

Warwick, Alexei ENV:EX

From: Van Reeuyk, Amy ENV:EX
Sent: Wednesday, July 26, 2017 12:21 PM
To: Fradley, Adria N ENV:EX
Subject: EA Update 2017-07-26

Follow Up Flag: Follow up
Flag Status: Flagged

As promised: EA update:

Aurora: Working group meetings scheduled for next week. 1 is re: GHGs. I've requested the Agenda. HP will attend, I may attend. See July 26th email from me for updates regarding CAS comments.

Bingay: Draft VC comments were due July 17th. GHGs were already included in dVC. Will review VC document at a later date to determine if further info is required.

KWM: I sent an update on July 13th. KWM previously promised to deliver more information than requested. Our most recent comments were regarding incorrect regulatory references and these were addressed. No new updates. We have no comments to submit for the 2nd round to EAO by August 18th.

RBT2: Reviewing. Will send a separate update.

PBRP: You were CC'd today on CAS comments on the draft Valued Components that were submitted to EAO. We'll make specific project recommendations when the process allows for more detailed reviews; this is where GHG reductions will come in. Public comment period also closed today.

Woodfibre LNG: EA Certificate Amendment granted 2017-07-12

Blackwater: New Gold responded to WG comments. None of them are GHG or Adaptation related. Previously QBs EA, I have not yet coordinated any responses on this one.

Burnco: This was mentioned at the last coordination update. We were not include on this EA. I became aware of this when I saw the EA resumed in June.

Additional EAs I may want to look at to determine if CAS should request involvement:

Revelstoke Generating Station Unit 6 (adaptation)

Ajax Mine (KGHM Ajax Mining Incorporated) – EA Suspension was lifted in March.

Red Mountain Underground Gold Project (IDM Mining Limited) – AIR approved in March.

In other news:

Enforcement action issued against Wolverine Coal Mine (Conuma coal) for non-compliance). The mine has been using trucks instead of rail to transport coal.

Wildmare Wind Energy Project (Finavera Renewables) withdrew from the EA process.

Prince Rupert Gas Transmission Project EAC Amendment granted (2017-06-12)

Amy van Reeuyk

Project Coordinator, Industrial Reporting and Control, Climate Action Secretariat

Ministry of Environment & Climate Change Strategy

Phone: 778.698.4084

From: [Brosz, Corinne M ENV:EX](#)
To: [Frampton, Caelie ENV:EX](#)
Subject: FYI Call with Mayor Arjun Singh
Date: Thursday, July 27, 2017 13:27:00

FYI,

He wanted to briefly talk about:

Topics of discussion are:

Ajax Mine

The Environment Committee in Kamloops, which Mayor Singh is a member of.

Cheers,

Corinne Brosz

Administrative Assistant to the **Honourable George Heyman**

Minister of Environment and Climate Change Strategy

Room 112, Parliament Buildings

Victoria, B.C. V8V 1X4

P: 250-387-1187

F: 250-387-1356

From: [Heyman, George ENV:EX](#)
To: [Ryckman, Scott GCPE:EX](#)
Subject: RE: ENV Update Forenoon - Wednesday, August 09, 2017
Date: Wednesday, August 9, 2017 11:34:00

Thank you

From: Ryckman, Scott GCPE:EX

Sent: August 9, 2017 11:27 AM

To: Heyman, George PREM:EX

Subject: Re: ENV Update Forenoon - Wednesday, August 09, 2017

Apple decided to stop supporting HTML hyperlinks a couple of years ago. I will create an iPhone friendly version of both reports.

Scott

TNO

On 2017-08-09, at 11:25 AM, Heyman, George PREM:EX wrote:

Of course :)

Sent from my iPad

On Aug 9, 2017, at 11:21 AM, Ryckman, Scott GCPE:EX
<Scott.Ryckman@gov.bc.ca> wrote:

Hi George,

Odd, they work for me. Are you perhaps trying to access them on an Apple product?

Scott

TNO

On 2017-08-09, at 11:19 AM, Heyman, George PREM:EX wrote:

Hi Scott - are they hyperlinks to specific articles supposed to work? (They don't). Thanks

Sent from my iPad

On Aug 9, 2017, at 9:57 AM,
"Scott.Ryckman@gov.bc.ca"
<Scott.Ryckman@gov.bc.ca> wrote:

Today's News Online - ENV 10am
DO NOT FORWARD THIS E-MAIL TO ANYONE

Wednesday, August 09, 2017

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Social media

Trending: Vancouver

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Howe - air quality advisory

CBYG

Wednesday, August 09, 2017, 07:32

By CBYG

Copyright

Copyright

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Hoppe - water restrictions

CKFR

Wednesday, August 09, 2017, 07:04

By CKFR

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Ritcey - human-bear conflicts

CHNL

Wednesday, August 09, 2017, 06:32

By CHNL

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Madryga - weather update

CKNW

Wednesday, August 09, 2017, 06:32

By CKNW

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Fretz - Ajax mine

CHNL

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Hoppe - water restrictions

CKFR

Wednesday, August 09, 2017, 06:04

By CKFR

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**Witt/Yu - wildfire weather/smoke
advisory**

CKFR

Wednesday, August 09, 2017, 06:03

By CKFR

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Duthie - whale boat collision

CFOX

Wednesday, August 09, 2017, 06:00

By CFOX

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Fretz - Ajax mine

CHNL

Wednesday, August 09, 2017, 06:00

By CHNL

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Talk back - black-human conflicts

CBYK

Wednesday, August 09, 2017, 07:20

By CBC Daybreak Kamloops

Callers give feedback on what the causes of bear-human conflicts are. [env, forr]

Talk Radio

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Baron - invasive species drone

CBYK

Wednesday, August 09, 2017, 06:20

By CBC Daybreak Kamloops

Jackson Baron will use a grant to expand his research into using drones to track invasive plant species. The TRU graduate student is focusing on making the system inexpensive and effective. [env, forr]

Internet

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Big sponsor for ABNC

Castanet

Tuesday, August 08, 2017

By Darren Handschuh

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**'Alarm bells would be going off':
Greenpeace report on U.S. pipeline leaks
raises concerns in Canada**

CBC Online

Tuesday, August 08, 2017

By CBC Online

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[empr, env]

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From: [Heyman, George ENV:EX](#)
To: [Crebo, David GCPE:EX](#)
Subject: Re: CBYK: Heyman - Ajax mine EAP
Date: Wednesday, September 6, 2017 09:42:29

Thank you

Sent from my iPhone

On Sep 6, 2017, at 9:29 AM, Crebo, David GCPE:EX <David.Crebo@gov.bc.ca> wrote:

FYI - Both Paul (EAO) and I thought the interview was excellent. I really like the way you validate the emotions of those who have concerns, right off the top. That sends the right message straight away and sets the tone.

From: Craven, Paul EAO:EX
Sent: Wednesday, September 6, 2017 9:20 AM
To: Crebo, David GCPE:EX
Subject: RE: CBYK: Heyman - Ajax mine EAP

Yes. I listened as well. Sounded very reasonable, thoughtful and open despite the message he was sending. Played well.

From: Crebo, David GCPE:EX
Sent: Wednesday, September 6, 2017 9:02 AM
To: Craven, Paul EAO:EX
Subject: FW: CBYK: Heyman - Ajax mine EAP
I thought this was just fine. Will forward a transcript when it's ready later.

From: tno@gov.bc.ca [<mailto:tno@gov.bc.ca>]
Sent: Wednesday, September 6, 2017 8:47 AM
Subject: CBYK: Heyman - Ajax mine EAP
CBYK (CBC Kamloops)
CBC Daybreak Kamloops
06-Sep-2017 08:14

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[TNO...](#)

[Request Transcript...](#)

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From: [Frampton, Caelie ENV:EX](#)
To: [Heyman, George ENV:EX](#)
Subject: FW: Anticipated EA Referral Schedule
Date: Tuesday, October 17, 2017 16:44:32
Attachments: [Anticipated EA Referral Schedule.docx](#)

From: Loiacono, Sabrina EAO:EX
Sent: Tuesday, October 17, 2017 4:10 PM
To: Frampton, Caelie ENV:EX; Xia, Eveline ENV:EX; Lo, Reamick ENV:EX
Cc: Neilson, Kirsten ENV:EX; Brosz, Corinne M ENV:EX; Jardine, Kevin EAO:EX
Subject: Anticipated EA Referral Schedule

Good afternoon,

As requested by the Minister, attached is the current "Anticipated EA Referral Schedule". Please note that the dates are subject to move. We will be updating this document regularly. Our office will be playing around with the format and content in the coming weeks, so if you have any input, please let me know.

Kind regards,

S.

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment and Climate Change Strategy

Government of British Columbia

250-356-7475



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Anticipated EA Referral Schedule

Last Updated: October 12, 2017

Project Name	Project Lead	Referral Date/Status/Type
Kootenay West Mine	Terry Pratt	Referral Date: Estimated restart date mid-October (October 16, 2017) - <i>Suspended June 20, 2017, on day 93</i> EA: App review started March 20 PCP Date: March 31-May 1 EA Type: BC only
Ajax Mine	Tracy James	Referral Date: Estimated Late October 2017 PCP Date (referral package): August 8 – October 10 EA Type: Coordinated
Burnco Aggregate	Gerry Hamblin	Referral Date: Estimated early December (before December 8, 2017) PCP Date: October 23 – November 23 EA Type: Coordinated – App review suspended December 7, 2016 at day 125 restarted June 19, 2017
Revelstoke Generating Station Unit 6	Heather Noble	Referral Date: January 8, 2018 PCP Date: July 19-September 1 EA Type: BC Only
Red Mountain Underground Gold	Lindsay Luke	Referral Date: Estimated April 26, 2018 – <i>Application for evaluation received September 26, 2017</i> PCP Date: Estimated October 30 – December 15 (coordination with CEAA on date still required) EA Type: Coordinated
Blackwater Gold	Tavis McDonald	Referral Date: TBD - <i>Suspended August 15, 2016</i> PCP Date: TBD EA Type: Coordinated
Prosperity Gold-Copper	Fern Stockman	Referral Date: TBD PCP Date: TBD EA Type: Amendment request November. 1, 2016; however, previously requested in 2011 and coordinated with the 2 nd federal panel.
Sukunka Coal Mine	David Grace	Referral Date: TBD - <i>Suspended on January 21, 2016</i> PCP Date: TBD EA Type: Substituted
Harper Creek	Tricia Morris	Referral Date: TBD - <i>Suspended June 30, 2015 day 153</i> PCP Date: TBD if there is a need for a 3 rd PCP on Draft Assessment Report EA Type: Coordinated

From: [Dakin, Ashley EAO:EX](#)
To: [Frampton, Caelie ENV:EX](#)
Cc: [Xia, Eveline ENV:EX](#); [Lo, Reamick ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Brosz, Corinne M ENV:EX](#)
Subject: Information Note Re: Ajax Decision Timing
Date: Wednesday, October 25, 2017 13:23:44
Attachments: [312358 - Information BN MGH Ajax referral decision timing.docx](#)

Good afternoon Caelie,

As discussed with Scott, attached is information to support the Minister for his discussion with Minister McKenna regarding the timing of the Ajax decision.

If you have any questions or require any additional information please let me know.

Kind regards,

Ashley Dakin | Executive Administrative Assistant

Assistant Deputy Minister's Office

Environmental Assessment Office

Office: 250-387-9408 | Cell: 250-882-9532 Email: Ashley.Dakin@gov.bc.ca



**ENVIRONMENTAL ASSESSMENT OFFICE
INFORMATION NOTE FOR MINISTER**

Date: October 25, 2017
File: 280-20 2017BN
XREF: 30200-20/AMIN-05
CLIFF#: 312358

PREPARED FOR: The Honourable George Heyman, Minister of Environment and Climate Change Strategy

ISSUE: Ajax Mine Environmental Assessment – federal and provincial referral decision timing may not be aligned

BACKGROUND:

KGHM Ajax Mining Inc. proposes to develop and operate the Ajax Mine Project (Ajax), an open pit copper/gold mine on the southern border of the City of Kamloops.

Ajax has been the subject of a coordinated federal-provincial environmental assessment (EA) since 2011. The federal EA is a comprehensive study, initiated under the former *Canadian Environmental Assessment Act*. Because Ajax would require federal authorizations in order to proceed, the responsible federal authorities are Fisheries and Oceans Canada and Natural Resources Canada.

The federal-provincial EA has been highly coordinated to date, including the alignment of regulatory timelines and the preparation of a joint Comprehensive Study/provincial Assessment Report (Joint Report) to inform separate federal and provincial decisions. On October 10, 2017, the EAO and the Canadian Environmental Assessment Agency (CEA Agency) concluded the final public comment period on the decision materials.

The CEA Agency has indicated they plan to finalize their decision package for the federal Minister of Environment and Climate Change (MECC) by the beginning of November 2017. There are no legislated federal timelines for the referral or for the decision by the federal minister(s). Currently, CEA Agency estimates the federal decision will be after Christmas.

Provincially, the EAO anticipates providing the Ajax referral package to provincial ministers by mid-November, which would provide for a decision before Christmas.

DISCUSSION:

Federally, the MECC will take into consideration the Joint Report, along with the comments received from the public and Indigenous groups on the Joint Report, and make an EA decision. If the MECC agrees with the findings of the Joint Report and decides that Ajax is likely to cause significant adverse effects, the Ministers of Fisheries and Oceans Canada and Natural Resources Canada

would need to recommend to the Cabinet, whether or not those effects are justified in the circumstances. The Ajax decision would require Governor in Council approval.

There are a number of steps required to secure Governor in Council approval including presentation of a Memorandum to the Cabinet by the responsible authority Ministers, discussion by the Cabinet Committee on Environment, Climate Change and Energy, ratification by the full Cabinet, and approval of an Order in Council by the Treasury Board. The Order in Council then needs to be approved by the Governor General. The timeline to complete these approval steps can vary.

There is no legislated timeline for the MECC's EA decision or the subsequent course of action decisions by the responsible authorities. The House of Commons is scheduled to rise on December 15, 2017 and return on January 29, 2018 (subject to change).

Regardless of the outcome, it is generally advisable to have federal and provincial decisions in close proximity to each other as it reduces uncertainty. This is particularly the case for Ajax, given that the federal and provincial ministers are receiving a Joint Report prepared to meet the requirements of their separate legislation and decisions.

Based on the anticipated provincial referral timing being before Christmas, and the federal process yet to occur, there remains uncertainty about the federal decision timelines.

NEXT STEPS:

The Province supports efforts to align timing of our respective EA decisions to the extent possible. The EAO has been working with the CEA Agency, and understands that it may be appropriate for discussions at the political level regarding a path forward on aligning federal and provincial decision timing.

Should the Honourable Minister Heyman wish to do this, the EAO recommends discussing with the Honourable Catherine McKenna to discuss possible federal timing, and a path forward in consideration of other federal departments.

Contact:

Name: Scott Bailey
Title: Assistant Deputy Minister
Phone: 250 387-2307

Prepared by:

Name: Tracy James
Title: Project Assessment Manager
Phone: 250 882-4074

Reviewed by	Initials	Date
<i>Associate DM</i>	SB A/Associate DM	2017/10/25
<i>ADM, EA Operations</i>	SB	2017/10/25
<i>ED, PQA/EPD</i>	NB	2017/10/25

From: [Dakin, Ashley EAO:EX](#)
To: [Frampton, Caelie ENV:EX](#)
Cc: [Xia, Eveline ENV:EX](#); [Lo, Reamick ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Brosz, Corinne M ENV:EX](#)
Subject: Information Note Re: Ajax Decision Timing
Date: Wednesday, October 25, 2017 13:23:46
Attachments: [312358 - Information BN MGH Ajax referral decision timing.docx](#)

Good afternoon Caelie,

As discussed with Scott, attached is information to support the Minister for his discussion with Minister McKenna regarding the timing of the Ajax decision.

If you have any questions or require any additional information please let me know.

Kind regards,

Ashley Dakin | Executive Administrative Assistant

Assistant Deputy Minister's Office

Environmental Assessment Office

Office: 250-387-9408 | Cell: 250-882-9532 Email: Ashley.Dakin@gov.bc.ca



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Withheld pursuant to/removed as

DUPLICATE

From: [Frampton, Caelie ENV:EX](#)
To: [Heyman, George ENV:EX](#)
Subject: Fwd: Information Note Re: Ajax Decision Timing
Date: Wednesday, October 25, 2017 13:41:00
Attachments: [ATT00001.htm](#)
[312358 - Information BN MGH Ajax referral decision timing.docx](#)
[ATT00002.htm](#)

Sent from my iPhone

Begin forwarded message:

From: "Dakin, Ashley EAO:EX" <Ashley.Dakin@gov.bc.ca>
Date: October 25, 2017 at 1:23:42 PM PDT
To: "Frampton, Caelie ENV:EX" <Caelie.Frampton@gov.bc.ca>
Cc: "Xia, Eveline ENV:EX" <Eveline.Xia@gov.bc.ca>, "Lo, Reamick ENV:EX" <Reamick.Lo@gov.bc.ca>, "Neilson, Kirsten ENV:EX" <Kirsten.Neilson@gov.bc.ca>, "Brosz, Corinne M ENV:EX" <Corinne.Brosz@gov.bc.ca>
Subject: Information Note Re: Ajax Decision Timing

Good afternoon Caelie,

As discussed with Scott, attached is information to support the Minister for his discussion with Minister McKenna regarding the timing of the Ajax decision. If you have any questions or require any additional information please let me know.

Kind regards,

Ashley Dakin | Executive Administrative Assistant
Assistant Deputy Minister's Office
Environmental Assessment Office
Office: 250-387-9408 | Cell: 250-882-9532 Email: Ashley.Dakin@gov.bc.ca

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Withheld pursuant to/removed as

DUPLICATE

From: [Sanderson, Melissa EMPR:EX](#)
To: [Xia, Eveline ENV:EX](#)
Cc: [Frampton, Caelie ENV:EX](#)
Subject: Re: Ajax
Date: Wednesday, October 25, 2017 16:17:20

No rush ☺

Sent from my iPhone

On Oct 25, 2017, at 4:04 PM, Xia, Eveline ENV:EX <Eveline.Xia@gov.bc.ca> wrote:

Hi Melissa,

I can get these letters do you but it won't until tomorrow or whenever our MoE server comes back online!

Eveline

Begin forwarded message:

From: "Sanderson, Melissa EMPR:EX" <Melissa.Sanderson@gov.bc.ca>

Date: October 25, 2017 at 2:21:43 PM PDT

To: "Frampton, Caelie ENV:EX" <Caelie.Frampton@gov.bc.ca>

Subject: Ajax

Hey Caelie,

Do you have a copy of correspondence that env sends to inquiries from citizens about Ajax?

From: [Salkus, Beverley ENV:EX](#)
To: [Xia, Eveline ENV:EX](#)
Subject: RE: Ajax
Date: Thursday, October 26, 2017 08:27:56

Here is the most current messaging we have from EAO

Thank you for taking the time to write to me on September 12th regarding the proposed Ajax Mine Project (Ajax) south of the City of Kamloops, and for sharing your concerns about the potential health, social and economic impacts of Ajax on the community, the impacts of water use, and the potential recreational effects at Jacko Lake.

The Environmental Assessment Office (EAO), the agency charged with managing the environmental assessment (EA) of proposed major projects in our province, is currently holding a public comment period to seek feedback on the joint Federal Comprehensive Study / Provincial Assessment Report (Joint Assessment Report) and the draft provincial EA certificate conditions.

It is important that all public views are heard and I encourage you, if you have not already done so, to submit your comments on the EAO website at

<https://projects.eao.gov.bc.ca/p/ajax-mine/commentperiod/list> so that they may be formally considered in the EA process. Alternatively, please contact Tracy James, Project Assessment Manager, at 250 387-0232 or by email at tracy.james@gov.bc.ca before the closure of the public comment period at midnight on October 10, 2017 and she would be pleased to submit your comments into the process on your behalf.

Following the closure of the public comment period, the EAO will prepare a report on the issues raised through the public comment period. Public submissions will also inform possible changes to the EAO's EA certificate conditions.

The EAO will provide a final decision package, including the public comment report, to me and the Minister of Energy, Mines and Petroleum Resources as the provincial decision makers. Once we receive the decision package, we have 45 days within which to make a decision to grant the Environmental Assessment Certificate, not grant one or, in the event of insufficient information, request further information from the Proponent.

Thank you again for taking the time to write to me, and for your participation in the environmental assessment process for Ajax.

With best regards,

From: Xia, Eveline ENV:EX
Sent: Thursday, October 26, 2017 8:24 AM
To: Salkus, Beverley ENV:EX
Subject: RE: Ajax

Ok – anything anywhere else that's not for Min sig but for DM sig, etc?

We just need messaging on the issue to be forwarded...

From: Salkus, Beverley ENV:EX
Sent: Thursday, October 26, 2017 7:49 AM
To: Xia, Eveline ENV:EX
Subject: FW: Ajax

Good Morning,

This is the only one I have in the queue to respond to at the moment.

Bev

From: [Loiacono, Sabrina EAO:EX](#)
To: [Frampton, Caelie ENV:EX](#); [Xia, Evelyn ENV:EX](#); [Lo, Beamick ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Brosz, Corinne M ENV:EX](#)
Cc: [Bailey, Scott EAO:EX](#)
Subject: Briefing request - Ajax
Date: Tuesday, October 31, 2017 10:55:34

Good morning,

Looking ahead, I wanted to flag that the proposed Ajax Mine project will be referred in the next few weeks.

Minister Mungall is the joint decision maker on the Environmental Assessment Certificate. As such, I would like to explore scheduling two joint briefings with Minister Heyman and Minister Mungall.

Currently we are targeting one briefing for the week of November 20th and the other two weeks after that, the week of December 4. The joint briefings should be scheduled for 1 hour each.

(Please note that this timeline is might to change.)

At the time of referral, we will provide the **key** documents attached to an email advising that the referral has now been made and the 45 day time period in which Ministers must make a decision has started. In addition to that email, we will post the materials on the Minister's SharePoint. I am happy to meet with you before the referral to go through the process if you like.

Here is a brief synopsis of the project:

A proposed open-pit copper and gold mine with a life expectancy is 23 years with a production capacity of up to 24 million tonnes of ore per year.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC Outside of Kamloops – Adjacent to the southern boundary of the City of Kamloops

EA Type: Coordinated (CEAA 2003)

Meeting Title:	Ministers Joint Briefing on Ajax
Meeting Purpose:	Ajax Mine Referral
Staff Attendees:	Kevin Jardine, Scott Bailey, Nathan Braun, Tracy James and Mark Zacharias (optional)
Meeting Dates Requested:	Week of November 20, 2017 Week of December 4, 2017
Materials	Sent at the time of referral
Meeting Duration:	1 hour

If you have any questions, please feel free to give me a call at 250-356-7475.

