Rodger W FLNR:EX  
**Sent:** Tuesday, August 5, 2014 11:11 AM  
**To:** Hamm, Mark FLNR:EX; Venos, Gerry FLNR:EX; Vanderburgh, Ken FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX  
**Subject:** RESPONSE: Important request from Mount Polley

Discussed with Lee Williston. Under the circumstances, given risk to boat safety and infrastructure, and considering implications for the lake environment and fisheries, we do not see any reason why salvage of the wood debris should not commence right away.

Rodger Stewart  
Director, Resource Management  
Ministry of Forests, Lands and Natural Resource Operations  
Cariboo Region  
400 - 640 Borland Street  
Williams Lake, BC  
V2G 4T1  
cell (250) 305 8536, desk (250) 398 4549  
fax (250) 398 4214

**From:** Hamm, Mark FLNR:EX  
**Sent:** Tuesday, August 5, 2014 10:30 AM  
**To:** Venos, Gerry FLNR:EX; Vanderburgh, Ken FLNR:EX; Stewart, Rodger W FLNR:EX; Hill, Douglas J FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Trigg, Dirk FLNR:EX; Schafthuizen, Jim FLNR:EX; Pedersen, Mike FLNR:EX  
**Subject:** RE: Important request from Mount Polley

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If you have any concerns about that please let me know.

Mark

**Mark Hamm, R.P.F.**  
Resource Manager  
Cariboo Chilcotin District  
(Williams Lake)  
Ministry of Natural Resource Operations  
tel 250-398-4399  
mob 250-398-0817

---

**From:** Pedersen, Mike FLNR:EX  
**Sent:** Tuesday, August 5, 2014 10:12 AM  
**To:** Venos, Gerry FLNR:EX  
**Cc:** Pedersen, Mike FLNR:EX; Vanderburgh, Ken FLNR:EX; Stolar, Harold B FLNR:EX; Hamm, Mark FLNR:EX; Trigg, Dirk FLNR:EX  
**Subject:** Re: Important request from Mount Polley

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She told me that Rick Welke of West Fraser gave them permission to use their reload.

Gerry Venos R.P.F.  
Revenue Forester  
Cariboo-Chilcotin Natural Resource District  
Phone:(250)-398-4406  
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E-mail:[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)

---

**From:** Pedersen, Mike FLNR:EX  
**Sent:** Tuesday, August 5, 2014 9:57 AM  
**To:** Venos, Gerry FLNR:EX  
**Cc:** Stolar, Harold B FLNR:EX; Hamm, Mark FLNR:EX; Vanderburgh, Ken FLNR:EX  
**Subject:** Re: Important request from Mount Polley

Would it be a water salvage permit? Check with Area Tenures Gerry and see what we would need to provide.

Sent from my iPad

On Aug 5, 2014, at 8:38 AM, "Venos, Gerry FLNR:EX" <[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)> wrote:

What is kind of permission does Mount Polley need?

Gerry Venos R.P.F.  
Revenue Forester  
Cariboo-Chilcotin Natural Resource District  
Phone:(250)-398-4406  
Fax:(250)-398-4790  
E-mail:[Gerry.Venos@gov.bc.ca](mailto:Gerry.Venos@gov.bc.ca)

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**From:** Penny Carpenter s.22  
**Sent:** Tuesday, August 5, 2014 8:08 AM  
**To:** Venos, Gerry FLNR:EX  
**Subject:** Important request from Mount Polley

Hi Gerry

I am trying to contact you regarding the dam breach at Mount Polley. Mount Polley is requesting the permission to contain, and remove the log debris from the lakes as soon as possible.

I have been asked to try and get all the required permits/permission for them to move forward with this as soon as possible as the logs have the potential to damage bridges etc,

When you get in will you call me asap. 250-296-0111 OR 250-303-1475.