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

*Government of British Columbia
250-356-7475*



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Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

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250-356-7475



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From: [Kennedy, Karla ENV:EX](#)
To: [Brosz, Corinne M ENV:EX](#); [Frampton, Caelie ENV:EX](#); [Lo, Reamick ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Xia, Eveline ENV:EX](#)
Cc: [Craven, Paul EAO:EX](#); [Bailey, Scott EAO:EX](#); [Loiacono, Sabrina EAO:EX](#)
Subject: Estimates Note re: Ajax - Updated
Date: Tuesday, October 31, 2017 11:51:34
Attachments: [4 - EstimatesNote EAO Ajax Final 31Oct2017.docx](#)

Apologies – here is another updated note.

- Tab #4 - Ajax

From: Kennedy, Karla EAO:EX
Sent: Tuesday, October 31, 2017 11:41 AM
To: Brosz, Corinne M ENV:EX; Frampton, Caelie ENV:EX; Lo, Reamick ENV:EX; Neilson, Kirsten ENV:EX; Xia, Eveline ENV:EX
Cc: Craven, Paul EAO:EX; Bailey, Scott EAO:EX; Loiacono, Sabrina EAO:EX
Subject: Estimates Notes: Updated

Good morning,

Please find attached updated estimates notes for Minister's binder. These will need to be printed and replaced in their respective tabs (list below) in the separate EAO estimates binder.

- Tab #2 – UN Declaration and EA
- Tab #6 – TMX
- Tab #7 – LNG Projects
- Tab #8 – Mining Projects
- Tab #10 – Compliance and Enforcement
- Tab #11 – Project Statistics

Please let me know if you have any questions.

Thank you,

Karla Kennedy

Manager, Strategic Initiatives

Strategic Services and Compliance Division

EAO

Office: 250-387-0463

Cell: 250-882-9380

<p>ESTIMATES NOTE (2017)</p> <p>Confidential</p> <p>Environmental Assessment Office (EAO)</p> <p>Date: October 31, 2017</p>	<p>Ajax Mine Project</p>
---	---------------------------------

KEY FACTS

- KGHM Ajax Mining Inc. (KGHM) proposes to develop an open-pit gold and copper mine immediately south of the Kamloops city boundary, on largely (87%) privately-owned land. The mine is expected to process 65,000 tonnes of ore per day over an estimated 18-23 year mine life.
- The EAO has been coordinating the environmental assessment (EA) with the Canadian Environmental Assessment Agency (CEAA) since 2011.
- The EAO and CEAA developed a joint federal-provincial assessment report and the EAO developed 42 draft EA certificate conditions and a draft summary assessment report as well;
- The EAO and CEAA held a final public comment period on the EA documents from August 8 to October 10, 2017 (63 days). Over 1000 submissions were received.
- The final public comment period highlighted similar key issues as previous comment periods:
 - impacts to air quality due to dust generated on the mine site, and concerns about KGHM's ability to sufficiently mitigate dust;
 - impacts to human health, primarily from increased dust in residential areas close to the mine site;
 - impacts to the amount and quality of water quality in streams that flow near and through the mine site, and impacts to aquifers in the vicinity of the mine;
 - overlapping environmental and social impacts in Jacko Lake due to noise, blasting, removal of 2ha of the lake, fishing access restrictions, and potential interaction between the lake and adjacent mine pit;
 - concerns about impacts to property values in adjacent neighbourhoods;
 - loss of more than 1000 hectares of native grasslands; and
 - impacts to areas of Indigenous cultural and asserted Aboriginal title importance.
- The EAO and the Canadian Environmental Assessment Agency have jointly prepared a summary and response to public comments, which will be provided to the Minister of Environment and Climate Change Strategy and the Minister of Energy, Mines and Petroleum Resources as part of the complete referral package for Ministers' decision.
- Ministers, as a statutory decision makers under the *Environmental Assessment Act*, need to be careful in who they meet with, to ensure legal fairness. That is when Ministers do not take meetings with the Proponent, First Nations or local governments at this point in the process.

Public Consultation

- There has been extensive public engagement by the EAO, the CEA Agency and KGHM on the project.
- The EAO established a community advisory group in 2012 of local stakeholder organizations with an interest in the Ajax Mine. This group provided input on the EA public consultation process and on local values for the EA.
- The EAO has held five public comment periods – three during the pre-Application phase, one on the Application, and a final one on the joint EA report and draft provincial decision documents.
- Public comment periods and open houses have attracted high participation, with hundreds of attendees and thousands of comments.
- The final public comment period was a new consultation practice for the EAO, to increase public transparency regarding the EAO's assessment and conditions, and to seek public input that will inform potential changes to draft EA documents. Ajax is only the second provincial EA to date to offer this opportunity.

City of Kamloops

- City of Kamloops staff have participated in the EAO's working group of local, federal and provincial government experts, and Indigenous groups since the start of the EA.
- The City of Kamloops retained a consulting firm (SLR Consulting Ltd.) to provide review and comment to the EAO and to City Council on KGHM's Application.
- On July 17, 2017, Kamloops City Council voted to oppose the project.
- The joint assessment report and draft EA certificate conditions thoroughly considered information provided by the City of Kamloops.
- Kamloops City Council has expressed concern that their perspectives have not been adequately captured in the draft provincial materials. Council has provided a submission to the EAO for inclusion in the referral package.

Stk'emlupsemc te Secwepemc Nation (SSN)

- The EAO has been consulting deeply with SSN since the beginning of the EA. The Province considers SSN to have a strong *prima facie* claim to Aboriginal rights and title within the proposed project site.
- The EAO and the Province provided \$250,000 in capacity to SSN related to the EA.
- SSN participated in the EA and also conducted their own community-based assessment process.
- The EAO and SSN co-developed and are implementing a Collaboration Plan for the Ajax EA to ensure that SSN has direct input into the provincial decision-making process. The Province and SSN also signed a Government to Government Framework Agreement for the Ajax Mine that sets out a framework and process for relationship building, collaboration, and information sharing.
- On March 4, 2017, SSN Joint Council announced the conclusion of their process and their lack of consent to the Ajax Mine.
- The EAO incorporated information from SSN's decision package into the EAO's decision package, and will include the SSN Decision Package in the materials for the responsible ministers.

Contact: Scott Bailey, Assistant Deputy Minister
Environmental Assessment Operations, (250) 886-0853

From: [Kennedy, Karla ENV:EX](#)
To: [Brosz, Corinne M ENV:EX](#); [Frampton, Caelie ENV:EX](#); [Lo, Reamick ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Xia, Eveline ENV:EX](#)
Cc: [Craven, Paul EAO:EX](#); [Bailey, Scott EAO:EX](#); [Loiacono, Sabrina EAO:EX](#)
Subject: Estimates Note re: Ajax - Updated
Date: Tuesday, October 31, 2017 11:51:35
Attachments: [4 - EstimatesNote EAO Ajax Final 31Oct2017.docx](#)

Apologies – here is another updated note.

- Tab #4 - Ajax

From: Kennedy, Karla EAO:EX
Sent: Tuesday, October 31, 2017 11:41 AM
To: Brosz, Corinne M ENV:EX; Frampton, Caelie ENV:EX; Lo, Reamick ENV:EX; Neilson, Kirsten ENV:EX; Xia, Eveline ENV:EX
Cc: Craven, Paul EAO:EX; Bailey, Scott EAO:EX; Loiacono, Sabrina EAO:EX
Subject: Estimates Notes: Updated

Good morning,

Please find attached updated estimates notes for Minister's binder. These will need to be printed and replaced in their respective tabs (list below) in the separate EAO estimates binder.

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- Tab #6 – TMX
- Tab #7 – LNG Projects
- Tab #8 – Mining Projects
- Tab #10 – Compliance and Enforcement
- Tab #11 – Project Statistics

Please let me know if you have any questions.

Thank you,

Karla Kennedy

Manager, Strategic Initiatives

Strategic Services and Compliance Division

EAO

Office: 250-387-0463

Cell: 250-882-9380

Page 037 to/à Page 038

Withheld pursuant to/removed as

DUPLICATE

From: [Loiacono, Sabrina EAO:EX](#)
To: [Xia, Eveline ENV:EX](#)
Subject: RE: Briefing request - Ajax
Date: Tuesday, November 14, 2017 16:50:57

Hi,

Of course, I would be happy to chat with you. When are you free tomorrow?

Kind regards,

S.

From: Xia, Eveline ENV:EX
Sent: Tuesday, November 14, 2017 4:19 PM
To: Loiacono, Sabrina EAO:EX
Subject: RE: Briefing request - Ajax
Hi Sabrina,

Maybe sometime Wed or Thurs we could have a phone chat about the process for Ajax, as you suggested? I'm working out of Vancouver this week. Let me know what time works for you!

Thanks!

Eveline

From: Loiacono, Sabrina EAO:EX
Sent: Tuesday, October 31, 2017 10:56 AM
To: Frampton, Caelie ENV:EX; Xia, Eveline ENV:EX; Lo, Reamick ENV:EX; Neilson, Kirsten ENV:EX; Brosz, Corinne M ENV:EX
Cc: Bailey, Scott EAO:EX
Subject: Briefing request - Ajax
Good morning,

Looking ahead, I wanted to flag that the proposed Ajax Mine project will be referred in the next few weeks.

Minister Mungall is the joint decision maker on the Environmental Assessment Certificate. As such, I would like to explore scheduling two joint briefings with Minister Heyman and Minister Mungall.

Currently we are targeting one briefing for the week of November 20th and the other two weeks after that, the week of December 4. The joint briefings should be scheduled for 1 hour each.

(Please note that this timeline is might to change.)

At the time of referral, we will provide the **key** documents attached to an email advising that the referral has now been made and the 45 day time period in which Ministers must make a decision has started. In addition to that email, we will post the materials on the Minister's SharePoint. I am happy to meet with you before the referral to go through the process if you like.

Here is a brief synopsis of the project:

A proposed open-pit copper and gold mine with a life expectancy is 23 years with a production capacity of up to 24 million tonnes of ore per year.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC Outside of Kamloops – Adjacent to the southern boundary of the City of Kamloops

EA Type: Coordinated (CEAA 2003)

Meeting Title:	Ministers Joint Briefing on Ajax
Meeting Purpose:	Ajax Mine Referral
Staff Attendees:	Kevin Jardine, Scott Bailey, Nathan Braun, Tracy James and Mark

	Zacharias (optional)
Meeting Dates Requested:	Week of November 20, 2017 Week of December 4, 2017
Materials	Sent at the time of referral
Meeting Duration:	1 hour

If you have any questions, please feel free to give me a call at 250-356-7475.

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

Government of British Columbia

250-356-7475



Environmental
Assessment Office

This e-mail is intended only for the person to whom it is addressed (the "addressee") and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use that a person other than the addressee makes of this communication is prohibited and any reliance or decisions made based on it, are the responsibility of such person. We accept no responsibility for any loss or damages suffered by any person other than the addressee as a result of decisions made or actions taken based on this communication or otherwise. If you received this in error, please contact the sender and destroy all copies of this e-mail.

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment and Climate Change Strategy

Government of British Columbia

250-356-7475



Environmental
Assessment Office

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From: [Frampton, Caelie ENV:EX](#)
To: [Karn, David GCPE:EX](#)
Cc: [Xia, Eveline ENV:EX](#); [Crebo, David GCPE:EX](#); [Cotton, Brian GCPE:EX](#)
Subject: Re: Media request - CFJC - Ajax timeline
Date: Wednesday, November 15, 2017 01:01:54

Approved.

Caelie

Sent from my iPhone

On Nov 15, 2017, at 1:59 AM, Karn, David GCPE:EX <David.Karn@gov.bc.ca> wrote:

Eveline,

Approved by EAO.

Reporter: James Peters, CFJC

Deadline: asap

Request: can Kamloops expect a decision on granting a certificate to the proposed KGHM-Ajax project before the end of the year? If not, is there a proposed timeline?

Recommend response:

At the end of the Application review, the Environmental Assessment Office will provide the Minister of Environment and Climate Change Strategy and the Minister of Energy, Mines and Petroleum Resources with a referral package that includes the joint federal-provincial Assessment Report, the Summary Assessment Report, the proposed Table of Conditions, and other relevant documents.

A notice will be posted on the Environmental Assessment Office when the referral package has been provided to the Ministers.

In accordance with the Environmental Assessment Act, Ministers have up to 45 days to decide whether to issue a certificate, not issue a certificate, or require further assessment.

If Ministers decide that more time is needed, an order may be issued to extend the time limit.

Referral materials and the Ministers' decision will be posted on the EAO website following the Ministers' decision.

Sent from my BlackBerry 10 smartphone on the TELUS network.

From: [Loiacono, Sabrina EAO:EX](#)
To: [Sanderson, Melissa EMPR:EX](#); [McNish, James EMPR:EX](#); [Hill, Robert EMPR:EX](#); [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#); [Lo, Reamick ENV:EX](#); [Nikolejsin, Dave MNGD:EX](#); [Zacharias, Mark ENV:EX](#); [Robb, Peter L. EMPR:EX](#); [Morel, David P ENV:EX](#); [Jardine, Kevin EAO:EX](#)
Cc: [Hansen, Lucy EMPR:EX](#); [Marshall, Samantha EMPR:EX](#); [Brosz, Corinne M ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Cochrane, Marlene EMPR:EX](#); [Gooderham, Coleen E ENV:EX](#); [Smith, Curtis PSSG:EX](#); [Bailey, Scott EAO:EX](#); [Dakin, Ashley EAO:EX](#)
Subject: Upcoming Environmental Assessment Referral- Ajax Mine
Date: Wednesday, November 15, 2017 10:28:54
Importance: High

Good morning,

I would like to give you a heads up that the decision package for the proposed Ajax Mine will be referred separately to both your office and that of your Deputy Minister as early as the end of this week. Pursuant to the Environmental Assessment Act and pertinent regulation, Ministers Heyman and Mungall are joint statutory decision makers on the Environmental Assessment Certificate. At the time of referral, we will email the key documents advising that the referral has now been made and the statutory 45 day time period in which Ministers must make a decision has started. In addition to that email, we will post the materials on Minister Heyman and DM Zacharias' SharePoint sites under Reference Documents. Our office will courier Minister Mungall and DM Nikolejsin a secure flashdrive as we do not have access to their SharePoint sites.

As this is the first EA referral for Ministers, there are currently two joint Ministerial briefings scheduled. The first, just after referral on November 20th from 3:00-4:00pm, will focus on the Environmental Assessment process for Ajax, the nature of the decision materials and decision-making process. This will assist in orientating Ministers to the content of the referral package in anticipation of the December 6th meeting from 1:00-2:00pm, wherein EAO staff will reiterate the high-level findings of the Assessment, answer any questions and, hopefully, receive the decision of the Ministers.

If you have any questions or concerns please feel free to connect with me.

Here is a brief synopsis of the project:

KGHM Ajax Mining Inc. proposes to develop a new open-pit copper and gold mine with a production capacity of up to 24 million tonnes of ore per year. The mine's life expectancy is 23 years.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

Government of British Columbia

250-356-7475



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From: [Frampton, Caelie ENV:EX](#)
To: [Heyman, George ENV:EX](#)
Subject: Fwd: Upcoming Environmental Assessment Referral- Ajax Mine
Date: Thursday, November 16, 2017 06:23:42

Sent from my iPhone

Begin forwarded message:

From: "Loiacono, Sabrina EAO:EX" <Sabrina.Loiacono@gov.bc.ca>
Date: November 15, 2017 at 7:28:52 PM GMT+1
To: "Sanderson, Melissa EMPR:EX" <Melissa.Sanderson@gov.bc.ca>, "McNish, James EMPR:EX" <James.McNish@gov.bc.ca>, "Hill, Robert EMPR:EX" <Robert.Hill@gov.bc.ca>, "Frampton, Caelie ENV:EX" <Caelie.Frampton@gov.bc.ca>, "Xia, Eveline ENV:EX" <Eveline.Xia@gov.bc.ca>, "Lo, Reamick ENV:EX" <Reamick.Lo@gov.bc.ca>, "Nikolejsin, Dave MNGD:EX" <Dave.Nikolejsin@gov.bc.ca>, "Zacharias, Mark ENV:EX" <Mark.Zacharias@gov.bc.ca>, "Robb, Peter L. EMPR:EX" <Peter.Robb@gov.bc.ca>, "Morel, David P ENV:EX" <David.Morel@gov.bc.ca>, "Jardine, Kevin EAO:EX" <Kevin.Jardine@gov.bc.ca>
Cc: "Hansen, Lucy EMPR:EX" <Lucy.Hansen@gov.bc.ca>, "Marshall, Samantha EMPR:EX" <Samantha.Marshall@gov.bc.ca>, "Brosz, Corinne M ENV:EX" <Corinne.Brosz@gov.bc.ca>, "Neilson, Kirsten ENV:EX" <Kirsten.Neilson@gov.bc.ca>, "Cochrane, Marlene EMPR:EX" <Marlene.Cochrane@gov.bc.ca>, "Gooderham, Coleen E ENV:EX" <Coleen.Gooderham@gov.bc.ca>, "Smith, Curtis ENV:EX" <Curtis.Smith@gov.bc.ca>, "Bailey, Scott EAO:EX" <Scott.Bailey@gov.bc.ca>, "Dakin, Ashley EAO:EX" <Ashley.Dakin@gov.bc.ca>
Subject: Upcoming Environmental Assessment Referral- Ajax Mine

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Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

Government of British Columbia

250-356-7475



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Page 046 to/à Page 047

Withheld pursuant to/removed as

DUPLICATE

From: [Loiacono, Sabrina EAO:EX](#)
To: [Xia, Eveline ENV:EX](#)
Subject: FW: Upcoming Environmental Assessment Referral- Ajax Mine
Date: Thursday, November 16, 2017 09:26:59
Importance: High

Hi Eveline,

s.22

I'm wondering if you had any questions about the email below. Happy to discuss the referral process with you today.

s.22

Kind regards,

S.

From: Loiacono, Sabrina EAO:EX
Sent: Wednesday, November 15, 2017 10:29 AM
To: Sanderson, Melissa EMPR:EX; McNish, James EMPR:EX; Hill, Robert EMPR:EX; Frampton, Caelie ENV:EX; Xia, Eveline ENV:EX; Lo, Reamick ENV:EX; Nikolejsin, Dave MNGD:EX; Zacharias, Mark ENV:EX; Robb, Peter L. EMPR:EX; Morel, David P ENV:EX; Jardine, Kevin EAO:EX
Cc: Hansen, Lucy EMPR:EX; Marshall, Samantha EMPR:EX; Brosz, Corinne M ENV:EX; Neilson, Kirsten ENV:EX; Cochrane, Marlene EMPR:EX; Gooderham, Coleen E ENV:EX; Smith, Curtis ENV:EX; Bailey, Scott EAO:EX; Dakin, Ashley EAO:EX
Subject: Upcoming Environmental Assessment Referral- Ajax Mine
Importance: High

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As this is the first EA referral for Ministers, there are currently two joint Ministerial briefings scheduled. The first, just after referral on November 20th from 3:00-4:00pm, will focus on the Environmental Assessment process for Ajax, the nature of the decision materials and decision-making process. This will assist in orientating Ministers to the content of the referral package in anticipation of the December 6th meeting from 1:00-2:00pm, wherein EAO staff will reiterate the high-level findings of the Assessment, answer any questions and, hopefully, receive the decision of the Ministers.

If you have any questions or concerns please feel free to connect with me.

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Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC
CEAA Involvement: Coordinated
Kind regards,
Sabrina

Sabrina Loiacono

*Manager- Executive Operations
Environmental Assessment Office
Ministry of Environment
Government of British Columbia
250-356-7475*



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From: [Crebo, David GCPE:EX](#)
To: [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#)
Cc: [Karn, David GCPE:EX](#); [Cotton, Brian GCPE:EX](#)
Subject: FW: Ajax Referral
Date: Monday, November 20, 2017 13:17:11

Hi guys – here's KM's for Ajax (Dave K – pls note these are tweaked slightly from the original version). The info the ministers are receiving is the referral package that will be made public after the final decision is made.

From: Crebo, David GCPE:EX
Sent: Monday, November 20, 2017 12:12 PM
To: Zadravec, Don GCPE:EX; Haslam, David GCPE:EX
Cc: Beaupre, Darren GCPE:EX; Cotton, Brian GCPE:EX; Karn, David GCPE:EX
Subject: Ajax Referral

Don,

We expect the referral at 2pm today, with the following being posted on the EAO website.

Completion of Application Review and Referral to Ministers

Ajax Mine Project

– KGHM Ajax Mining Inc.

The Environmental Assessment Office has completed the Application Review phase for the proposed Ajax Mine Project. The Environmental Assessment Office has referred KGHM Ajax Mining Inc's Application for an Environmental Assessment Certificate to the Minister of Environment and Climate Change Strategy and the Minister of Energy, Mines and Petroleum Resources for a decision. In accordance with the *Environmental Assessment Act*, Ministers have up to 45 days to decide whether to issue a certificate, not issue a certificate, or require further assessment. Referral materials and the Ministers' decision will be posted on the EAO website following the Ministers' decision.

Here's responsive KM's. (Dave – can you guys send general media requests for comment to us, so they're coming out of one shop? Otherwise, for scrums etc, MMM can just use these)

- The public comment period was extended until October 10th (63 days) so everyone had a chance to ensure their points of view would be considered by Ministers as they consider as they make their decision.
- All comments have now been summarized along with the Assessment Report and recommendations from the Executive Director in a final decision package by EAO staff, and have been provided to myself and the Minister of Energy, Mines and Petroleum Resources for a final decision.
- Once Minister Mungall and I have made our decision on the project, the entire package, including all the decision materials and our reasons for decision, will be posted online to ensure the process is fully transparent.

From: [Dakin, Ashley EAO:EX](#)
To: [Sanderson, Melissa EMPR:EX](#); [McNish, James EMPR:EX](#); [Hill, Robert EMPR:EX](#); [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#); [Lo, Reamick ENV:EX](#); [Nikolejsin, Dave MNGD:EX](#); [Zacharias, Mark ENV:EX](#); [Robb, Peter L. EMPR:EX](#); [Morel, David P ENV:EX](#); [Jardine, Kevin EAO:EX](#)
Cc: [Hansen, Lucy EMPR:EX](#); [Marshall, Samantha EMPR:EX](#); [Brosz, Corinne M ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Cochrane, Marlene EMPR:EX](#); [Gooderham, Coleen E ENV:EX](#); [Smith, Curtis PSSG:EX](#); [Bailey, Scott EAO:EX](#); [Loiacono, Sabrina EAO:EX](#)
Subject: Environmental Assessment Referral- Ajax Mine
Date: Monday, November 20, 2017 14:28:17
Attachments: [312660 Memo Min from AssocDM.pdf](#)
[Ajax Recommendations of the Executive Director 20November FINAL.pdf](#)
[Ajax CPD November 2017.pdf](#)
[Table of Conditions 20 November 2017 FINAL.pdf](#)
[Ajax DRAFT EAC November 2017.docx](#)

Good afternoon,

The Ajax Project has now been referred to Ministers Heyman and Mungall. Pursuant to the Environmental Assessment Act and pertinent regulation, Ministers Heyman and Mungall are joint statutory decision makers on the Environmental Assessment Certificate. Ministers now have a 45 day period to consider the material and make a decision by January 4, 2018.

The referral package has been posted on [Minister Heyman's](#) and [DM Zacharias'](#) SharePoint sites under Reference Documents. Our office has couriered Minister Mungall and DM Nikolejsin secure flash drives. The password for the flash drive is: s.17

Please note that the referral materials will be the subject of the Ministers' joint briefings on November 22 from 3:00-4:00pm and December 6 from 1:00-2:00pm. Please reply to this email once the flash drives have arrived at your respective offices and/or confirm that you have access to the materials on the SharePoint site.

After the second briefing, and once Ministers have approved their Reasons for Decision (RFD) document (the RFD is a document that is signed by both Ministers that outlines the Nature and Scope of the decision, the Ministers considerations and the conclusion) in preparation of the decision announcement, I will coordinate e-signs on the Reasons for Decision and, if approved, the Environmental Assessment Certificate.

Attached are the key documents which include:

- Memo to Ministers
- Recommendation of the Executive Director
- Certified Project Description
- Proposed Table of Conditions
- Draft Environmental Assessment Certificate

The referral package includes the [Joint Federal-Provincial Assessment Report](#). It also includes submissions from the SSN, the City of Kamloops, and the Proponent.

Here is a brief synopsis of the project:

KGHM Ajax Mining Inc. proposes to develop a new open-pit copper and gold mine with a production capacity of up to 24 million tonnes of ore per year. The mine's life expectancy is 23 years.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

If you have any questions or concerns please feel free to connect with [Sabrina Loiacono](#).

Kind regards,

Ashley Dakin | Executive Administrative Assistant

Assistant Deputy Minister's Office

Environmental Assessment Office

Office: 250-387-9408 | Cell: 250-882-9532 Email: Ashley.Dakin@gov.bc.ca



Good morning,

I would like to give you a heads up that the decision package for the proposed Ajax Mine will be referred separately to both your office and that of your Deputy Minister as early as the end of this week. Pursuant to the Environmental Assessment Act and pertinent regulation, Ministers Heyman and Mungall are joint statutory decision makers on the Environmental Assessment Certificate.

At the time of referral, we will email the key documents advising that the referral has now been made and the statutory 45 day time period in which Ministers must make a decision has started. In addition to that email, we will post the materials on Minister Heyman and DM Zacharias' SharePoint sites under Reference Documents. Our office will courier Minister Mungall and DM Nikolejsin a secure flashdrive as we do not have access to their SharePoint sites.

As this is the first EA referral for Ministers, there are currently two joint Ministerial briefings scheduled. The first, just after referral on November 20th from 3:00-4:00pm, will focus on the Environmental Assessment process for Ajax, the nature of the decision materials and decision-making process. This will assist in orientating Ministers to the content of the referral package in anticipation of the December 6th meeting from 1:00-2:00pm, wherein EAO staff will reiterate the high-level findings of the Assessment, answer any questions and, hopefully, received the decision of the Ministers.

If you have any questions or concerns please feel free to connect with me.

Here is a brief synopsis of the project:

KGHM Ajax Mining Inc. proposes to develop a new open-pit copper and gold mine with a production capacity of up to 24 million tonnes of ore per year. The mine's life expectancy is 23 years.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

Government of British Columbia

250-356-7475

Reference: 312660

Date: November 20, 2017

To: Honourable George Heyman
Minister of Environment and
Climate Change Strategy

Honourable Michelle Mungall
Minister of Energy and Mines and
Petroleum Resources

Re: Ajax Mine Project

The Environmental Assessment Office (EAO) has completed the review of the Application by KGHM Ajax Mining Inc. for an Environmental Assessment Certificate (Certificate) for the proposed Ajax Mine Project. The Application for a Certificate is now being referred to you both for a decision in accordance with the provisions of Section 17 of *Environmental Assessment Act* (the Act).

The Act provides that Ministers have 45 days from the date of this referral to make a decision on the Application for a Certificate. A decision is due on January 4, 2018 regarding whether to issue a Certificate. There are three options for a decision:

- Issue a Certificate;
- Refuse to issue a Certificate; or
- Order that further assessment be conducted.

Attached for your consideration are materials to inform your decision including the Recommendations of the Executive Director (Tab 1), the Summary Assessment Report (Tab 2), the Joint Assessment report (Tab 3), the proposed Environmental Assessment Certificate and Schedules (Tab 4), the Aboriginal Group submissions (Tab 5), the City of Kamloops submission (Tab 6), the KGHM Ajax Mining Inc. submission (Tab 7), the Application and Supporting Studies (Tab 8) and Public Comment Report (Tab 9).

I have arranged to brief both of you on this matter at 3pm on November 21, and 1pm on December 6, 2017.

With best regards,



Kevin Jardine
Associate Deputy Minister and Executive Director

...2

cc: Dave Nikolejsin, Deputy Minister
Ministry of Energy, Mines and Petroleum Resources

Mark Zacharias, Deputy Minister
Ministry of Environment and Climate Change Strategy

AJAX MINE PROJECT

RECOMMENDATIONS OF THE EXECUTIVE DIRECTOR

With Respect to

the Application by KGHM Ajax Mining Inc.

for an Environmental Assessment Certificate

pursuant to the *Environmental Assessment Act*, S.B.C. 2002, c.43

November 20, 2017



INTRODUCTION

KGHM Ajax Mining Inc. (KAM) has applied for an Environmental Assessment Certificate to construct, operate, and decommission the Ajax Mine Project (Ajax), an open-pit copper and gold mine and ore processing facility. The Ajax footprint would be approximately 1,700 hectares (ha) and the mine would operate for an estimated 23 years at a mining rate of 65,000 tonnes of ore per day. The proposed mine site is located within the Thompson-Nicola Regional District, adjacent to the southern boundary of the City of Kamloops, mostly (87%) on private land owned by KAM.

The Environmental Assessment Office (EAO) conducted a coordinated environmental assessment (EA) of Ajax with the Canadian Environmental Assessment Agency (Agency) and considered a full range of the potential adverse environmental, economic, social, health, and heritage effects of Ajax, as well as the potential impacts of Ajax on Aboriginal rights and title (Aboriginal Interests).

The key issues and general findings of the assessment are discussed in the EAO's summary assessment report, dated November 2017. A more detailed assessment is provided in the Joint Federal Comprehensive Study Report / Provincial Assessment Report (Joint Assessment Report), dated August 2017.

KEY CONCLUSIONS OF THE ENVIRONMENTAL ASSESSMENT

Potential Adverse Environmental, Economic, Social, Health and Heritage Effects

The EAO and the Agency identified a number of residual and cumulative adverse effects of Ajax, which are discussed in the Joint Assessment Report and Summary Assessment Report. The Summary Characterization of Residual Adverse Effects table (Appendix 1), found in the Summary Assessment Report, lists 53 residual effects for environmental, economic, social, health and heritage valued components.

Of the residual effects, the EAO and the Agency determined that Ajax would result in significant adverse effects to Indigenous heritage, and to the current use of land and resources for traditional purposes due to effects on Indigenous fishing and effects on cultural and ceremonial uses.

For other environmental, economic, social, heritage and health valued components, the EAO determined that Ajax would likely result in multiple adverse residual effects. However, with the application of mitigation measures and legally-binding conditions, the

EAO concluded, with varying levels of confidence, that these effects to valued components are not likely to be significant.

The EAO notes that, of the residual effects that were determined as not likely to be significant, 5 of them were evaluated as medium-high or high magnitude and 16 as medium magnitude. For nine of these residual effects, the significance conclusions were made with low or low-moderate confidence due to uncertainties associated with the data provided or the effectiveness of mitigation.

I note that some of the valued component assessments that had both higher magnitude and lower confidence are also inputs or pathways into other valued components, leading to compounding uncertainties about the ability to fully mitigate. The EAO (and the Agency) considered there to be low confidence in the assessment of air quality, for example, due to the complexities associated with modelling and limited information regarding the effectiveness of dust mitigation. The Summary Assessment Report notes at page 28 that, “These effects, should they occur, could include an increase in air contaminants, increase in human health risks, and decrease to community well-being, in consideration of the proximity of Ajax to the City of Kamloops.” In contemplation of the foregoing, it is my view that there is a reasonable likelihood that residual effects may not be fully mitigated.

Impacts to Aboriginal Interests, Aboriginal Consultation and Accommodation

Ajax would be located within the asserted traditional territories of Tk'emlúps te Secwépemc (Tk'emlúps Indian Band) and Skeetchestn Indian Band who were jointly represented in the EA, by Stk'emlupsemc te Secwépemc Nation (SSN). SSN communicated that the proposed site for Ajax is in an area known as *Pípsell* (small trout), which includes Jacko Lake and the surrounding area. The mine site is also in the asserted traditional territories of Ashcroft Indian Band, Lower Nicola Indian Band, and Whispering Pines/Clinton Indian Band.

The EAO consulted with the SSN in a manner consistent with the deep end of the Haida spectrum, with Ashcroft Indian Band and Lower Nicola Indian Band at the middle of the Haida spectrum and with Whispering Pines/Clinton Indian Band at a notification level. I agree with the EAO's conclusion that the provincial Crown has fulfilled its obligations for consultation to SSN, Lower Nicola Indian Band, Ashcroft Indian Band, and Whispering Pines/Clinton Indian Band.

Numerous conditions and mitigation measures have been proposed in response to concerns raised by Indigenous Groups and to legally require that subsequent steps in the development of Ajax, should an Environmental Assessment Certificate be issued, include further consultations with SSN and other Indigenous Groups. The proposed Environmental Assessment Certificate conditions are set out in Schedule B.

The EAO assessed the potential adverse impacts of Ajax on each Indigenous Group's Aboriginal Interests. The EAO concluded that the seriousness of the potential impacts of Ajax on the respective Aboriginal Interests of Ashcroft Indian Band, Lower Nicola Indian Band, and Whispering Pines/Clinton Indian Band would not exceed negligible-to-minor. I am satisfied that, with the application of the Environmental Assessment Certificate conditions, the potential for adverse impacts to the Aboriginal Interests for Lower Nicola Indian Band, Ashcroft Indian Band, and Whispering Pines/Clinton Indian Band have been avoided, minimized or otherwise accommodated to an acceptable level.

With regard to the SSN, the EAO assessed SSN as having a strong *prima facie* claim for Aboriginal rights and title in the project area. Commencing in May 2015, EAO and SSN co-developed an EA Collaboration Plan to ensure informed decision making by both parties, and to ensure multiple collaboration points with the community-based Assessment Process that SSN undertook for Ajax in addition to participating in the provincial EA.

Notwithstanding the mitigation measures and proposed Environmental Assessment Certificate conditions, the EAO's conclusions on the seriousness of impacts to SSN's asserted Aboriginal rights include: moderate impacts on the asserted right to hunt and trap, moderate-to-serious impacts on the right to fish and the right to harvest plants, and serious impacts to rights related to the practice of cultural and spiritual customs, ceremonies, and traditions at or near Pípsell.

The EAO concluded that Ajax would result in adverse impacts to SSN's asserted Aboriginal title, but noted it is unclear how the courts will address SSN's claim for Aboriginal title to this area and consequently there is uncertainty in estimating the level of seriousness of impacts to SSN's asserted Aboriginal title.

The EAO is unable to conclude regarding the adequacy of accommodation for impacts to SSN's Aboriginal Interests due to the particular location and nature of Ajax, the results of the EA including uncertainties regarding seriousness of impact to SSN asserted Aboriginal title, along with SSN's opposition to Ajax and their statements indicating they do not accept the proposed accommodation measures.

The EAO acknowledges further that SSN Joint Council announced on March 4, 2017 that they oppose the Ajax Mine Project. Ministers have been provided with the results of SSN's decision within their referral package, which includes the SSN's decision package and SSN's separate submission to Ministers.

Public Consultation

I am of the view that extensive public consultation was undertaken for Ajax, and note that there was substantial public participation throughout the EA. I am satisfied that the consultation with the public and distribution of information about Ajax, as described in the assessment report, have been adequately carried out by the EAO and KAM.

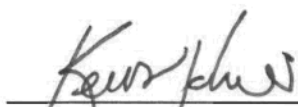
The EAO acknowledges the ongoing involvement of the City of Kamloops in the EA as well as complementary public engagement undertaken by Kamloops City Council. The EAO acknowledges that Kamloops City Council voted on July 17, 2017 to not support Ajax. The Ministers' referral package includes a letter from the Deputy Mayor outlining Council's rationale for their decision.

RECOMMENDATION

I agree with the conclusions reached by the EAO in relation to this project. In accordance with the provisions of Section 17(2)(b) of the *Environmental Assessment Act*, and upon the consideration of the assessment report, I recommend that an Environmental Assessment Certificate not be issued to KAM in connection with its Application for the Ajax Mine Project.

However, should Ministers elect to issue an Environmental Assessment Certificate for Ajax Mine Project, a draft certificate is enclosed in this referral package. Also enclosed are a Certified Project Description (Schedule A), and a proposed Table of Conditions (Schedule B), which contains 41 legally-binding conditions. I recommend that those conditions be attached to the Environmental Assessment Certificate in the event it is issued.

Submitted by:



Kevin Jardine

Associate Deputy Minister and Executive Director, Environmental Assessment Office

AJAX MINE PROJECT

SCHEDULE A

CERTIFIED PROJECT DESCRIPTION
FOR
AN ENVIRONMENTAL ASSESSMENT CERTIFICATE

INTERPRETATION

In this Certified Project Description, terms that are capitalized but not defined have the same meaning as those terms defined elsewhere in the Certificate, including in the Table of Conditions.

This Certified Project Description describes the Project authorized by this Certificate, but does not obligate the Holder to construct or operate any aspect of the Project unless otherwise stated.

DEFINITIONS

Holder	The Proponent or, if this Certificate has been transferred in accordance with the conditions below, the person to whom this Certificate has been transferred in accordance with such conditions.
--------	--

ABBREVIATIONS

Certificate	Environmental Assessment Certificate
km	kilometres
Project	Ajax Mine Project

1. PROJECT OVERVIEW

The Project is located in the South-Central Interior of British Columbia, southeast of the junction of the Trans-Canada Highway (No. 1) and the Coquihalla Highway (No. 5), within the Thompson Nicola Regional District, on the southern boundary of the City of Kamloops. The coordinates for the centre of the Project are approximately 50°36' north latitude and 120°24' west longitude.

The Ajax Mine Project uses open pit methods to mine copper and gold bearing ore and mine rock. The Project has a maximum mill throughput of 65,000 tonnes per day, and a maximum mine life of 23 years.

As shown on Figure 1, the Ajax Project Area consists of the Mine Site Area, the East Utility Corridor, and the West Transportation and Utility Corridor.

2. AJAX PROJECT COMPONENTS

The Project components are described below. All Project components are located within the Ajax Project Area, unless otherwise noted.

2.1. Mine Site Area Components

The Project includes the components, which are located in the Mine Site Area, including Mine Site Area – A through G, shown on Figures 1, 2 and 3.

The tailings storage facility is located in Mine Site Area – A.

Embankments are located in the Mine Site Area, adjacent to the tailings storage facility.

Mine rock storage facilities are in Mine Site Area – B.

Ore stockpiles are in Mine Site Area – C.

The ore processing plant, concentrate stockpile and associated facilities are located in Mine Site Area – D.

The open pit and in-pit mine rock storage facilities are located in Mine Site Area – E.

Overburden stockpiles are located in Mine Site Area – F.

Overburden stockpiles, topsoil stockpiles and mine rock storage facilities are located in Mine Site Area – G.

The following project components are located within the Mine Site Area:

- Covered crusher and conveyor;
- Jacko Lake dams, including temporary sheet pile to construct dam on the lake's north east arm;
- Mine site water management facilities, including: freshwater diversion ditches; contact water collection channels, ponds and embankments; tailings storage facility and mine rock storage facility collection channels, ponds and embankments; emergency collection ponds; and Peterson Creek diversion system;

- Haul, access, and service roads;
- Parking and laydown areas;
- Electrical power supply substation and distribution;
- Explosives and detonator storage facilities;
- Fuel storage and distribution facilities;
- Truck shop and associated wash facilities;
- Borrow areas; and
- Additional ancillary facilities.

2.2. West Transportation and Utility Corridor Components

The Project includes the following components, which are located in the West Transportation and Utility Corridor shown on Figures 1 and 4:

- Power transmission line from the Mine Site Area to the Kamloops Lake water intake site;
- Freshwater supply line for the Mine Site Area including water intake at Kamloops Lake, pipeline and pump stations;
- Tie-in to natural gas distribution line and pipeline to site;
- Access and transportation construction or upgrades to: Inks Lake Interchange at Highway 5; Ajax Mine Access Road; and the intersection of the Ajax Mine Access Road and Lac Le Jeune Road;
- Explosives manufacturing facility; and
- Parking.

2.3. East Utility Corridor Components

The Project includes the following components, which are located in the East Utility Corridor shown on Figures 1 and 5:

- Main power transmission line connecting the Mine Site Area to the BC Hydro power grid.