Thanks Penny



# Mt Polley Pictures

Then and now

# Plug Aug 2014

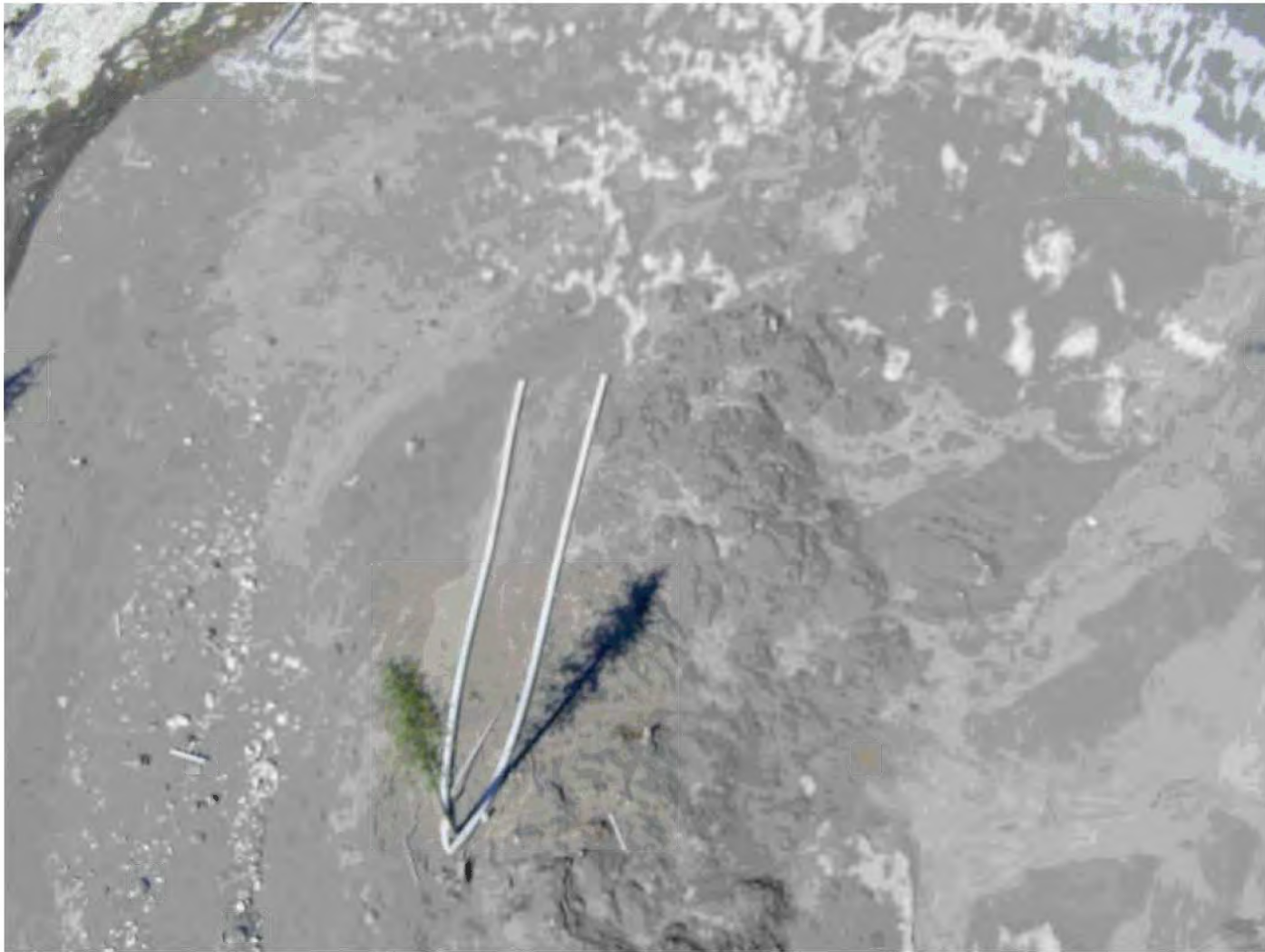


# Breach and Plug Aug



# Cottonwood in Plug with recerc pipe

## Aug



# Breach and Plug Nov 2014



# Plug Nov looking towards Polley Lake



# See Cottonwood by road



# Plug at Polley lake Nov



cont



# cont



# Breach Aug



cont



cont



# Breach Nov



cont



# Dam Core Nov



# Dam Core Nov











