APPENDIX A - CERTIFIED PROJECT DESCRIPTION MAPBOOK

Figure 1: Ajax Project Overview

Figure 2: Ajax Project Mine Site Area

Figure 3: Jacko Lake Detail

Figure 4: Ajax Project West Corridor

Figure 5: Ajax Project East Corridor

Figure 1
Ajax Project Overview

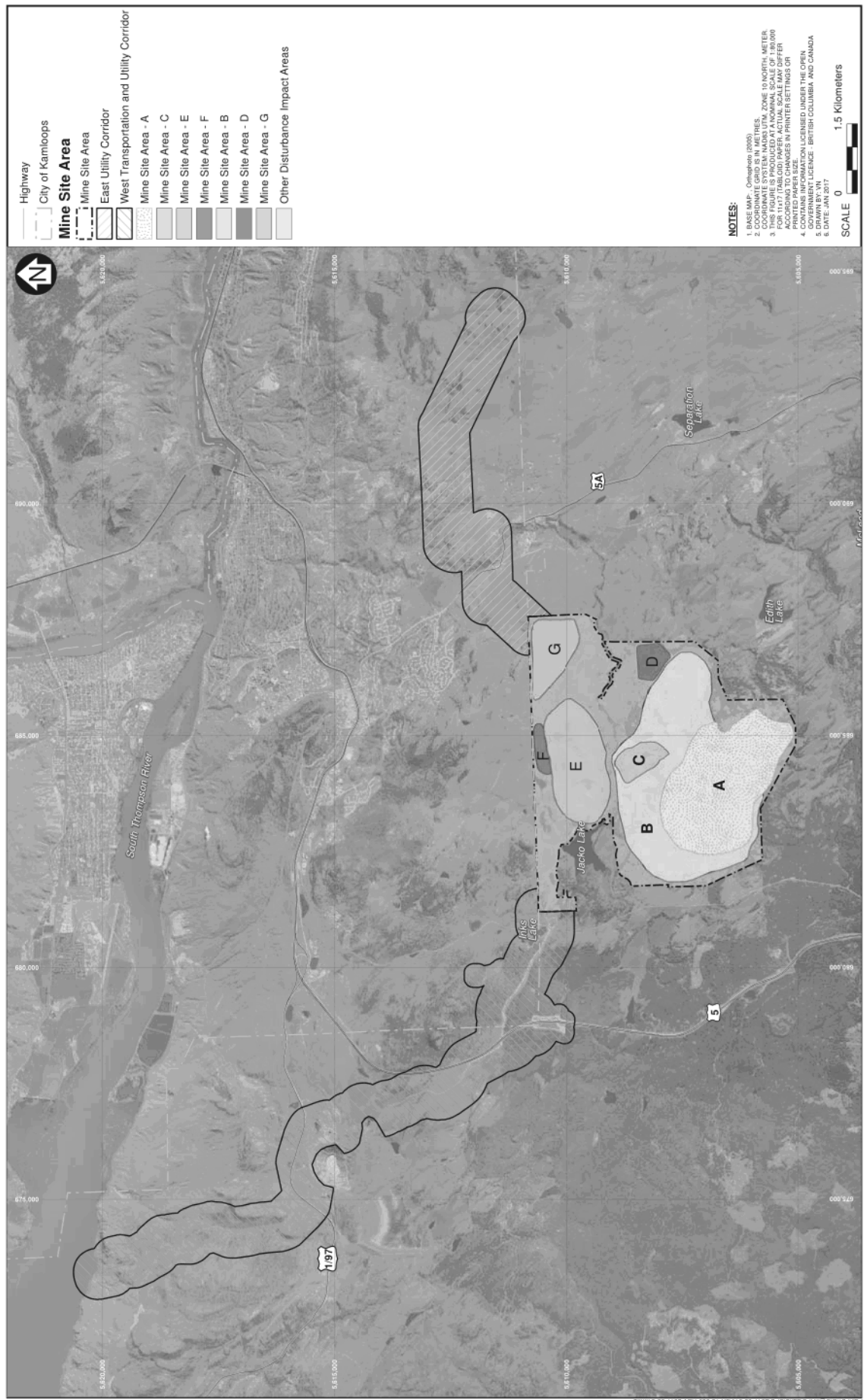


Figure 2



Figure 3



Figure 4
Ajax Project West Corridor

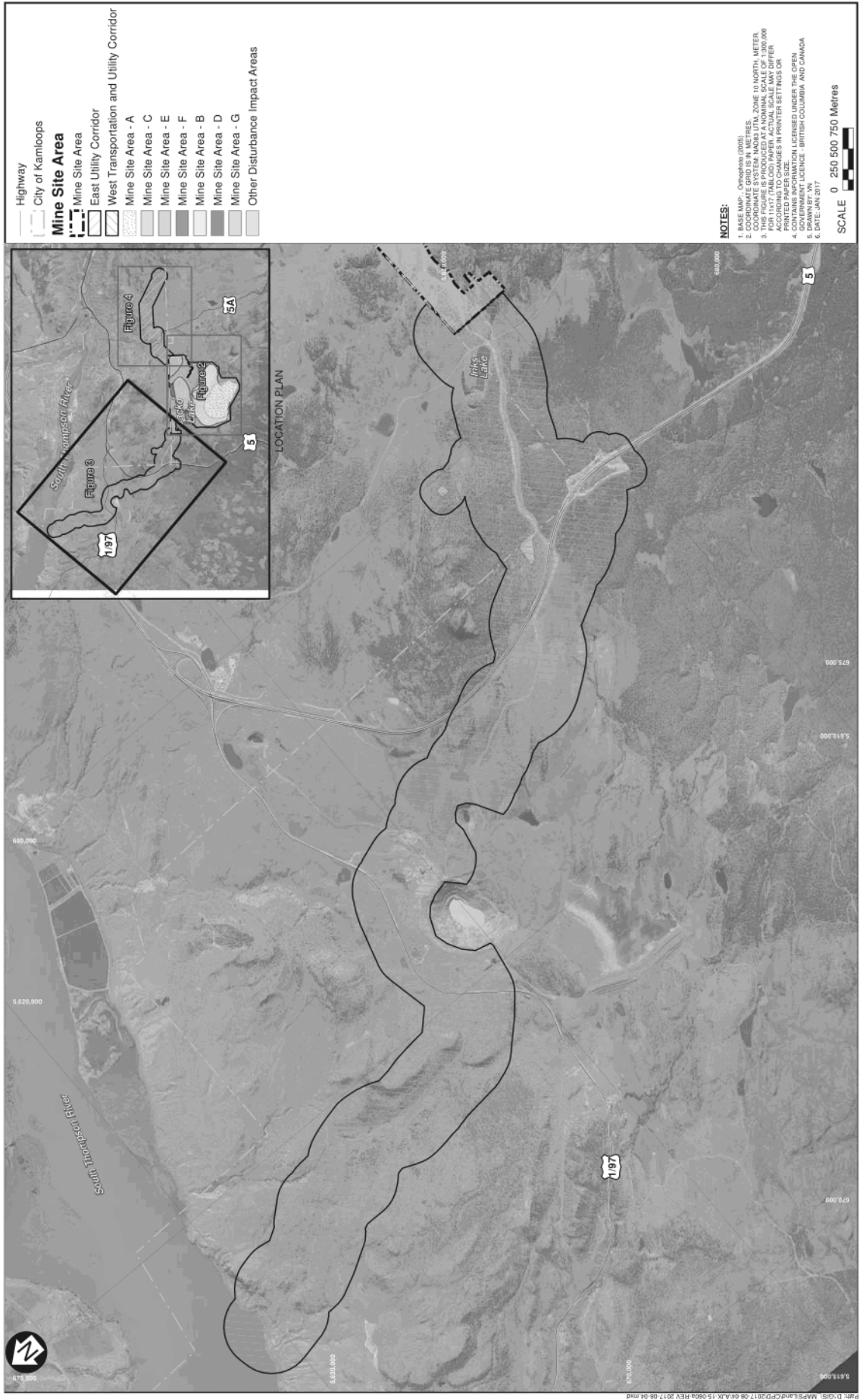
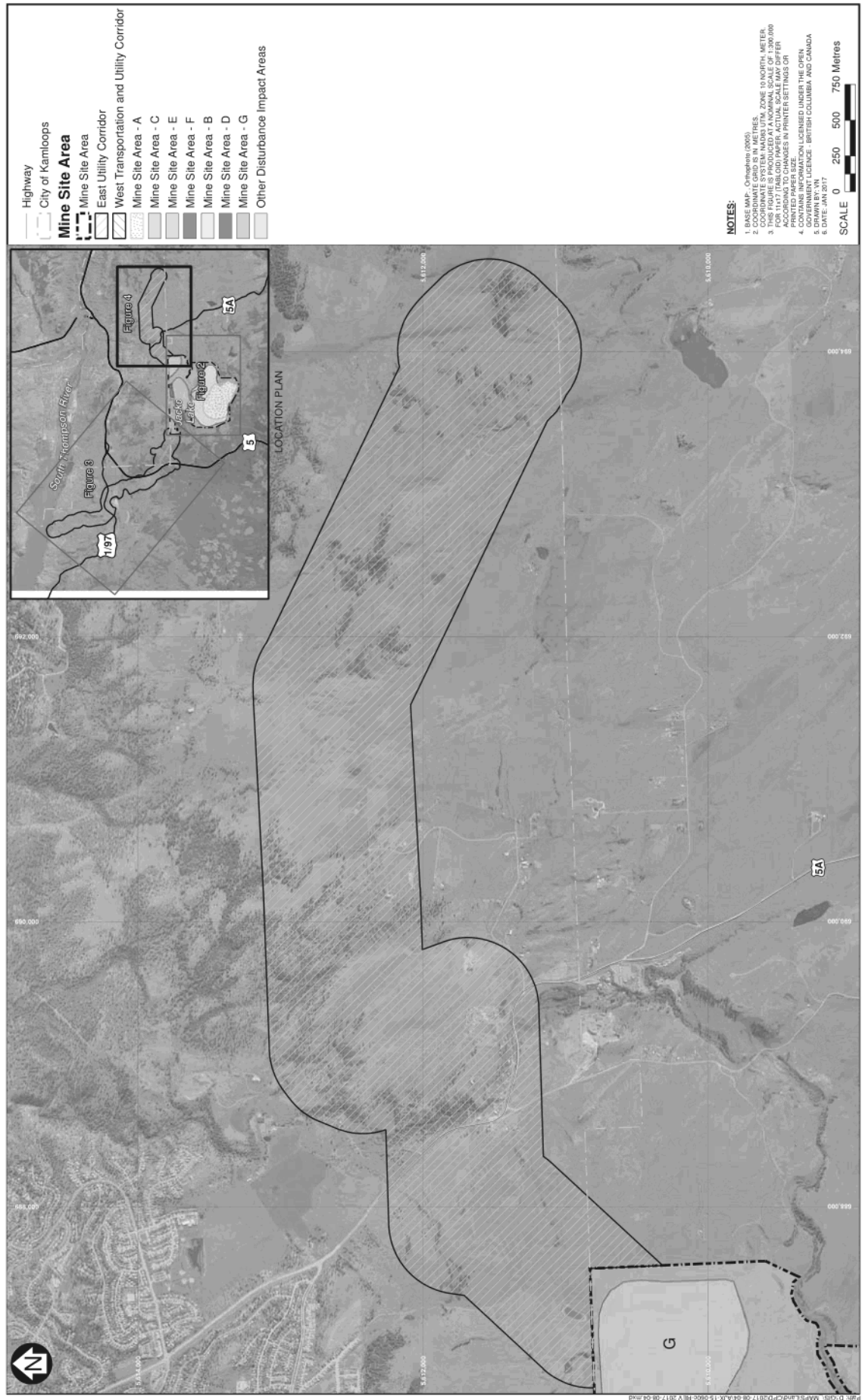


Figure 5
Ajax Project East Corridor



AJAX MINE PROJECT

SCHEDULE B

TABLE OF CONDITIONS

FOR

AN ENVIRONMENTAL ASSESSMENT CERTIFICATE

DEFINITIONS

Application	Application from KGHM Ajax Mining Inc., dated December 2015, to the Environmental Assessment Office applying for an environmental assessment certificate, pursuant to section 16 of the <i>Environmental Assessment Act</i> , accepted for review on January 18, 2016.
Care and Maintenance	The period when Construction or Operations cease for more than 90 days. For the purposes of the conditions in this Certificate, Care and Maintenance is not a Project phase.
Certificate	This Environmental Assessment Certificate.
Closure	The phase of the Project where all development and production ceases, mining facilities and infrastructure are decommissioned and/or removed from the mine site, and final reclamation activities of land and watercourses are conducted.
Construction	The phase of the Project during which physical alteration of land, vegetation or any other aspect of the natural environment occurs. For the purposes of this Schedule B, Construction does not include any activities conducted solely for investigative purposes under a valid permit or authorization.
Document	A plan, program or other document required by this Certificate.
Holder	KGHM Ajax Mining Inc. or, if this Certificate has been transferred in accordance with the conditions below, the person to whom this Certificate has been transferred in accordance with such conditions.
Indigenous Groups	Stk'emplupsemc te Secwépemc Nation, Lower Nicola Indian Band, and Ashcroft Indian Band
Mine Site Area	The area shown on Figures 1 and 2 of Schedule A (Certified Project Description) of this Certificate.
Operations	The phase of the Project beginning with the commercial operation date of the Project, which is the date on which mill production is achieved.
Post-closure	The phase of the Project following the completion of Closure during which maintenance and monitoring of the mine site occurs.

	Reclamation programs are monitored for effectiveness. Long-term management, maintenance, and monitoring programs for the mine site are implemented.
Project	Ajax Mine Project.
Qualified Professional	A person who has training, experience and expertise in a discipline relevant to the field of practice set out in the condition, and who is registered with the appropriate professional organization in British Columbia, is acting under that organization's code of ethics and is subject to disciplinary action by that organization.

Acronyms

BC	British Columbia
DFO	Fisheries and Oceans Canada
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EMPR	Ministry of Energy, Mines and Petroleum Resources
ENV	Ministry of Environment & Climate Change Strategy
FLNR	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
IEM	Independent Environmental Monitor
IHA	Interior Health Authority
QP	Qualified Professional
SSN	Stk'emlupsemc te Secwépemc Nation
TRAN	Ministry of Transportation and Infrastructure
TNRD	Thompson Nicola Regional District

No.	Proposed Condition
1.	<p>Document Review and Implementation</p> <p>Where a condition of this Certificate requires the Holder to provide a plan, program or other document, the Holder must provide the plan, program or other document to the Environmental Assessment Office (EAO) in the timeframe referenced in such condition, unless otherwise approved by the EAO. The EAO may, within 60 days of receiving a copy of such plan, program or other document, advise that:</p> <ul style="list-style-type: none"> a) The Holder may proceed to implement the plan, program or other document with or without revisions; or b) A revised plan, program, or other document must be provided for approval of the EAO prior to a specified activity or milestone. <p>If the EAO advises pursuant to paragraphs (a) or (b) that changes are required to a plan, program, or other document, then the Holder must follow the instructions of the EAO in that regard.</p> <p>If the EAO does not advise on a) or b) within 60 days of the EAO receiving a plan, program, or other document, the Holder may proceed to implement the plan, program or other document.</p> <p>The Holder may, or the EAO may require the Holder to, revise any plan, program or other document if the Holder or the EAO determines that the implementation of the plan, program or other document is not:</p> <ul style="list-style-type: none"> c) Meeting one or more objectives of the plan, program or other document set out in the relevant condition of this Certificate; d) Having the effects contemplated or intended, as set out in the plan, program or other document itself; e) Consistent with the Certificate; or f) Consistent with changes in industry best practices or technology.
2.	<p>Plan Development</p> <ul style="list-style-type: none"> a) Where a condition of this Certificate requires the Holder to develop a plan, program or other document, any such plan, program or other document must, at a minimum, include the following information: <ul style="list-style-type: none"> i) purpose and objectives of the plan, program or other document; ii) roles and responsibilities of the Holder, project personnel and contractors; iii) names and, if applicable, professional certifications and professional stamps/seals, of those responsible for the preparation of the plan, program, or other document;

No.	Proposed Condition
	<ul style="list-style-type: none"> iv) schedule for implementing the plan, program or other document throughout the relevant Project phases; v) means by which the effectiveness of the mitigation measures will be evaluated including the schedule for evaluating effectiveness; vi) adaptive management plan to address effects of the Project if the monitoring conducted under section B of this condition shows that those effects: <ul style="list-style-type: none"> i. are not mitigated to the extent contemplated in the Application and any supplementary information filed by the Holder for the purposes of completing the assessment; or ii. are not predicted in the Application and any supplementary information filed by the Holder for the purposes of completing the assessment; vii) schedules and methods for the submission of reporting to specific agencies, Indigenous Group(s) and the public and the required form and content of those reports; and viii) process and timing for updating and revising the plan, program or other document, including any consultation with agencies and Indigenous Groups that would occur in connection with such updates and revisions. <p>b) Where a plan, program or other document includes monitoring requirements, the plan, program or other document must include:</p> <ul style="list-style-type: none"> i) a description of baseline information that will be used to support monitoring of the effectiveness of mitigation; ii) the methodology, location, frequency, timing and duration of monitoring; and iii) the scope, content and frequency of reporting of the monitoring results.
3.	<p>Consultation</p> <p>Where a condition of this Certificate requires the Holder to consult a particular party or parties regarding the content of a plan, program or other document, the Holder must, to the satisfaction of the EAO:</p> <p>a) Provide written notice to each such party that:</p> <ul style="list-style-type: none"> i) includes a copy of the plan, program or other document; ii) invites the party to provide its views on the content of such plan, program or other document; and iii) indicates: <ul style="list-style-type: none"> i. if a timeframe for providing such views to the Holder is specified in the relevant condition of this Certificate, that the

No.	Proposed Condition
	<p>party may provide such views to the Holder within such timeframe; or</p> <p>ii. if a timeframe for providing such views to the Holder is not specified in the relevant condition of this Certificate, specifies a reasonable period during which the party may submit such views to the Holder;</p> <p>b) Undertake a full and impartial consideration of any views and other information provided by a party in accordance with the timelines specified in a notice given pursuant to paragraph (a);</p> <p>c) Provide a written explanation to each such party that provided comments in accordance with a notice given pursuant to paragraph (a) as to:</p> <p>i) how the views and information provided by such party to the Holder have been considered and addressed in a revised version of the plan, program or other document; or</p> <p>ii) why such views and information have not been addressed in a revised version of the plan, program or other document;</p> <p>d) Maintain a record of consultation with each such party regarding the plan, program or other document; and</p> <p>e) Provide a copy of such consultation record to the EAO, the relevant party, or both, promptly upon the written request of the EAO or such party.</p>
4.	<p>Compliance Verification and Reporting</p> <p>The Holder must provide any document, data or information requested by the EAO for the purposes of compliance inspection and verification.</p> <p>The Holder must submit a report to the EAO on the status of compliance with this Certificate at the following times:</p> <p>a) At least 30 days prior to the start of Construction;</p> <p>b) On or before January 31 in each year after the start of Construction;</p> <p>c) At least 30 days prior to the start of Operations;</p> <p>d) On or before January 31 in each year after the start of Operations;</p> <p>e) At least 30 days prior to the start of Closure; and</p> <p>f) On or before January 31 in each year after the start of Closure until the end of Closure.</p> <p>The reports must be in a form satisfactory to the EAO. The EAO may adjust or extend this reporting requirement by providing written notice to the Holder.</p>
5.	<p>Project Status Notification</p> <p>The Holder must notify the EAO and Indigenous Groups, in writing, three months</p>

No.	Proposed Condition
	<p>prior to commencing Construction, Operations, Closure, and Post Closure.</p> <p>Should the primary contact for the Project change, the Holder must notify the EAO, in writing, within 30 days of such change and provide the physical address, email address and phone number(s) of the new primary contact.</p>
6.	<p>Compliance Notification</p> <p>The Holder must notify the EAO:</p> <ul style="list-style-type: none"> a) As soon as practical; and b) In any event, no more than 72 hours; <p>after the Holder determines that the Holder has not, or may not have, fully complied with this Certificate.</p>
7.	<p>Transfer of Certificate</p> <ul style="list-style-type: none"> a) Except as provided below, neither this Certificate nor any interest in it may be transferred to any person. This Certificate will be effectively transferred if the proposed Holder acknowledges that, upon transfer, it will be responsible for complying with the conditions of the Certificate, and both the proposed Holder and the Holder <ul style="list-style-type: none"> i) obtain consent for the transfer from the Executive Director, ii) apply under section 19 of the <i>Environmental Assessment Act</i> (Act) for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer, and iii) confirm by written notice to the Executive Director, within 14 days of the completion of all aspects of the transfer transaction other than this notice, that the transfer has been completed. b) An interest in this Certificate may be transferred by way of a grant of security to lenders or financiers without consent. c) A transfer of this Certificate to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale, or as part of a court approved arrangement under the <i>Company Creditors Arrangement Act</i> may occur without consent. d) If this Certificate is transferred without consent, the new and former Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.

No.	Proposed Condition
8.	<p>Transfer of Interest in Project</p> <ul style="list-style-type: none"> a) Except in connection with the granting of security to Project lenders or financiers, prior to the Holder transferring a significant interest in the Project, the Holder and proposed transferee must: <ul style="list-style-type: none"> i) obtain consent for the transfer from the Executive Director, and ii) apply under section 19 of the Act for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer. b) A transfer to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale or as part of a court approved arrangement under the <i>Company Creditors Arrangement Act</i> may occur without consent. c) If a significant interest in the Project is transferred without consent, the Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.
9.	<p>Independent Environmental Monitor</p> <p>The Holder must retain the services of an Independent Environmental Monitor (IEM). The IEM must be a Qualified Professional (QP), unless otherwise approved by the EAO, with a minimum of five years' experience in monitoring both construction and mining operations in BC. The IEM will:</p> <ul style="list-style-type: none"> a) Observe and record for, and report to the EAO on, compliance with the Certificate; and b) Provide information to the EAO, the Ministry of Energy, Mines and Petroleum Resources (EMPR), the Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNR), Ministry of Environment & Climate Change Strategy (ENV), the City of Kamloops, Indigenous Groups, and the Holder; <p>as directed by the EAO. Subject to any exceptions set out in the terms of engagement for the IEM, when providing information or reports to the EAO, the IEM must not provide such information or reports to the Holder in advance of providing such information or reports to the EAO.</p> <p>The Holder must retain the IEM throughout Construction and Operations. The Holder must develop the terms of engagement for the IEM in consultation with EMPR, FLNR, ENV, the City of Kamloops and Indigenous Groups.</p> <p>Not less than 60 days prior to the planned commencement of Construction, the Holder must:</p> <ul style="list-style-type: none"> c) Submit to the EAO for approval the name, organization and qualifications of

No.	Proposed Condition
	<p>the proposed IEM and the IEM terms of engagement; and</p> <p>d) Provide notice to Indigenous Groups of the name, organization and qualifications of the proposed IEM.</p> <p>The Holder must not start Construction until the selection of the IEM and the terms of engagement have been approved by the EAO.</p> <p>The terms of engagement must include, at a minimum, the following:</p> <ul style="list-style-type: none"> e) The role, responsibilities and qualifications of the IEM; f) The roles, responsibilities and qualifications of any staff or other persons that will assist the IEM with performing the IEM's roles and responsibilities (each an "IEM Support"); g) The nature and frequency of monitoring; h) The process whereby the IEM or an IEM Support will make recommendations to the Holder to take mitigative or corrective actions to address any non-compliance or potential non-compliance with this Certificate; i) The process by which the recommendations in section e) above will be communicated to the EAO and the Holder; j) The situations in which the IEM will have the authority to stop work on part of all of the project if the IEM determines that: <ul style="list-style-type: none"> i) the Holder has not, or may have not, complied fully with the requirements of this Certificate; and ii) stopping work is necessary to prevent or address a non-compliance with this Certificate; k) The details of project phase completion reports for Construction and Operations to be submitted to the EAO upon completion of Construction and Operations. The reports must be written by the IEM and include: <ul style="list-style-type: none"> i) a record of all non-compliances with this Certificate; ii) a record of the recommendations made by the IEM to the Holder to prevent or address any non-compliance with this Certificate; iii) a record of whether any such recommendations from the IEM were implemented and the corresponding outcome of implementation; iv) a record of all stop work orders issued to prevent or address a non-compliance with this Certificate; v) assessment of the effectiveness of the mitigation measures for Construction and Operations; and vi) recommendations on how to achieve and maintain compliance with the conditions of this Certificate for the next project phase. l) A requirement that a detailed Construction work plan and Operations work plan be submitted to the EAO for approval prior to the start of the relevant project phase. The work plans must describe the frequency of monitoring and rationale, the manner in which non-compliances identified by the IEM will be communicated to the EAO and the Holder, and the format and frequency of IEM reports.

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10.	<p>Air Quality Reviewer</p> <p>The Holder must retain, throughout Construction, Operations and Closure, a QP, having at least five years experience in the collection and interpretation of air quality and meteorological data, to review and examine the quality of the data collected from the Holder's air quality monitoring network and the data generated as part of the plan referred to in condition 20 (the "Air Quality Reviewer").</p> <p>The Holder must develop the terms of engagement for the Air Quality Reviewer in consultation with ENV, the Interior Health Authority (IHA), the City of Kamloops and Indigenous Groups.</p> <p>Not less than 60 days prior to the planned commencement of Construction, the Holder must:</p> <ul style="list-style-type: none"> a) Submit to the EAO for approval the name, organization and qualifications of the proposed Air Quality Reviewer and the Air Quality Reviewer terms of engagement; and b) Provide notice to ENV, IHA, the City of Kamloops and Indigenous Groups of the name, organization and qualifications of the proposed Air Quality Reviewer. <p>The Holder must not start Construction until the selection of the Air Quality Reviewer and the terms of engagement have been approved by the EAO.</p> <p>The terms of engagement must include the roles and responsibilities of the Air Quality Reviewer, which must include:</p> <ul style="list-style-type: none"> c) The review and analysis of the quality of the data produced by the Holder's air quality monitoring network and the data generated as part of the plan referred to in condition 20, including trends, episodes, and metrics for comparison to applicable air quality regulatory criteria, d) The documentation of any exceedance of applicable air quality thresholds or any suspected error in the collection or reporting of data from the air quality monitoring network; e) The communication of any exceedance of air quality thresholds, specified in statute, regulation, permit or conditions of this Certificate, to the IEM; f) The preparation of a report, at least annually, on the results of the review of data required by paragraph (a); g) Verification of the actions taken by the Holder to rectify any exceedance referred to in paragraphs (b) and (c); and h) Providing the information referenced in paragraphs (a), (b) and (c) to the EAO, ENV, IHA, the City of Kamloops, Indigenous Groups and the community liaison group, or as directed by the EAO.
11.	<p>Construction Environmental Management Plan</p> <p>The Certificate Holder must retain one or more QPs to develop a construction environmental management plan. The plan must be developed in consultation with</p>

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	<p>ENV, FLNR, EMPR, City of Kamloops, IHA and Indigenous Groups.</p> <p>The construction environmental management plan must include, at a minimum, the means by which the following will be addressed:</p> <ul style="list-style-type: none"> a) Human-wildlife conflict; b) Invasive plants management; c) Erosion and sediment control; d) Landscape design and site restoration; e) Waste management; f) Spill prevention and response for hydrocarbon storage and leaks or other accidental emissions from machinery or equipment; g) Archaeology and heritage sites management; h) Noise management; i) Traffic and access; and j) Emergency response. <p>The Holder must provide the Construction Environmental Management Plan to the EAO, ENV, FLNR, EMPR, City of Kamloops, IHA and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP throughout construction and to the satisfaction of the EAO.</p>
12.	<p>SSN Involvement in Environmental Monitoring Activities</p> <p>The Holder must, in consultation with Stk'emlupsemc te Secwépemc Nation (SSN), prepare a plan to support participation of SSN in pre-construction surveys required in this Certificate, Construction, Operations, and Closure environmental monitoring required by this Certificate.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of engagement with SSN to determine opportunities for members to participate in environmental monitoring activities; b) A description of the environmental monitoring activities to be undertaken by the Holder in which SSN will be invited to participate; c) A description of the roles and responsibilities of the SSN's environmental monitor(s); and d) A description of the training that will be provided to the SSN monitor(s). <p>The Holder must submit the plan to the EAO and SSN a minimum of 60 days prior to the planned commencement of pre-Construction surveys required by this Certificate.</p> <p>The Holder must provide to the EAO reports on SSN involvement in environmental monitoring activities, which must:</p> <ul style="list-style-type: none"> e) Describe the participation of SSN in environmental monitoring activities; f) Describe the training that was offered to SSN monitors and the training that

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	<p>was completed by SSN monitors; and</p> <p>g) Describe how the information provided by SSN monitors was considered and applied to the project by the Holder or, if the information was not applied to the project provide a reason why the Holder chose not to apply the information provided by the SSN monitors.</p> <p>The reports must be provided</p> <p>h) Within 18 months of commencing pre-construction surveys required by condition 25;</p> <p>i) Within 18 months of commencing Construction;</p> <p>j) Within 18 months of the commencement of Operations;</p> <p>k) Every five years thereafter until the end of Closure; and</p> <p>l) Upon the request of the EAO.</p> <p>EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>For no less than 30 days prior to providing the report to the EAO, the Holder must share a draft of a report with SSN for their review and comment.</p>
13.	<p>Indigenous Engagement and Reporting</p> <p>The Holder must continue to engage with Indigenous Groups in a manner satisfactory to the EAO from the date of issuance of this Certificate and throughout all Project phases.</p> <p>The Holder must develop an Indigenous engagement plan in consultation with Indigenous Groups. The plan must set out the means by which the Holder will:</p> <p>a) Ensure that information concerning the Construction, Operations and Closure of the Project is communicated to Indigenous Groups in a timely, comprehensive, accessible and culturally-appropriate manner; and</p> <p>b) Respond to and address issues and concerns raised by the Indigenous Groups concerning the Construction, Operations and Closure of the Project, and the means by which the issues and concerns will be resolved in a timely manner.</p> <p>The Holder must provide the engagement plan to Indigenous Groups and to the EAO for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p> <p>The Holder must provide to the EAO reports regarding Indigenous engagement that must include:</p> <p>c) A list of the opportunities offered in accordance with the Indigenous engagement plan, and the response and participation of each Indigenous Group;</p>

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	<p>d) A summary of the issues and concerns raised by each Indigenous Group, the measures taken to address or resolve the issues and concerns raised, or an explanation of why no action was taken; and</p> <p>e) An outline of on-going or future engagement opportunities with each Indigenous Group, including those required by the conditions set out in this Certificate.</p> <p>The reports must be provided:</p> <ul style="list-style-type: none"> f) Within one year of commencing Construction; g) At the commencement of Operations; h) Every five years thereafter until the end of Closure; and i) Upon the request of the EAO. <p>The EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>For no less than 30 days prior to providing the report to the EAO, the Holder must share a draft of a report with Indigenous Groups for their review and comment.</p>
14.	<p>Indigenous Training, Employment and Procurement</p> <p>The Holder must provide to the EAO reports respecting Indigenous training, employment and procurement for the Project.</p> <p>The reports must include:</p> <ul style="list-style-type: none"> a) A description of the consultation undertaken with Indigenous Groups on training, employment and business opportunities for the Project; b) Relevant training (including on-the-job training) provided or otherwise supported by the Holder; c) The methods for communicating training, employment and procurement opportunities to Indigenous workers and Indigenous businesses and communities; d) Measures applied to ensure that Indigenous employees' cultural and traditional practices are recognized and accommodated through work schedules for Indigenous workers who engage in traditional practices, and the outcomes achieved; e) Measures that the Holder used to enhance the hiring and retention of Indigenous workers by the Holder and its sub-contractors, and the outcomes achieved; and f) Measures that the Holder used to support procurement of goods and services from Indigenous businesses, and the outcomes achieved. <p>The reports must be provided:</p> <ul style="list-style-type: none"> g) Within one year of commencing Construction; h) At the commencement of Operations; i) Every five years during Operations; and

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	<p>j) Upon the request of the EAO.</p> <p>The EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>The Holder must share a draft of the report with Indigenous Groups for their review and comment for no less than 30 days prior to providing the report to the EAO.</p>
15.	<p>SSN Access Management Plan</p> <p>The Holder must, in consultation with SSN, develop an access management plan for Construction, Operations, Closure and Post-Closure that provides safe access to the Ajax Project Area for the exercise of traditional harvesting practices and ceremonial practices.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) Opportunities for SSN to engage in harvesting resources of cultural and ceremonial value prior to site disturbance and during Construction and Operations, subject to mine safety and operational protocols; b) Measures to minimize changes in SSN access to or use of preferred ceremonial or other cultural uses sites within the Ajax Project Area; and c) A description of the means by which the Holder will provide information to SSN members regarding access. <p>The Holder must provide the plan to the EAO, EMPR, and SSN for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
16.	<p>Public Information and Communications</p> <p>The Holder must continue to engage the public from the date of issuance of this Certificate up to the end of Closure, to the satisfaction of the EAO.</p> <p>Within 120 days of the issuance of this Certificate, the Holder must establish a dedicated Project website and periodically update it as new information becomes available, throughout all phases of the Project. The website must, subject to availability:</p> <ul style="list-style-type: none"> a) Provide general information regarding the Project and Project status; b) Provide information regarding progress in permitting processes that follow the issuance of this Certificate; c) Provide information about Project activities during all phases of the Project, including the Holder's blasting schedule; d) Include information that would promote safety within and surrounding the Project area, including information for safe public access and recreation at

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	<p>Jacko Lake;</p> <ul style="list-style-type: none"> e) Provide annual reporting on the status of monitoring programs and the results of monitoring programs and activities required by the conditions of the Certificate; f) Provide the terms of reference and meeting summaries of the community liaison group required by condition 17; and g) Describe the process for receiving and addressing complaints and inquiries from the public. <p>The Holder must maintain a record of public engagement for the Project, and provide it to the EAO when requested. The public engagement record must include:</p> <ul style="list-style-type: none"> h) The name of the individual or organization that the Holder engaged with; i) The methods(s), date(s), and location(s) of engagement activities; j) A summary of issues or concerns raised by the public; and k) The measures taken by the Holder, or that will be taken, to address or respond to issues or concerns raised, or the Holder's rationale for taking no further action.
17.	<p>Community Liaison Group</p> <p>The Holder must establish and maintain a community liaison group for the Construction, Operations and Closure phases of the Project. The purpose of the community liaison group is to provide a mechanism for communication and engagement between the Holder, local governments and local stakeholder groups, as identified in the terms of reference.</p> <p>The Holder must develop a terms of reference for the community liaison group that must include:</p> <ul style="list-style-type: none"> a) The purpose and objectives of the group; b) The scope of topics and issues to be addressed by the group; c) The proposed frequency, timing and location of meetings; d) Group membership; e) The roles and responsibilities of the group members; f) The initiatives the Holder will undertake, including technical, logistical and financial support, including access to independent technical expertise, to give effect to the group's purpose and objectives; g) The means by which the group will be consulted on the plans, documents and programs required by the conditions of this Certificate; h) The process by which the group will identify issues related to Construction, Operations and Closure and the means by which mitigation measures proposed by the group to address identified issues will be considered; and i) The means by which the group will communicate its progress, the issues identified, and any associated actions taken, to the public. <p>The Holder may review the need for the community liaison group every year, in consultation with the EAO and the City of Kamloops. Following that consultation, the</p>

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	<p>EAO may determine that the Holder need no longer maintain the community liaison group.</p> <p>The Holder must provide the terms of reference to the EAO and the City of Kamloops a minimum of 120 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The terms of reference, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
18.	<p>Noise Management and Monitoring Plan</p> <p>Piling activities must be conducted between 07:00 and 22:00.</p> <p>The Holder must retain a QP to develop a noise management and monitoring plan. The plan must be developed in consultation with EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The noise performance objectives outlined in section 11.22.2 of the Application; b) The means by which the Holder will achieve the performance objectives referred to in paragraph a) and remain below the noise threshold levels identified in the Holder's memo Stantec Response to COK-SLR003.1 and COK-SLR010.1 dated October 17, 2016, and in the World Health Organization's <i>Night Noise Guidelines for Europe</i> (2009) as applied in the Holder's memo 1219_KAM_EAO Request Maximum Noise Assessment Results dated December 22, 2016; c) The mitigation measures that will be implemented to prevent and reduce noise emissions during Construction and Operations, including the use of best available control technology for noise emission sources and best management practices. The mitigation measures must include the commitments outlined in the Holder's memo (<i>Stantec Response to COK-SLR003.1 and COK-SLR010.1</i>), dated October 17, 2016, and Holder's memo <i>1219 KAM EAO Request Maximum Noise Assessment Results</i>, dated December 22, 2016; d) The noise monitoring requirements outlined in section 11.22.4 of the Application; e) The locations of monitoring stations and the equipment that will be used to conduct monitoring; and f) The approach for ensuring timely public access to noise monitoring data and reports. <p>The Holder must provide the plan to the EAO, EMPR, the City of Kamloops, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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19.	<p>Vibration Management and Monitoring Plan</p> <p>Project blasting must not exceed a ground vibration threshold of 5 mm/s, and an air blast level of 115 dBL, at 500 m from the Mine Site Area.</p> <p>The Holder must retain a QP to develop a vibration management and monitoring plan. The plan must be developed in consultation with EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The vibration and air blast overpressure performance objectives outlined in section 11.22.2 of the Application; b) The means by which the Holder will achieve the vibration and air blast overpressure performance objectives referred to in paragraph a) of this condition; c) The vibration and air blast overpressure monitoring requirements outlined in section 11.22.4 of the Application; d) The monitoring station locations and the equipment that will be used to conduct the monitoring; e) The triggers for investigating ground vibration and air blast overpressure that approach exceedance levels; and f) The approach for ensuring timely public access to vibration monitoring data and reports. <p>The Holder must provide the plan to the EAO, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
20.	<p>Air Quality Management and Monitoring Plan</p> <p>The Holder must retain a QP to develop an air quality management and monitoring plan. The plan must be developed in consultation with ENV, EMPR, IHA, the City of Kamloops, the community liaison group, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The mitigation measures that will be implemented to prevent and reduce air emissions and fugitive dust emissions during Construction, Operations, and Closure, including the use of best available control technology for emission sources and best management practices. The measures must include the commitments set out in the Holder's memo, <i>KGHM Ajax Mining Inc. Fugitive Dust Management Plan</i>, dated December 2016; b) The contaminants and corresponding levels of those contaminants that would cause the Holder to take action, up to and including the curtailment of operations, to reduce contaminant levels and what level the contaminants

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	<p>must be reduced to before operations can commence or resume;</p> <ul style="list-style-type: none"> c) The locations of monitoring stations and the equipment that will be used to conduct monitoring; d) A description of the circumstances in which the Holder will notify the EAO, ENV, EMPR, IHA, the City of Kamloops, the community liaison group, Indigenous groups, the Air Quality Reviewer, the IEM, and the public of an exceedance of the contaminant levels identified as required in paragraph b); e) The approach for ensuring timely public access to monitoring data and reports; and f) A requirement for the Holder to respond to any relevant information from the Air Quality Reviewer reports. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of providing the plan to the EAO, the Holder must also provide a copy to EMPR, ENV, IHA, Indigenous Groups, the City of Kamloops, and the community liaison group. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
21.	<p>Surface Water Quality Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a surface water quality monitoring plan. The plan must be developed in consultation with ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of how proposed mitigation measures reflect the mitigation hierarchy referenced in section 6 of BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time); b) An assessment of the effects on water quality from the use of any dust suppressants or surfactants that are planned for use at the Mine Site Area; c) The locations and methods for monitoring surface water quality during all Project phases and verifying the water quality predictions included in the Holder's memo <i>1207_KAM_KP WQ Predictions Update for Changes to Conceptual Fish Offsetting Plan</i>, dated December 7, 2016; and d) The Holder's approach to updating the water quality model used in the Application. <p>The Holder must provide the plan to the EAO, ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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22.	<p>Groundwater Investigation Plan</p> <p>The Holder must retain one or more QPs to design a groundwater investigation plan. The plan must be developed in consultation with ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) Pumping tests around the Edith Lake fault zone and Jacko Lake, including installation of additional wells and monitoring instrumentation, to inform mitigation and monitoring; b) Drilling investigations in the vicinity of the Edith Lake fault zone to inform mitigation and monitoring; c) Evaluation of groundwater quality in the Peterson Creek aquifer at a location nearer to the mine site property boundary than the RES-2 residential well (referred to in the Application, Figure 6.5-2) and upgradient of existing residential wells, to further characterize the baseline groundwater quality conditions within 1.5 km radius of the Mine Site Area; d) A schedule for reporting the results of the investigations in paragraphs (a) through (c) to the EAO, ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups; and e) The means by which the results of the groundwater investigations will be considered in the Project design, the development of the plan described under condition 23, the development of additional mitigation measures, and in the implementation of all applicable conditions of this Certificate. <p>At the time of providing the plan to the EAO, the Holder must also provide a copy to FLNR, EMPR, ENV, the City of Kamloops, and Indigenous Groups. The plan, and any amendments thereto, must be implemented to the satisfaction of the QP(s) and to the satisfaction of the EAO.</p>
23.	<p>Groundwater Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a groundwater management and monitoring plan. The plan must be developed in consultation with FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Incorporate the results of the groundwater investigation plan required by condition 22 and associated monitoring data, including data collected from any new or revised monitoring locations; b) Include the groundwater management and monitoring commitments set out in the Holder's memo <i>Ajax Project EA/EIS – Response to Memorandum entitled 'Ajax Mine Project – Review of Supplemental Correspondence BGC-022'</i>, dated April 13, 2017; c) Set out how the Holder will, prior to Construction, consult with owners of groundwater wells that utilize the Peterson Creek aquifer for drinking,

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	<p>livestock or irrigation purposes with respect to the amount of water they are entitled to withdraw, the amount of water they actually withdraw, the purpose of their groundwater use, and the quality of their groundwater;</p> <ul style="list-style-type: none"> d) Identify locations for monitoring quality and quantity of groundwater used for drinking, livestock or irrigation purposes, including an appropriate subset of the groundwater wells utilizing the Peterson Creek Aquifer that exist at the date of issuance of this Certificate; e) Describe the means by which groundwater quality and quantity (including groundwater elevations and flow) will be monitored, at the locations identified for the purposes of paragraph (d), during all Project phases; f) Describe mitigation measures the Holder will take if there are Project impacts to the groundwater wells identified pursuant to paragraph (d), including the impacts to quality and quantity referred to in paragraph (c)), up to and including providing replacement groundwater or compensation to owners of impacted wells; and g) Describe the approach and schedule for updating and re-calibrating the groundwater quality and flow models used in Section 6.5 and Section 6.6 of the Application respectively. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 60 days prior to the planned commencement of Construction, unless authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
24.	<p>Surface Water Management and Hydrometric Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a surface water management and hydrometric monitoring plan. The plan must be developed in consultation with FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The means by which the surface water management and monitoring measures set out in the Holder's memos entitled <i>Ajax Project EA/EIS – Responses to Surface Water Round 2 Information Requests (BGC-020)</i> and <i>Ajax Project EA/EIS – Responses to Surface Water Round 2 Information Requests Follow-Up (BGC-028)</i> dated December 14, 2016 and February 17, 2017, respectively, will be implemented; b) A description of the existing water licence holders on upper and lower Peterson Creek and Jacko Lake, including authorized volumes and points of diversion; c) A description of the Holder's long-term management strategy for addressing the impacts of the Project on environmental flow needs, as defined in the <i>Water Sustainability Act</i>, in Peterson Creek and Jacko Lake. The strategy must reflect the mitigation hierarchy referenced in section 6 of BC's Policy for Mitigating Impacts on Environmental Values (May 13, 2014, as amended

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	<p>from time to time);</p> <ul style="list-style-type: none"> d) A description of the Holder's long-term management strategy for meeting the water supply requirements of water licence holders upstream and downstream of the Project, in the event that the supply is affected by the Project. The long-term management strategy must: <ul style="list-style-type: none"> i. include measures that do not involve pumping from Kamloops Lake in Post-closure, and the viability of those options; and ii. set out the the specific means by which the Holder will ensure that the Project does not cause surface water licence holders on Peterson Creek and Jacko Lake to be unable to satisfy their existing authorized volumes throughout the life of the Project, and how this approach would affect the Peterson Creek watershed. e) A description of the means by which, throughout the life of the Project, streamflow in Peterson Creek and Jacko Lake will be monitored and streamflow predictions in the Holder's memo <i>021717_KAM_BGC_Surface Water Working Group Round 2 Responses Follow up</i>, dated February 17, 2017, will be verified; and f) A description of the means by which and frequency at which the water balance model used in the Application, streamflow predictions referenced in (e), and this plan will be updated in consideration of new or updated information, gained through the implementation of the plan required by this condition or the plan required by condition 23. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 90 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
25.	<p>Pre-Construction Vegetation and Wildlife Surveys</p> <p>The Holder must retain one or more QPs to prepare a pre-Construction vegetation and wildlife survey plan. The plan must be developed in consultation with FLNR, EMPR, Environment and Climate Change Canada (ECCC), and Indigenous Groups.</p> <p>Surveys conducted under the plan must:</p> <ul style="list-style-type: none"> a) Follow applicable Resource Inventory Standards Committee standards or other peer reviewed species-specific standard methods. b) Determine the presence, and distribution of target species (as defined in the Holder's memo <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> dated August 4, 2017) in the local study area as defined in the Application; c) Identify the location of movement corridors for reptiles, amphibians and badgers, and infestations of invasive species in the local study area as defined in the Application; and d) Identify and confirm the presence and relative distribution of:

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	<ul style="list-style-type: none"> i) important wildlife features, including but not limited to; leks, nests, burrows/dens, hibernacula, and breeding sites; and ii) residences and posted, proposed and draft critical habitat, including their biophysical attributes. <p>The plan must include:</p> <ul style="list-style-type: none"> e) A summary of existing baseline information; f) A description of the surveys to be completed including: <ul style="list-style-type: none"> i. those set out in Appendix A of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>; ii. surveys for federal species at risk listed under the <i>Species at Risk Act</i>, including species of Special Concern; and iii. surveys for species (plant and animal) and ecosystems that are listed as red- or blue-listed by the BC Conservation Data Centre; g) The methods to be employed for each survey including the applicable Resource Inventory Standards Committee standards or other peer reviewed species-specific standard methods; and h) The means by which the results of the surveys will be considered in the final Project design, the development of the plans described under conditions 26, 27, 28 and 29, the development of additional mitigation measures, and in the implementation of all applicable conditions of this Certificate. <p>The Holder must deliver the plan to the EAO for approval a minimum of 45 days before commencing the pre-Construction surveys. At the time of delivery of the plan to the EAO, the Holder must also provide a copy of the plan to Indigenous Groups, FLNR, EMPR, and ECCC.</p> <p>The Holder must not commence the surveys referred to in this condition until the plan has been approved by the EAO, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
26.	<p>Wildlife Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a wildlife management and monitoring plan in consultation with EMPR, ENV, FLNR, ECCC and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A separate section for each species that is listed under Schedule 1 of the <i>Species at Risk Act</i>, which identifies their proposed or final critical habitat, where applicable. b) For all other species not identified through (a) of this condition, a separate section for migratory birds, and wildlife species; c) A summary of the results of the surveys conducted under condition 25, applied to each section referenced in paragraphs (a) and (b);

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	<ul style="list-style-type: none"> d) A quantitative and qualitative description of the habitat potentially directly and indirectly affected by the Project; e) A description of the mitigation and monitoring measures to avoid and mitigate effects of the Project on wildlife species and habitats, including the measures set out in the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> and any new measures resulting from surveys conducted under condition 25; f) A description of how mitigation measures reflect the mitigation hierarchy referenced in section 6 set out in BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and any relevant provincial recovery strategies, implementation plans and species at risk management objectives, and any relevant federal species guidelines; g) Identification of sensitive habitat features and periods of time that will be avoided during Construction and Operations, linked to each wildlife species or group of species referred to in paragraphs (a) and (b); h) Where sensitive habitat features or sensitive time periods cannot be avoided, a description of how the Project will be constructed and operated to pose the least possible risk to wildlife and wildlife habitat; i) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become functional, taking into account the expected effectiveness of mitigation measures; j) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan; k) The means by which the Holder will, during Construction, Operations and Closure, record wildlife observations and mortalities in the Mine Site Area; and l) The means by which the objectives set out in the <i>Wildlife Habitat Objectives for Reclamation Plan</i>, Appendix 11.26-A of the Application, will be met. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, and Indigenous Groups.</p> <p>The Holder must not commence Construction until the plan has been approved by the EAO, unless otherwise authorized by the EAO.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
27.	<p>Vegetation Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a vegetation management and monitoring plan. The plan must be developed in consultation with EMPR, ENV,</p>

No.	Proposed Condition
	<p>FLNR, ECCC, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A list of the rare plants and rare and sensitive ecosystems to be protected by the plan that includes: <ul style="list-style-type: none"> i) those identified within Appendix B, sections 2 and 3, of the Holder's <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>, dated August 2017; ii) the plants and ecological communities identified in the Application that are listed as threatened or endangered by the Committee on the Status of Endangered Wildlife in Canada or under the <i>Species at Risk Act</i>, or that are red-listed or blue-listed by the BC Conservation Data Centre; and iii) any proposed or final critical habitat under the <i>Species at Risk Act</i> that has been identified within the local study area as defined in the Application; b) A summary of the results of the surveys conducted under condition 25, applied to each rare plant and rare and sensitive ecosystem referenced in paragraph (a); c) A description of the location and extent of habitat or the number of occurrences for each plant species potentially directly and indirectly affected by the Project; d) A description of the mitigation and monitoring measures to avoid and mitigate effects of the Project on vegetation, including the measures set out in Appendix B of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> and any new measures resulting from surveys conducted under condition 25; e) A description of measures to minimize the spread of invasive species; f) A description of how mitigation measures reflect the mitigation hierarchy referenced in section 6 of BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and any relevant provincial recovery strategies, implementation plans and species at risk management objectives, and any relevant federal species guidelines; g) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan; and h) A description of the measures the Holder will take to support rare plant surveys and research within the regional study area, as defined in the Application, to improve understanding of the distribution of rare plants species identified in a) above. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, and Indigenous Groups.</p>

No.	Proposed Condition
	<p>The Holder must not commence Construction until the plan has been approved by EAO, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
28.	<p>Grasslands Restoration and Offsetting Plan</p> <p>The Holder must retain one or more QPs to develop a grasslands restoration and offsetting plan in consultation with EMPR, ENV, FLNR, ECCC, the Agricultural Land Commission and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of the quantitative and qualitative attributes of grassland habitat potentially directly and indirectly affected by the Project; b) Maps and a description of the quantitative and qualitative attributes and condition of the the areas proposed for the plan; c) Grasslands restoration and enhancement measures, including the measures set out in Appendix B, section 1 of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>; d) An assessment of the likelihood that the measures set out in the plan will successfully restore and enhance the habitat referenced in paragraph (a); e) A discussion of how restoration and enhancement measures will contribute to offsetting Project impacts to grasslands and grassland-reliant species; f) A description of how restoration and enhancement measures reflect the mitigation hierarchy referenced in section 6 of BC’s <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and how any relevant provincial recovery strategies for grassland-reliant species at risk, implementation plans and species at risk management objectives, and any relevant federal species guidelines are incorporated; g) Measures to ensure that areas included in the plan are protected from disturbance until the mine site reaches the end land use objectives required by condition 30, or until the Holder can demonstrate that the mine site provides the necessary ecological values required for grassland-reliant species; h) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become fully functional, taking into account the expected effectiveness of mitigation measures; i) The criteria that will be used to measure the success of the restoration and enhancement measures, and the process for selecting and implementing contingency measures, including additional offsetting measures, that will be taken should these criteria not be met ; j) A discussion of how offset objectives will be developed, including the use and selection of offset ratios; k) A description of the types of offset measures that will be considered, the process for selecting which will be implemented, an estimation of the

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	<p>probability of their success, and how offset sites will be selected; and</p> <p>l) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan.</p> <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, the Agricultural Land Commission, and Indigenous Groups.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
29.	<p>Wetland Offsetting Plan</p> <p>The Holder must retain one or more QPs to develop a wetland offsetting plan, to offset unavoidable losses of wetland functions caused by the Project, in consultation with FLNR, ENV, ECCC, EMPR and Indigenous Groups. In this condition, “wetland function” refers to the ecological and lifecycle requirements provided by wetlands for wildlife species described below.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A detailed habitat description for each wetland that would be lost or altered as a result of the Project, including: <ul style="list-style-type: none"> i) quantitative and qualitative description of the functions each wetland provides including individual functional conditions, such as habitat, hydrology, including the presence and abundance of migratory birds and animal and plant species at risk; and ii) the location and extent of these wetlands in the local study area as defined in the Application; b) A description of the methods used to determine the functions and overall condition of wetlands; c) A list of species that require wetlands for all or a portion of their lifecycle requirements, including spadefoot toad and western toad, migratory birds, and wetland-associated rare plants, and a description of the locations where their specific wetland requirements would be impacted by Project activities within the local study area as defined in the Application; d) A description of the offsetting measures to be implemented, including the amount and type of offsets required, the selection of offsetting/compensation sites, and a schedule/timeline for implementation of offsetting measures. <p>Offsetting measures must include:</p> <ul style="list-style-type: none"> i) measures to compensate for expected losses of individual wetland functions described in (a); and ii) the measures described in the Holder’s memo <i>Application of the Federal Policy on Wetland Conservation in Regards to Environment</i>

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	<p><i>and Climate Change Canada Comments ECC 075 and 077, dated July 25, 2016;</i></p> <ul style="list-style-type: none"> e) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become fully functional, taking into account the expected effectiveness of mitigation measures; and f) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan. <p>The Holder must deliver the wetland offsetting plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction. The Holder must not commence Construction until the plan has been approved by the EAO, unless otherwise authorized by the EAO.</p> <p>At the time of providing the plan to the EAO, the Holder must also provide a copy of the plan to FLNR, ENV, ECCC, EMPR and Indigenous Groups.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
30.	<p>End Land Use Plan</p> <p>The Holder must retain one or more QPs to develop an end land use plan for the Ajax Project Area in consultation with EMPR, FLNR and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Describe land uses for the Ajax Project Area prior to the commencement of Construction, including traditional use information provided by Indigenous Groups; b) Provide the pre-Project and predicted Post-Closure ecosystem and land capability mapping for the Ajax Project Area; and c) Provide site-specific end land use objectives for the post-mining landscape and describe the means by which these objectives will be achieved, in consideration of the ecosystem and land capability mapping. <p>The Holder must provide the plan to the EAO, EMPR, FLNRO, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
31.	<p>Fisheries and Aquatic Life Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a Fisheries and Aquatic Life Monitoring Plan. The plan must be developed in consultation with FLNR, ENV, EMPR, Fisheries and Oceans Canada (DFO) and Indigenous Groups.</p>

No.	Proposed Condition
	<p>The plan must include:</p> <ul style="list-style-type: none"> a) Measures to avoid, mitigate and monitor potential Project effects to fish and fish habitat in Jacko Lake, Peterson Creek and Kamloops Lake, during Construction, Operations, Closure and Post-closure; b) Measures to avoid, mitigate and monitor potential mortality and injury to fish from sheet pile dam installation in Jacko Lake during Construction, and from blasting in the open pit during Operations, including; <ul style="list-style-type: none"> i. monitoring the sound pressure level and sound exposure level in the water column; and ii. the means by which visual surveys will be conducted on Jacko Lake to assess the potential for fish injury or mortality during sheet pile dam installation and blasting. c) Monitoring to assess the effectiveness of mitigation measures, including an Aquatic Effects Monitoring Program, updated from the version described in section 11.25.4 of the Application; and d) Reporting requirements, including a reporting schedule. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, DFO, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
32.	<p>Slope Stability Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a monitoring plan for slope stability, blast induced ground vibration levels, and pore water pressures between the Mine Site Area and the neighbourhood of Aberdeen. The plan must be developed in consultation with FLNR, ENV, EMPR, and the City of Kamloops.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Describe the means by which slope stability, blast induced ground vibration levels, and pore water pressures between the Mine Site Area and the neighbourhood of Aberdeen will be monitored; b) Describe the means by which monitoring data will be shared with the City of Kamloops; and c) Describe the means by which timely access to monitoring data and reports by the public and community liaison group will be ensured. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, and the City of Kamloops for review a minimum of 60 days prior to the planned commencement of Construction. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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33.	<p>Ranching Access Management</p> <p>The Holder must provide ranchers who would be affected by a complete or partial closure of Goose Lake Road, resulting from the Construction or Operation of the Project, with alternative means to move their cattle and personnel between grazing areas and their properties.</p>
34.	<p>Jacko Lake Recreation Management Plan</p> <p>The Holder must construct the improvements to the Jacko Lake access and boat launch described in section 11.21 of the Application and in the Holder's memo <i>Fish Habitat and Fishery Offsetting Plan</i>, dated July 10, 2016.</p> <p>The Holder must develop a plan to minimize the adverse effects of the Project on recreation at or near Jacko Lake during Construction and Operations. The plan must be developed in consultation with FLNR, the City of Kamloops, the community liaison group, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Include the means by which the Holder will establish a Jacko Lake users group and define the role of the group in the implementation of the plan; b) Identify the recreation and angling activities that may be affected by Project activities; c) Describe the use of Jacko Lake for angling, including as measured in angler days per year; d) Identify the means by which the Project's blast schedule will be made publically available to those wishing to fish in Jacko Lake; e) Describe the monitoring and mitigation measures the Holder will take to avoid, minimize and/or offset effects to recreation and angling at Jacko Lake; and f) Set out a feedback program for anglers and other recreational users of Jacko Lake to comment on the effectiveness of the Holder's mitigation measures. <p>The Holder must provide the plan to the EAO, FLNR, the City of Kamloops, the community liaison group, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
35.	<p>Local and Regional Training, Employment and Procurement</p> <p>The Holder must prepare monitoring reports respecting local and regional training, employment and procurement for the Project.</p>

No.	Proposed Condition
	<p>The reports must include:</p> <ul style="list-style-type: none"> a) A description of the consultation undertaken with local businesses on business opportunities for the Project; b) A description of the measures that the Holder used to enhance local and regional hiring and retention, and procurement of goods and services from local and regional businesses; and c) A description of the outcomes of the Holder's local and regional training, employment and procurement efforts. <p>The reports must be provided:</p> <ul style="list-style-type: none"> e) Within one year of commencing Construction; f) At the commencement of Operations; and g) Five years after commencing Operations. <p>The Holder must provide the monitoring reports to the EAO, the City of Kamloops, the Thompson Nicola Regional District (TNRD), and the community liaison group.</p>
36.	<p>Construction Workforce Accommodation and Health Services Plan</p> <p>The Holder must retain under contract a general practitioner for the duration of Construction, to provide healthcare services to the Project construction workforce.</p> <p>The Holder must develop a construction workforce accommodation plan in consultation with the City of Kamloops, the TNRD, community liaison group, and the IHA.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Identify the estimated number of project personnel (direct and contractor) that would require accommodation during the Construction phase of the Project; b) Identify any other parties to be consulted on the development and implementation of the plan, and how they will be consulted; c) Identify and analyse options for housing Project personnel and identify potential impacts associated with these options, including impacts on recreation, tourism, low-income and other accommodation users (including private landowners); d) Identify mitigation measures to address the potential impacts identified in paragraph (c); e) Identify the health and medical services needs that are likely to arise for the Project's employees and contractors, including those arising during off-work hours for Project employees and contractors residing temporarily in the community; f) Identify the minimum hours per week that the general practitioner will be available to provide healthcare services; and g) Identify the actions to be undertaken by the Holder to address the needs referred to in paragraph (e), including services and strategies to minimize

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	<p>effects to local health and medical services arising from the non-urgent and non-occupational health service needs of Project employees and contractors.</p> <p>The Holder must provide the plan to the EAO, the City of Kamloops, the TNRD, the community liaison group, and the IHA for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented throughout Construction to the satisfaction of the EAO.</p>
37.	<p>Light Pollution Management and Monitoring Plan</p> <p>The Holder must retain a qualified person experienced in monitoring and assessing artificial light at night, light engineering, and dark sky requirements for astronomical observatories to develop a light pollution management and monitoring plan. The plan must be developed in consultation with EMPR, FLNR, and the City of Kamloops.</p> <p>The plan must :</p> <ul style="list-style-type: none"> a) Describe the means by which the Holder will establish baseline information for dark sky in the areas that may be affected by the Project, for the purposes of establishing mitigation measures and monitoring; b) Set out the measures the Holder will employ to reduce artificial light at night coming from the Project while providing adequate lighting to ensure safe working conditions in accordance with applicable laws; and c) Include a monitoring program to be implemented during Operations to monitor and minimize the effects of glare and sky glow coming from the Project on the residential areas of Sahali, Pineview, Aberdeen, and Knutsford and at the Stake Lake Observatory. <p>The Holder must provide the plan to the EAO, EMPR, FLNR, and the City of Kamloops for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
38.	<p>Human Health Reporting</p> <p>The Holder must retain one or more QPs to develop a human health reporting plan. The plan must be developed in consultation with ENV, EMPR, IHA, Health Canada, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Include a requirement for one or more QPs to conduct an analysis of the air quality data, collected pursuant to condition 20, to evaluate the human health risks associated with inhalation exposures to NO₂, SO₂, CO, PM₁₀, PM_{2.5}, particulate-bound metals and polycyclic aromatic hydrocarbons, using the methodologies used in the Holder's memo <i>HHERA Reassessment Using Air</i>

No.	Proposed Condition
	<p><i>Quality Predictions for Dust Mitigation Effectiveness Scenarios</i>, dated February 21, 2017.</p> <ul style="list-style-type: none"> b) Include a requirement for one or more QPs to conduct an analysis of dust deposition, water quality, soil, plant, and fish tissue for metals, for the purpose of determining their combined effect on the change in human health risk from baseline conditions, during Construction, Operations and Closure. This analysis must employ the methodologies used in the Holder's memo <i>HHERA Reassessment Using Air Quality Predictions for Dust Mitigation Effectiveness Scenarios</i>, dated February 21, 2017; c) The means by which information provided by Indigenous Groups regarding the types and volumes of traditional foods harvested and consumed from the Project Area by Indigenous Groups will be integrated in the assessment required in (b); and d) Identify a schedule for conducting and reporting on the required in (a) and (b). <p>The Holder must deliver the plan to the EAO for approval for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of providing the plan to the EAO, the Holder must also provide a copy to ENV, EMPR, Health Canada, IHA, the City of Kamloops, and Indigenous Groups. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
39.	<p>Accidents and Malfunctions Communication Plan</p> <p>The Holder must develop a communication plan for accidents and malfunctions. The plan must be developed in consultation with FLNR, EMPR, ENV, IHA, City of Kamloops, the TNRD, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The means by which the Holder will notify potentially affected parties in the event of an accident or malfunction specified in section 17.6 of the Application, including the timeframe for initial notifications and updates subsequent to the initial notification; b) The information to be included in the notifications required by paragraph a), and subsequent notifications, including: <ul style="list-style-type: none"> i) health advisories; ii) remedial action being taken by the Holder; iii) details of subsequent monitoring; and iv) contact information of the Holder c) The contact information for Indigenous Groups, communities and other users of the area to which the Holder must provide notification, and a plan to regularly update this information. <p>The Holder must provide the plan to the EAO for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the</p>

No.	Proposed Condition
	EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.
40.	<p>Care and Maintenance Plan</p> <p>The Holder must retain one or more QPs to develop a plan for situations when Construction or Operations cease for more than 90 days (the "Care and Maintenance" period). This plan must cover Care and Maintenance periods lasting for indefinite or definite time frames. The plan must be developed in consultation with EMPR, ENV, FLNR, and Indigenous Groups.</p> <p>The plan must include the means by which the following will be addressed:</p> <ul style="list-style-type: none"> a) Spill prevention and response related to hydrocarbon storage and leaks or other accidental emissions from machinery or equipment; b) Sediment and erosion control; c) Building maintenance; d) Mitigation of adverse wildlife effects and wildlife monitoring; and e) Access management. <p>The plan must also include a list of documents that this plan cancels and replaces during the Care and Maintenance period.</p> <p>The plan must identify and describe how each condition in this Certificate will either:</p> <ul style="list-style-type: none"> f) Apply in full or in part during a Care and Maintenance period; or g) Cease to apply during a Care and Maintenance period. <p>The Holder must provide the plan to the EAO, EMPR, ENV, FLNR and Indigenous Groups within one year of the commencement of Construction. This plan must be updated in consultation with EMPR, ENV, FLNR and Indigenous Groups prior to any Care and Maintenance period as described above, unless otherwise authorized by the EAO.</p> <p>The plan and any amendments thereto, must be implemented during any Care and Maintenance period between the start of Construction and the completion of Operations, to the satisfaction of a QP and to the satisfaction of the EAO.</p>
41.	<p>Traffic and Access Management Plan</p> <p>The Holder must retain a QP to develop a traffic and access management plan. The plan must be developed in consultation with Ministry of Transportation and Infrastructure (TRAN), the City of Kamloops, and the TNRD.</p> <p>The plan must include a traffic impact assessment developed in accordance with TRAN's Planning and Designing Access to Developments manual (2009 or as updated from time to time). The traffic impact assessment must include, at a</p>

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	<p>minimum:</p> <ul style="list-style-type: none"> a) An analysis of the Project's effects on vehicular traffic and infrastructure and proposed mitigation measures for the Inks Lake Interchange at Highway 5, Ajax Mine Access Road, the Copperhead Interchange, and the intersection of the Ajax Mine Access Road and Lac Le Jeune Road; and b) The location and description of any Project park-and-ride facilities, and an analysis of Project-related traffic impacts on the road network surrounding those facilities. <p>The traffic and access management plan must identify measures to mitigate effects from Project-related traffic during Construction and Operations, which must include:</p> <ul style="list-style-type: none"> c) The measures outlined in section 11.20 of the Application; d) Busing or the use of other multi-passenger vehicles to transport Project personnel from locations in the Kamloops area to the Project site during Construction; e) A description of how shifts will be scheduled during Construction and Operations to minimize the need for Project personnel to travel during peak traffic times; f) The measures the Holder will take to encourage carpooling as a means of transportation to and from the Project site; and g) Measures to monitor and minimize direct mortality to wildlife due to Project traffic. <p>The Holder must provide the plan to the EAO, TRAN, the City of Kamloops, and the TNRD for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>

In the matter of the
ENVIRONMENTAL ASSESSMENT ACT
S.B.C. 2002, c. 43
(the Act)

and

in the matter of an
Application
for an
Environmental Assessment Certificate
(Application)

by

KGHM Ajax Mining Inc.
(Proponent)

for the

AJAX MINE PROJECT

ENVIRONMENTAL ASSESSMENT Certificate # M17-02

Whereas:

- A. The Proponent proposes to construct, operate, and decommission the Project described in Schedule A to this Certificate (the "Project");
- B. On February 25, 2011, a Project Lead of the Environmental Assessment Office issued an Order under Section 10(1)(c) of the Act stating that an Environmental Assessment Certificate was required for the Project and that the Proponent could not proceed with the Project in the absence of an assessment;
- C. The assessment of the Application was conducted from January 18, 2016 to November 20, 2017 and included consultations with Indigenous groups and the public respecting the Application;
- D. Compliance with this Certificate, including its conditions, will be monitored by the staff of the Environmental Assessment Office, partner agencies and others who have been authorized to inspect under the Act;
- E. On November 20, 2017, pursuant to Section 17 of the Act, the Executive Director referred the Application, the summary assessment report, the assessment report dated August 2017, and his recommendations to the undersigned November 20, 2017; and,
- F. The undersigned have considered the Application, the Summary Assessment Report, the Joint Federal Comprehensive Study Report / Provincial Assessment Report, the Report on Final Environmental Assessment Public Comment Period, the proposed Environmental Assessment

Certificate Conditions, the submissions from Stk'emlupsemc to Secwepemc Nation, the City of Kamloops, and the Proponent, and the recommendations of the Executive Director.

Now Therefore,

We issue this Environmental Assessment Certificate to the Proponent for the Project as described in the Certified Project Description (Schedule A), subject to the conditions set out in the Table of Conditions (Schedule B).

Duration of Certificate

For the purpose of Section 18(1) of the Act, the deadline is five years from the date set out below.

Honourable George Heyman
Minister of Environment and
Climate Change Strategy

Honourable Michelle Mungall
Minister of Energy, Mines
and Petroleum Resources

Issued this _____ day of _____, 2017

From: [Dakin, Ashley EAO:EX](#)
To: [Sanderson, Melissa EMPR:EX](#); [McNish, James EMPR:EX](#); [Hill, Robert EMPR:EX](#); [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#); [Lo, Reamick ENV:EX](#); [Nikolejsin, Dave MNGD:EX](#); [Zacharias, Mark ENV:EX](#); [Robb, Peter L. EMPR:EX](#); [Morel, David P ENV:EX](#); [Jardine, Kevin EAO:EX](#)
Cc: [Hansen, Lucy EMPR:EX](#); [Marshall, Samantha EMPR:EX](#); [Brosz, Corinne M ENV:EX](#); [Neilson, Kirsten ENV:EX](#); [Cochrane, Marlene EMPR:EX](#); [Gooderham, Coleen E ENV:EX](#); [Smith, Curtis PSSG:EX](#); [Bailey, Scott EAO:EX](#); [Loiacono, Sabrina EAO:EX](#)
Subject: Environmental Assessment Referral- Ajax Mine
Date: Monday, November 20, 2017 15:07:27
Attachments: [312660 Memo Min from AssocDM.pdf](#)
[Ajax Recommendations of the Executive Director 20November FINAL.pdf](#)
[Ajax CPD November 2017.pdf](#)
[Table of Conditions 20 November 2017 FINAL.pdf](#)
[Ajax DRAFT EAC November 2017.docx](#)

Good afternoon,

The Ajax Project has now been referred to Ministers Heyman and Mungall. Pursuant to the Environmental Assessment Act and pertinent regulation, Ministers Heyman and Mungall are joint statutory decision makers on the Environmental Assessment Certificate. Ministers now have a 45 day period to consider the material and make a decision by January 4, 2018.

The referral package has been posted on [Minister Heyman's](#) and [DM Zacharias'](#) SharePoint sites under Reference Documents. Our office has couriered Minister Mungall and DM Nikolejsin secure flash drives. The password for the flash drive is: ^{s.17}

Please note that the referral materials will be the subject of the Ministers' joint briefings on November 21 from 3:00-4:00pm and December 6 from 1:00-2:00pm. Please reply to this email once the flash drives have arrived at your respective offices and/or confirm that you have access to the materials on the SharePoint site.

After the second briefing, and once Ministers have approved their Reasons for Decision (RFD) document (the RFD is a document that is signed by both Ministers that outlines the Nature and Scope of the decision, the Ministers considerations and the conclusion) in preparation of the decision announcement, I will coordinate e-signs on the Reasons for Decision and, if approved, the Environmental Assessment Certificate.

Attached are the key documents which include:

- Memo to Ministers
- Recommendation of the Executive Director
- Certified Project Description
- Proposed Table of Conditions
- Draft Environmental Assessment Certificate

The referral package includes the [Joint Federal-Provincial Assessment Report](#). It also includes submissions from the SSN, the City of Kamloops, and the Proponent.

Here is a brief synopsis of the project:

KGHM Ajax Mining Inc. proposes to develop a new open-pit copper and gold mine with a production capacity of up to 24 million tonnes of ore per year. The mine's life expectancy is 23 years.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

If you have any questions or concerns please feel free to connect with [Sabrina Loiacono](#).

Apologies if you received this twice my outlook had a “not responding” error as it was sending and this email never ended up in my sent folder so I am unsure as to who received the initial email. Please note that the Ministers’ joint briefing noted in the original email was incorrect the first is taking place tomorrow November 21 3:00-4:00pm.

Kind regards,

Ashley Dakin | Executive Administrative Assistant

Assistant Deputy Minister’s Office

Environmental Assessment Office

Office: 250-387-9408 | Cell: 250-882-9532 Email: Ashley.Dakin@gov.bc.ca



Good morning,

I would like to give you a heads up that the decision package for the proposed Ajax Mine will be referred separately to both your office and that of your Deputy Minister as early as the end of this week. Pursuant to the Environmental Assessment Act and pertinent regulation, Ministers Heyman and Mungall are joint statutory decision makers on the Environmental Assessment Certificate. At the time of referral, we will email the key documents advising that the referral has now been made and the statutory 45 day time period in which Ministers must make a decision has started. In addition to that email, we will post the materials on Minister Heyman and DM Zacharias’ SharePoint sites under Reference Documents. Our office will courier Minister Mungall and DM Nikolejsin a secure flashdrive as we do not have access to their SharePoint sites.

As this is the first EA referral for Ministers, there are currently two joint Ministerial briefings scheduled. The first, just after referral on November 20th from 3:00-4:00pm, will focus on the Environmental Assessment process for Ajax, the nature of the decision materials and decision-making process. This will assist in orientating Ministers to the content of the referral package in anticipation of the December 6th meeting from 1:00-2:00pm, wherein EAO staff will reiterate the high-level findings of the Assessment, answer any questions and, hopefully, received the decision of the Ministers.

If you have any questions or concerns please feel free to connect with me.

Here is a brief synopsis of the project:

KGHM Ajax Mining Inc. proposes to develop a new open-pit copper and gold mine with a production capacity of up to 24 million tonnes of ore per year. The mine's life expectancy is 23 years.

Proponent: KGHM Ajax Mining Incorporated

Region: Thompson-Nicola

Location: Southern Interior BC

CEAA Involvement: Coordinated

Kind regards,

Sabrina

Sabrina Loiacono

Manager- Executive Operations

Environmental Assessment Office

Ministry of Environment

Government of British Columbia

250-356-7475

Reference: 312660

Date: November 20, 2017

To: Honourable George Heyman
Minister of Environment and
Climate Change Strategy

Honourable Michelle Mungall
Minister of Energy and Mines and
Petroleum Resources

Re: Ajax Mine Project

The Environmental Assessment Office (EAO) has completed the review of the Application by KGHM Ajax Mining Inc. for an Environmental Assessment Certificate (Certificate) for the proposed Ajax Mine Project. The Application for a Certificate is now being referred to you both for a decision in accordance with the provisions of Section 17 of *Environmental Assessment Act* (the Act).

The Act provides that Ministers have 45 days from the date of this referral to make a decision on the Application for a Certificate. A decision is due on January 4, 2018 regarding whether to issue a Certificate. There are three options for a decision:

- Issue a Certificate;
- Refuse to issue a Certificate; or
- Order that further assessment be conducted.

Attached for your consideration are materials to inform your decision including the Recommendations of the Executive Director (Tab 1), the Summary Assessment Report (Tab 2), the Joint Assessment report (Tab 3), the proposed Environmental Assessment Certificate and Schedules (Tab 4), the Aboriginal Group submissions (Tab 5), the City of Kamloops submission (Tab 6), the KGHM Ajax Mining Inc. submission (Tab 7), the Application and Supporting Studies (Tab 8) and Public Comment Report (Tab 9).

I have arranged to brief both of you on this matter at 3pm on November 21, and 1pm on December 6, 2017.

With best regards,



Kevin Jardine
Associate Deputy Minister and Executive Director

...2

cc: Dave Nikolejsin, Deputy Minister
Ministry of Energy, Mines and Petroleum Resources

Mark Zacharias, Deputy Minister
Ministry of Environment and Climate Change Strategy

AJAX MINE PROJECT

RECOMMENDATIONS OF THE EXECUTIVE DIRECTOR

With Respect to

the Application by KGHM Ajax Mining Inc.

for an Environmental Assessment Certificate

pursuant to the *Environmental Assessment Act*, S.B.C. 2002, c.43

November 20, 2017



INTRODUCTION

KGHM Ajax Mining Inc. (KAM) has applied for an Environmental Assessment Certificate to construct, operate, and decommission the Ajax Mine Project (Ajax), an open-pit copper and gold mine and ore processing facility. The Ajax footprint would be approximately 1,700 hectares (ha) and the mine would operate for an estimated 23 years at a mining rate of 65,000 tonnes of ore per day. The proposed mine site is located within the Thompson-Nicola Regional District, adjacent to the southern boundary of the City of Kamloops, mostly (87%) on private land owned by KAM.

The Environmental Assessment Office (EAO) conducted a coordinated environmental assessment (EA) of Ajax with the Canadian Environmental Assessment Agency (Agency) and considered a full range of the potential adverse environmental, economic, social, health, and heritage effects of Ajax, as well as the potential impacts of Ajax on Aboriginal rights and title (Aboriginal Interests).

The key issues and general findings of the assessment are discussed in the EAO's summary assessment report, dated November 2017. A more detailed assessment is provided in the Joint Federal Comprehensive Study Report / Provincial Assessment Report (Joint Assessment Report), dated August 2017.

KEY CONCLUSIONS OF THE ENVIRONMENTAL ASSESSMENT

Potential Adverse Environmental, Economic, Social, Health and Heritage Effects

The EAO and the Agency identified a number of residual and cumulative adverse effects of Ajax, which are discussed in the Joint Assessment Report and Summary Assessment Report. The Summary Characterization of Residual Adverse Effects table (Appendix 1), found in the Summary Assessment Report, lists 53 residual effects for environmental, economic, social, health and heritage valued components.

Of the residual effects, the EAO and the Agency determined that Ajax would result in significant adverse effects to Indigenous heritage, and to the current use of land and resources for traditional purposes due to effects on Indigenous fishing and effects on cultural and ceremonial uses.

For other environmental, economic, social, heritage and health valued components, the EAO determined that Ajax would likely result in multiple adverse residual effects. However, with the application of mitigation measures and legally-binding conditions, the

EAO concluded, with varying levels of confidence, that these effects to valued components are not likely to be significant.

The EAO notes that, of the residual effects that were determined as not likely to be significant, 5 of them were evaluated as medium-high or high magnitude and 16 as medium magnitude. For nine of these residual effects, the significance conclusions were made with low or low-moderate confidence due to uncertainties associated with the data provided or the effectiveness of mitigation.

I note that some of the valued component assessments that had both higher magnitude and lower confidence are also inputs or pathways into other valued components, leading to compounding uncertainties about the ability to fully mitigate. The EAO (and the Agency) considered there to be low confidence in the assessment of air quality, for example, due to the complexities associated with modelling and limited information regarding the effectiveness of dust mitigation. The Summary Assessment Report notes at page 28 that, “These effects, should they occur, could include an increase in air contaminants, increase in human health risks, and decrease to community well-being, in consideration of the proximity of Ajax to the City of Kamloops.” In contemplation of the foregoing, it is my view that there is a reasonable likelihood that residual effects may not be fully mitigated.

Impacts to Aboriginal Interests, Aboriginal Consultation and Accommodation

Ajax would be located within the asserted traditional territories of Tk'emlúps te Secwépemc (Tk'emlúps Indian Band) and Skeetchestn Indian Band who were jointly represented in the EA, by Stk'emlupsemc te Secwépemc Nation (SSN). SSN communicated that the proposed site for Ajax is in an area known as *Pípsell* (small trout), which includes Jacko Lake and the surrounding area. The mine site is also in the asserted traditional territories of Ashcroft Indian Band, Lower Nicola Indian Band, and Whispering Pines/Clinton Indian Band.

The EAO consulted with the SSN in a manner consistent with the deep end of the Haida spectrum, with Ashcroft Indian Band and Lower Nicola Indian Band at the middle of the Haida spectrum and with Whispering Pines/Clinton Indian Band at a notification level. I agree with the EAO's conclusion that the provincial Crown has fulfilled its obligations for consultation to SSN, Lower Nicola Indian Band, Ashcroft Indian Band, and Whispering Pines/Clinton Indian Band.

Numerous conditions and mitigation measures have been proposed in response to concerns raised by Indigenous Groups and to legally require that subsequent steps in the development of Ajax, should an Environmental Assessment Certificate be issued, include further consultations with SSN and other Indigenous Groups. The proposed Environmental Assessment Certificate conditions are set out in Schedule B.

The EAO assessed the potential adverse impacts of Ajax on each Indigenous Group's Aboriginal Interests. The EAO concluded that the seriousness of the potential impacts of Ajax on the respective Aboriginal Interests of Ashcroft Indian Band, Lower Nicola Indian Band, and Whispering Pines/Clinton Indian Band would not exceed negligible-to-minor. I am satisfied that, with the application of the Environmental Assessment Certificate conditions, the potential for adverse impacts to the Aboriginal Interests for Lower Nicola Indian Band, Ashcroft Indian Band, and Whispering Pines/Clinton Indian Band have been avoided, minimized or otherwise accommodated to an acceptable level.

With regard to the SSN, the EAO assessed SSN as having a strong *prima facie* claim for Aboriginal rights and title in the project area. Commencing in May 2015, EAO and SSN co-developed an EA Collaboration Plan to ensure informed decision making by both parties, and to ensure multiple collaboration points with the community-based Assessment Process that SSN undertook for Ajax in addition to participating in the provincial EA.

Notwithstanding the mitigation measures and proposed Environmental Assessment Certificate conditions, the EAO's conclusions on the seriousness of impacts to SSN's asserted Aboriginal rights include: moderate impacts on the asserted right to hunt and trap, moderate-to-serious impacts on the right to fish and the right to harvest plants, and serious impacts to rights related to the practice of cultural and spiritual customs, ceremonies, and traditions at or near Pípsell.

The EAO concluded that Ajax would result in adverse impacts to SSN's asserted Aboriginal title, but noted it is unclear how the courts will address SSN's claim for Aboriginal title to this area and consequently there is uncertainty in estimating the level of seriousness of impacts to SSN's asserted Aboriginal title.

The EAO is unable to conclude regarding the adequacy of accommodation for impacts to SSN's Aboriginal Interests due to the particular location and nature of Ajax, the results of the EA including uncertainties regarding seriousness of impact to SSN asserted Aboriginal title, along with SSN's opposition to Ajax and their statements indicating they do not accept the proposed accommodation measures.

The EAO acknowledges further that SSN Joint Council announced on March 4, 2017 that they oppose the Ajax Mine Project. Ministers have been provided with the results of SSN's decision within their referral package, which includes the SSN's decision package and SSN's separate submission to Ministers.

Public Consultation

I am of the view that extensive public consultation was undertaken for Ajax, and note that there was substantial public participation throughout the EA. I am satisfied that the consultation with the public and distribution of information about Ajax, as described in the assessment report, have been adequately carried out by the EAO and KAM.

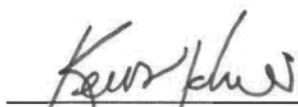
The EAO acknowledges the ongoing involvement of the City of Kamloops in the EA as well as complementary public engagement undertaken by Kamloops City Council. The EAO acknowledges that Kamloops City Council voted on July 17, 2017 to not support Ajax. The Ministers' referral package includes a letter from the Deputy Mayor outlining Council's rationale for their decision.

RECOMMENDATION

I agree with the conclusions reached by the EAO in relation to this project. In accordance with the provisions of Section 17(2)(b) of the *Environmental Assessment Act*, and upon the consideration of the assessment report, I recommend that an Environmental Assessment Certificate not be issued to KAM in connection with its Application for the Ajax Mine Project.

However, should Ministers elect to issue an Environmental Assessment Certificate for Ajax Mine Project, a draft certificate is enclosed in this referral package. Also enclosed are a Certified Project Description (Schedule A), and a proposed Table of Conditions (Schedule B), which contains 41 legally-binding conditions. I recommend that those conditions be attached to the Environmental Assessment Certificate in the event it is issued.

Submitted by:



Kevin Jardine

Associate Deputy Minister and Executive Director, Environmental Assessment Office

AJAX MINE PROJECT

SCHEDULE A

CERTIFIED PROJECT DESCRIPTION

FOR

AN ENVIRONMENTAL ASSESSMENT CERTIFICATE

INTERPRETATION

In this Certified Project Description, terms that are capitalized but not defined have the same meaning as those terms defined elsewhere in the Certificate, including in the Table of Conditions.

This Certified Project Description describes the Project authorized by this Certificate, but does not obligate the Holder to construct or operate any aspect of the Project unless otherwise stated.

DEFINITIONS

Holder	The Proponent or, if this Certificate has been transferred in accordance with the conditions below, the person to whom this Certificate has been transferred in accordance with such conditions.
--------	--

ABBREVIATIONS

Certificate	Environmental Assessment Certificate
km	kilometres
Project	Ajax Mine Project

1. PROJECT OVERVIEW

The Project is located in the South-Central Interior of British Columbia, southeast of the junction of the Trans-Canada Highway (No. 1) and the Coquihalla Highway (No. 5), within the Thompson Nicola Regional District, on the southern boundary of the City of Kamloops. The coordinates for the centre of the Project are approximately 50°36' north latitude and 120°24' west longitude.

The Ajax Mine Project uses open pit methods to mine copper and gold bearing ore and mine rock. The Project has a maximum mill throughput of 65,000 tonnes per day, and a maximum mine life of 23 years.

As shown on Figure 1, the Ajax Project Area consists of the Mine Site Area, the East Utility Corridor, and the West Transportation and Utility Corridor.

2. AJAX PROJECT COMPONENTS

The Project components are described below. All Project components are located within the Ajax Project Area, unless otherwise noted.

2.1. Mine Site Area Components

The Project includes the components, which are located in the Mine Site Area, including Mine Site Area – A through G, shown on Figures 1, 2 and 3.

The tailings storage facility is located in Mine Site Area – A.

Embankments are located in the Mine Site Area, adjacent to the tailings storage facility.

Mine rock storage facilities are in Mine Site Area – B.

Ore stockpiles are in Mine Site Area – C.

The ore processing plant, concentrate stockpile and associated facilities are located in Mine Site Area – D.

The open pit and in-pit mine rock storage facilities are located in Mine Site Area – E.

Overburden stockpiles are located in Mine Site Area – F.

Overburden stockpiles, topsoil stockpiles and mine rock storage facilities are located in Mine Site Area – G.

The following project components are located within the Mine Site Area:

- Covered crusher and conveyor;
- Jacko Lake dams, including temporary sheet pile to construct dam on the lake's north east arm;
- Mine site water management facilities, including: freshwater diversion ditches; contact water collection channels, ponds and embankments; tailings storage facility and mine rock storage facility collection channels, ponds and embankments; emergency collection ponds; and Peterson Creek diversion system;

- Haul, access, and service roads;
- Parking and laydown areas;
- Electrical power supply substation and distribution;
- Explosives and detonator storage facilities;
- Fuel storage and distribution facilities;
- Truck shop and associated wash facilities;
- Borrow areas; and
- Additional ancillary facilities.

2.2. West Transportation and Utility Corridor Components

The Project includes the following components, which are located in the West Transportation and Utility Corridor shown on Figures 1 and 4:

- Power transmission line from the Mine Site Area to the Kamloops Lake water intake site;
- Freshwater supply line for the Mine Site Area including water intake at Kamloops Lake, pipeline and pump stations;
- Tie-in to natural gas distribution line and pipeline to site;
- Access and transportation construction or upgrades to: Inks Lake Interchange at Highway 5; Ajax Mine Access Road; and the intersection of the Ajax Mine Access Road and Lac Le Jeune Road;
- Explosives manufacturing facility; and
- Parking.

2.3. East Utility Corridor Components

The Project includes the following components, which are located in the East Utility Corridor shown on Figures 1 and 5:

- Main power transmission line connecting the Mine Site Area to the BC Hydro power grid.

APPENDIX A - CERTIFIED PROJECT DESCRIPTION MAPBOOK

Figure 1: Ajax Project Overview

Figure 2: Ajax Project Mine Site Area

Figure 3: Jacko Lake Detail

Figure 4: Ajax Project West Corridor

Figure 5: Ajax Project East Corridor

Figure 1
Ajax Project Overview

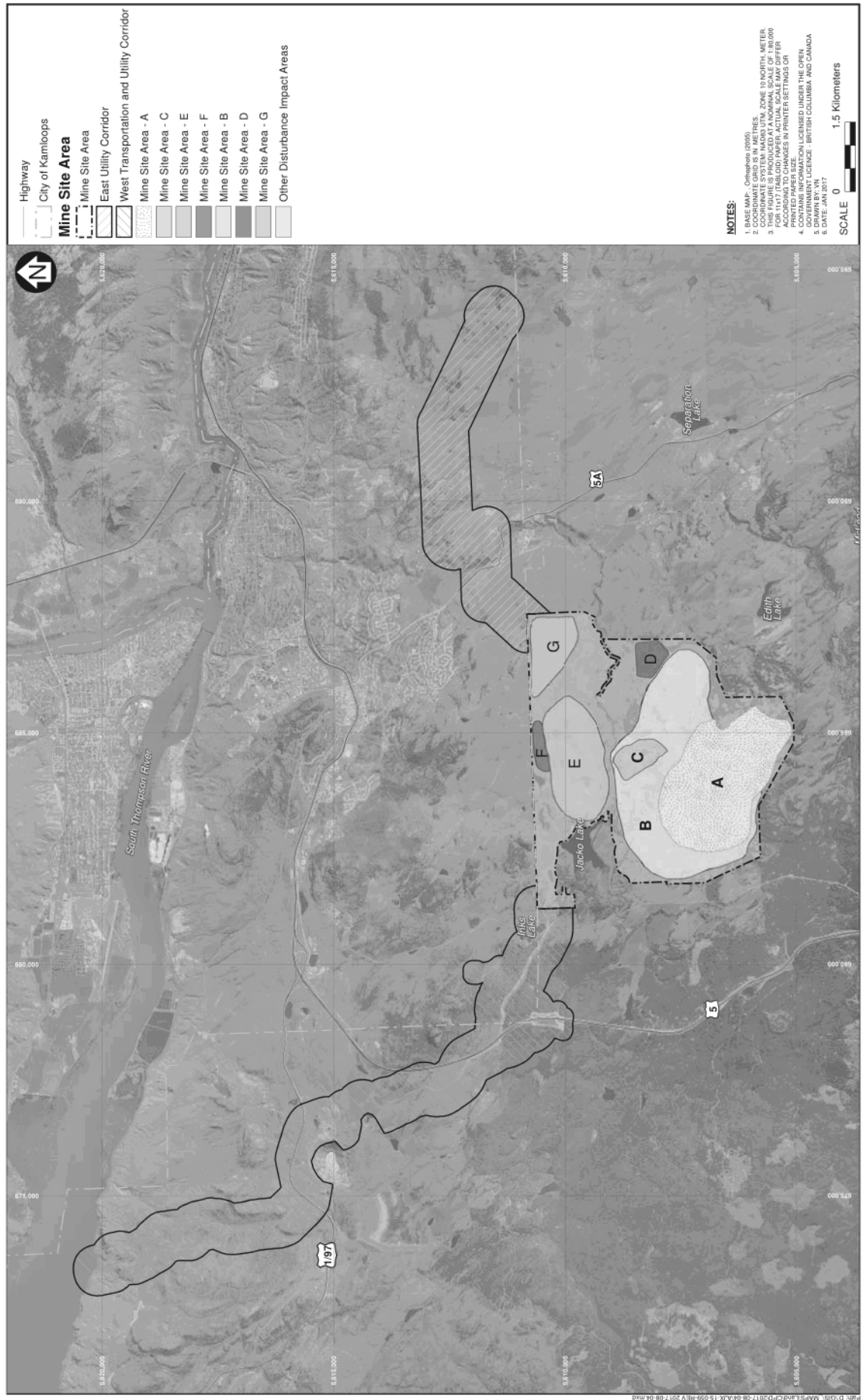


Figure 2
Ajax Project Mine Site Area

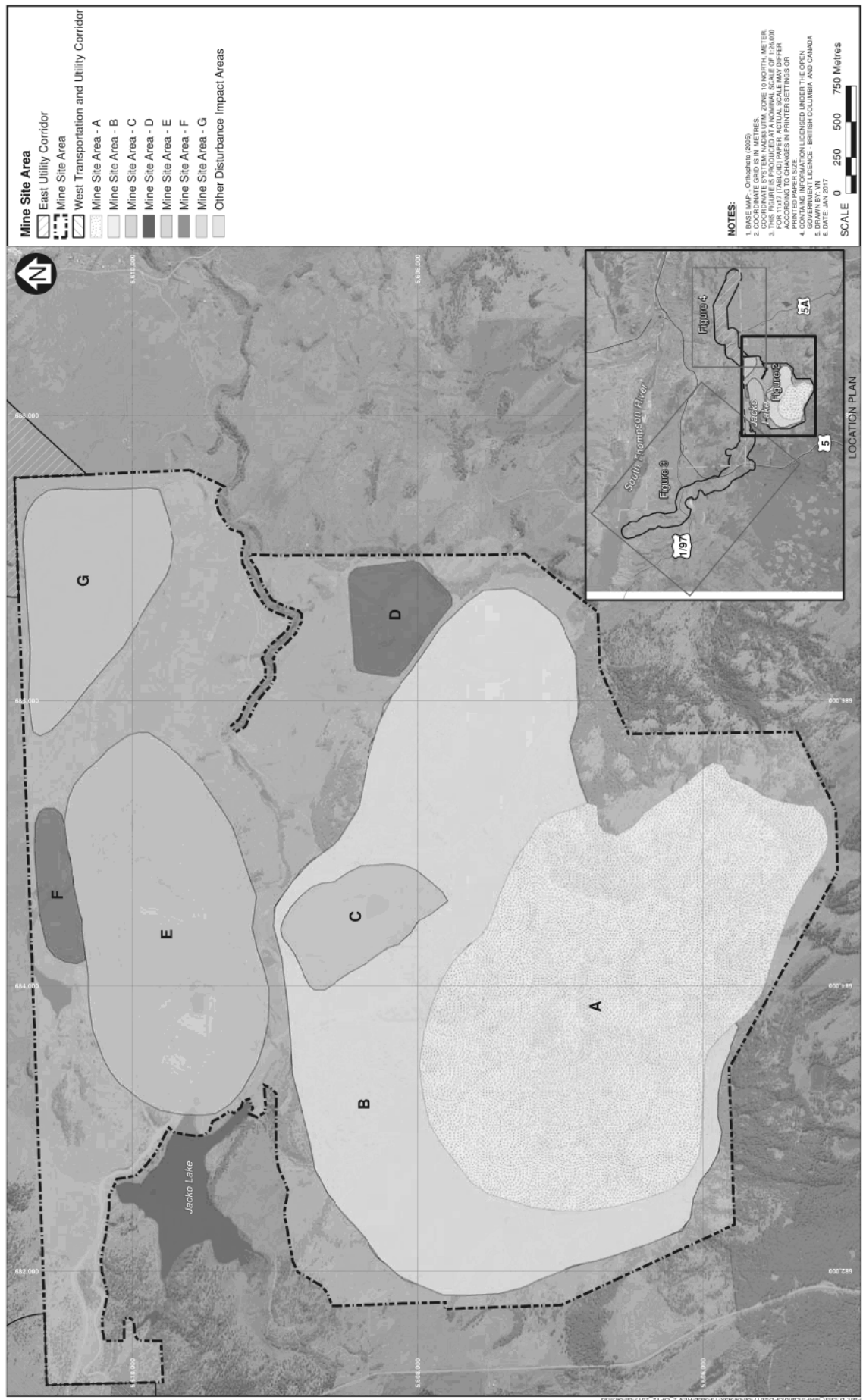


Figure 3



Figure 4
Ajax Project West Corridor

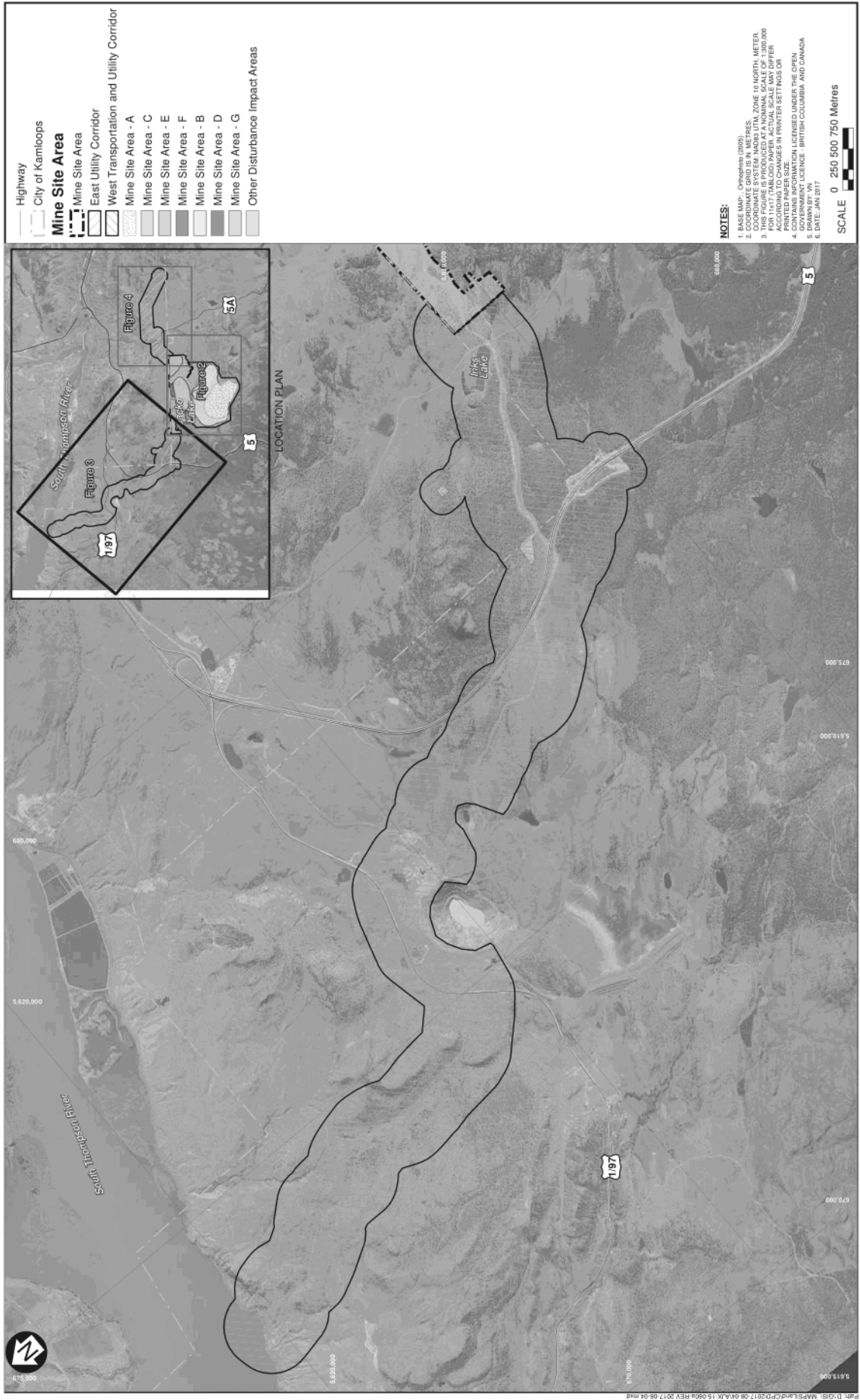
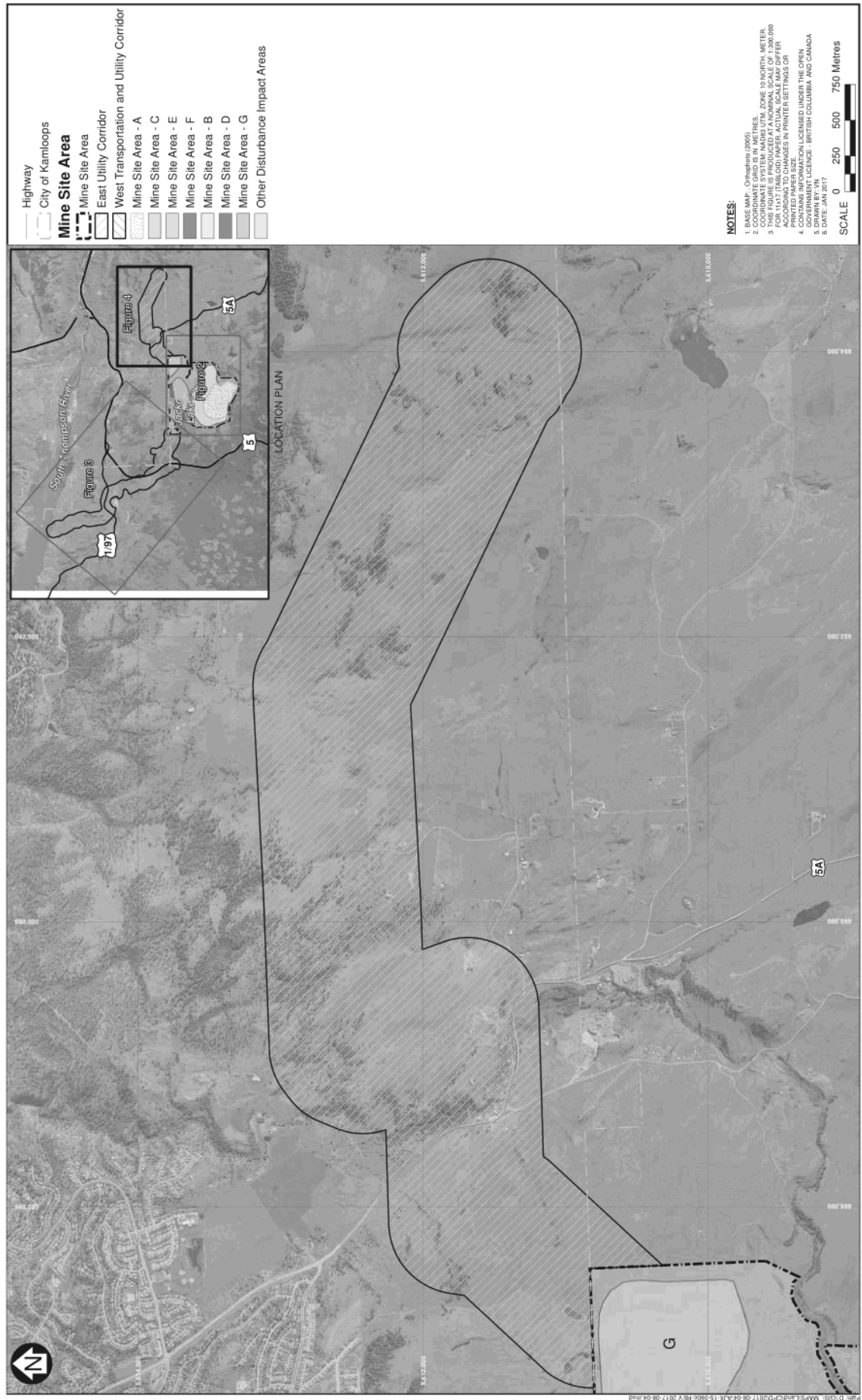


Figure 5
Ajax Project East Corridor



AJAX MINE PROJECT

SCHEDULE B

TABLE OF CONDITIONS

FOR

AN ENVIRONMENTAL ASSESSMENT CERTIFICATE

DEFINITIONS

Application	Application from KGHM Ajax Mining Inc., dated December 2015, to the Environmental Assessment Office applying for an environmental assessment certificate, pursuant to section 16 of the <i>Environmental Assessment Act</i> , accepted for review on January 18, 2016.
Care and Maintenance	The period when Construction or Operations cease for more than 90 days. For the purposes of the conditions in this Certificate, Care and Maintenance is not a Project phase.
Certificate	This Environmental Assessment Certificate.
Closure	The phase of the Project where all development and production ceases, mining facilities and infrastructure are decommissioned and/or removed from the mine site, and final reclamation activities of land and watercourses are conducted.
Construction	The phase of the Project during which physical alteration of land, vegetation or any other aspect of the natural environment occurs. For the purposes of this Schedule B, Construction does not include any activities conducted solely for investigative purposes under a valid permit or authorization.
Document	A plan, program or other document required by this Certificate.
Holder	KGHM Ajax Mining Inc. or, if this Certificate has been transferred in accordance with the conditions below, the person to whom this Certificate has been transferred in accordance with such conditions.
Indigenous Groups	Stk'emlupsemc te Secwépemc Nation, Lower Nicola Indian Band, and Ashcroft Indian Band
Mine Site Area	The area shown on Figures 1 and 2 of Schedule A (Certified Project Description) of this Certificate.
Operations	The phase of the Project beginning with the commercial operation date of the Project, which is the date on which mill production is achieved.
Post-closure	The phase of the Project following the completion of Closure during which maintenance and monitoring of the mine site occurs.

	Reclamation programs are monitored for effectiveness. Long-term management, maintenance, and monitoring programs for the mine site are implemented.
Project	Ajax Mine Project.
Qualified Professional	A person who has training, experience and expertise in a discipline relevant to the field of practice set out in the condition, and who is registered with the appropriate professional organization in British Columbia, is acting under that organization's code of ethics and is subject to disciplinary action by that organization.

Acronyms

BC	British Columbia
DFO	Fisheries and Oceans Canada
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EMPR	Ministry of Energy, Mines and Petroleum Resources
ENV	Ministry of Environment & Climate Change Strategy
FLNR	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
IEM	Independent Environmental Monitor
IHA	Interior Health Authority
QP	Qualified Professional
SSN	Stk'emlupsemc te Secwépemc Nation
TRAN	Ministry of Transportation and Infrastructure
TNRD	Thompson Nicola Regional District

No.	Proposed Condition
1.	<p>Document Review and Implementation</p> <p>Where a condition of this Certificate requires the Holder to provide a plan, program or other document, the Holder must provide the plan, program or other document to the Environmental Assessment Office (EAO) in the timeframe referenced in such condition, unless otherwise approved by the EAO. The EAO may, within 60 days of receiving a copy of such plan, program or other document, advise that:</p> <ul style="list-style-type: none"> a) The Holder may proceed to implement the plan, program or other document with or without revisions; or b) A revised plan, program, or other document must be provided for approval of the EAO prior to a specified activity or milestone. <p>If the EAO advises pursuant to paragraphs (a) or (b) that changes are required to a plan, program, or other document, then the Holder must follow the instructions of the EAO in that regard.</p> <p>If the EAO does not advise on a) or b) within 60 days of the EAO receiving a plan, program, or other document, the Holder may proceed to implement the plan, program or other document.</p> <p>The Holder may, or the EAO may require the Holder to, revise any plan, program or other document if the Holder or the EAO determines that the implementation of the plan, program or other document is not:</p> <ul style="list-style-type: none"> c) Meeting one or more objectives of the plan, program or other document set out in the relevant condition of this Certificate; d) Having the effects contemplated or intended, as set out in the plan, program or other document itself; e) Consistent with the Certificate; or f) Consistent with changes in industry best practices or technology.
2.	<p>Plan Development</p> <ul style="list-style-type: none"> a) Where a condition of this Certificate requires the Holder to develop a plan, program or other document, any such plan, program or other document must, at a minimum, include the following information: <ul style="list-style-type: none"> i) purpose and objectives of the plan, program or other document; ii) roles and responsibilities of the Holder, project personnel and contractors; iii) names and, if applicable, professional certifications and professional stamps/seals, of those responsible for the preparation of the plan, program, or other document;

No.	Proposed Condition
	<ul style="list-style-type: none"> iv) schedule for implementing the plan, program or other document throughout the relevant Project phases; v) means by which the effectiveness of the mitigation measures will be evaluated including the schedule for evaluating effectiveness; vi) adaptive management plan to address effects of the Project if the monitoring conducted under section B of this condition shows that those effects: <ul style="list-style-type: none"> i. are not mitigated to the extent contemplated in the Application and any supplementary information filed by the Holder for the purposes of completing the assessment; or ii. are not predicted in the Application and any supplementary information filed by the Holder for the purposes of completing the assessment; vii) schedules and methods for the submission of reporting to specific agencies, Indigenous Group(s) and the public and the required form and content of those reports; and viii) process and timing for updating and revising the plan, program or other document, including any consultation with agencies and Indigenous Groups that would occur in connection with such updates and revisions. <p>b) Where a plan, program or other document includes monitoring requirements, the plan, program or other document must include:</p> <ul style="list-style-type: none"> i) a description of baseline information that will be used to support monitoring of the effectiveness of mitigation; ii) the methodology, location, frequency, timing and duration of monitoring; and iii) the scope, content and frequency of reporting of the monitoring results.
3.	<p>Consultation</p> <p>Where a condition of this Certificate requires the Holder to consult a particular party or parties regarding the content of a plan, program or other document, the Holder must, to the satisfaction of the EAO:</p> <ul style="list-style-type: none"> a) Provide written notice to each such party that: <ul style="list-style-type: none"> i) includes a copy of the plan, program or other document; ii) invites the party to provide its views on the content of such plan, program or other document; and iii) indicates: <ul style="list-style-type: none"> i. if a timeframe for providing such views to the Holder is specified in the relevant condition of this Certificate, that the

No.	Proposed Condition
	<p>party may provide such views to the Holder within such timeframe; or</p> <p>ii. if a timeframe for providing such views to the Holder is not specified in the relevant condition of this Certificate, specifies a reasonable period during which the party may submit such views to the Holder;</p> <p>b) Undertake a full and impartial consideration of any views and other information provided by a party in accordance with the timelines specified in a notice given pursuant to paragraph (a);</p> <p>c) Provide a written explanation to each such party that provided comments in accordance with a notice given pursuant to paragraph (a) as to:</p> <p>i) how the views and information provided by such party to the Holder have been considered and addressed in a revised version of the plan, program or other document; or</p> <p>ii) why such views and information have not been addressed in a revised version of the plan, program or other document;</p> <p>d) Maintain a record of consultation with each such party regarding the plan, program or other document; and</p> <p>e) Provide a copy of such consultation record to the EAO, the relevant party, or both, promptly upon the written request of the EAO or such party.</p>
4.	<p>Compliance Verification and Reporting</p> <p>The Holder must provide any document, data or information requested by the EAO for the purposes of compliance inspection and verification.</p> <p>The Holder must submit a report to the EAO on the status of compliance with this Certificate at the following times:</p> <p>a) At least 30 days prior to the start of Construction;</p> <p>b) On or before January 31 in each year after the start of Construction;</p> <p>c) At least 30 days prior to the start of Operations;</p> <p>d) On or before January 31 in each year after the start of Operations;</p> <p>e) At least 30 days prior to the start of Closure; and</p> <p>f) On or before January 31 in each year after the start of Closure until the end of Closure.</p> <p>The reports must be in a form satisfactory to the EAO. The EAO may adjust or extend this reporting requirement by providing written notice to the Holder.</p>
5.	<p>Project Status Notification</p> <p>The Holder must notify the EAO and Indigenous Groups, in writing, three months</p>

No.	Proposed Condition
	<p>prior to commencing Construction, Operations, Closure, and Post Closure.</p> <p>Should the primary contact for the Project change, the Holder must notify the EAO, in writing, within 30 days of such change and provide the physical address, email address and phone number(s) of the new primary contact.</p>
6.	<p>Compliance Notification</p> <p>The Holder must notify the EAO:</p> <ul style="list-style-type: none"> a) As soon as practical; and b) In any event, no more than 72 hours; <p>after the Holder determines that the Holder has not, or may not have, fully complied with this Certificate.</p>
7.	<p>Transfer of Certificate</p> <ul style="list-style-type: none"> a) Except as provided below, neither this Certificate nor any interest in it may be transferred to any person. This Certificate will be effectively transferred if the proposed Holder acknowledges that, upon transfer, it will be responsible for complying with the conditions of the Certificate, and both the proposed Holder and the Holder <ul style="list-style-type: none"> i) obtain consent for the transfer from the Executive Director, ii) apply under section 19 of the <i>Environmental Assessment Act</i> (Act) for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer, and iii) confirm by written notice to the Executive Director, within 14 days of the completion of all aspects of the transfer transaction other than this notice, that the transfer has been completed. b) An interest in this Certificate may be transferred by way of a grant of security to lenders or financiers without consent. c) A transfer of this Certificate to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale, or as part of a court approved arrangement under the <i>Company Creditors Arrangement Act</i> may occur without consent. d) If this Certificate is transferred without consent, the new and former Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.

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8.	<p>Transfer of Interest in Project</p> <ul style="list-style-type: none"> a) Except in connection with the granting of security to Project lenders or financiers, prior to the Holder transferring a significant interest in the Project, the Holder and proposed transferee must: <ul style="list-style-type: none"> i) obtain consent for the transfer from the Executive Director, and ii) apply under section 19 of the Act for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer. b) A transfer to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale or as part of a court approved arrangement under the <i>Company Creditors Arrangement Act</i> may occur without consent. c) If a significant interest in the Project is transferred without consent, the Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.
9.	<p>Independent Environmental Monitor</p> <p>The Holder must retain the services of an Independent Environmental Monitor (IEM). The IEM must be a Qualified Professional (QP), unless otherwise approved by the EAO, with a minimum of five years' experience in monitoring both construction and mining operations in BC. The IEM will:</p> <ul style="list-style-type: none"> a) Observe and record for, and report to the EAO on, compliance with the Certificate; and b) Provide information to the EAO, the Ministry of Energy, Mines and Petroleum Resources (EMPR), the Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNR), Ministry of Environment & Climate Change Strategy (ENV), the City of Kamloops, Indigenous Groups, and the Holder; <p>as directed by the EAO. Subject to any exceptions set out in the terms of engagement for the IEM, when providing information or reports to the EAO, the IEM must not provide such information or reports to the Holder in advance of providing such information or reports to the EAO.</p> <p>The Holder must retain the IEM throughout Construction and Operations. The Holder must develop the terms of engagement for the IEM in consultation with EMPR, FLNR, ENV, the City of Kamloops and Indigenous Groups.</p> <p>Not less than 60 days prior to the planned commencement of Construction, the Holder must:</p> <ul style="list-style-type: none"> c) Submit to the EAO for approval the name, organization and qualifications of

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	<p>the proposed IEM and the IEM terms of engagement; and</p> <p>d) Provide notice to Indigenous Groups of the name, organization and qualifications of the proposed IEM.</p> <p>The Holder must not start Construction until the selection of the IEM and the terms of engagement have been approved by the EAO.</p> <p>The terms of engagement must include, at a minimum, the following:</p> <ul style="list-style-type: none"> e) The role, responsibilities and qualifications of the IEM; f) The roles, responsibilities and qualifications of any staff or other persons that will assist the IEM with performing the IEM's roles and responsibilities (each an "IEM Support"); g) The nature and frequency of monitoring; h) The process whereby the IEM or an IEM Support will make recommendations to the Holder to take mitigative or corrective actions to address any non-compliance or potential non-compliance with this Certificate; i) The process by which the recommendations in section e) above will be communicated to the EAO and the Holder; j) The situations in which the IEM will have the authority to stop work on part of all of the project if the IEM determines that: <ul style="list-style-type: none"> i) the Holder has not, or may have not, complied fully with the requirements of this Certificate; and ii) stopping work is necessary to prevent or address a non-compliance with this Certificate; k) The details of project phase completion reports for Construction and Operations to be submitted to the EAO upon completion of Construction and Operations. The reports must be written by the IEM and include: <ul style="list-style-type: none"> i) a record of all non-compliances with this Certificate; ii) a record of the recommendations made by the IEM to the Holder to prevent or address any non-compliance with this Certificate; iii) a record of whether any such recommendations from the IEM were implemented and the corresponding outcome of implementation; iv) a record of all stop work orders issued to prevent or address a non-compliance with this Certificate; v) assessment of the effectiveness of the mitigation measures for Construction and Operations; and vi) recommendations on how to achieve and maintain compliance with the conditions of this Certificate for the next project phase. l) A requirement that a detailed Construction work plan and Operations work plan be submitted to the EAO for approval prior to the start of the relevant project phase. The work plans must describe the frequency of monitoring and rationale, the manner in which non-compliances identified by the IEM will be communicated to the EAO and the Holder, and the format and frequency of IEM reports.

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10.	<p>Air Quality Reviewer</p> <p>The Holder must retain, throughout Construction, Operations and Closure, a QP, having at least five years experience in the collection and interpretation of air quality and meteorological data, to review and examine the quality of the data collected from the Holder's air quality monitoring network and the data generated as part of the plan referred to in condition 20 (the "Air Quality Reviewer").</p> <p>The Holder must develop the terms of engagement for the Air Quality Reviewer in consultation with ENV, the Interior Health Authority (IHA), the City of Kamloops and Indigenous Groups.</p> <p>Not less than 60 days prior to the planned commencement of Construction, the Holder must:</p> <ul style="list-style-type: none"> a) Submit to the EAO for approval the name, organization and qualifications of the proposed Air Quality Reviewer and the Air Quality Reviewer terms of engagement; and b) Provide notice to ENV, IHA, the City of Kamloops and Indigenous Groups of the name, organization and qualifications of the proposed Air Quality Reviewer. <p>The Holder must not start Construction until the selection of the Air Quality Reviewer and the terms of engagement have been approved by the EAO.</p> <p>The terms of engagement must include the roles and responsibilities of the Air Quality Reviewer, which must include:</p> <ul style="list-style-type: none"> c) The review and analysis of the quality of the data produced by the Holder's air quality monitoring network and the data generated as part of the plan referred to in condition 20, including trends, episodes, and metrics for comparison to applicable air quality regulatory criteria, d) The documentation of any exceedance of applicable air quality thresholds or any suspected error in the collection or reporting of data from the air quality monitoring network; e) The communication of any exceedance of air quality thresholds, specified in statute, regulation, permit or conditions of this Certificate, to the IEM; f) The preparation of a report, at least annually, on the results of the review of data required by paragraph (a); g) Verification of the actions taken by the Holder to rectify any exceedance referred to in paragraphs (b) and (c); and h) Providing the information referenced in paragraphs (a), (b) and (c) to the EAO, ENV, IHA, the City of Kamloops, Indigenous Groups and the community liaison group, or as directed by the EAO.
11.	<p>Construction Environmental Management Plan</p> <p>The Certificate Holder must retain one or more QPs to develop a construction environmental management plan. The plan must be developed in consultation with</p>

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	<p>ENV, FLNR, EMPR, City of Kamloops, IHA and Indigenous Groups.</p> <p>The construction environmental management plan must include, at a minimum, the means by which the following will be addressed:</p> <ul style="list-style-type: none"> a) Human-wildlife conflict; b) Invasive plants management; c) Erosion and sediment control; d) Landscape design and site restoration; e) Waste management; f) Spill prevention and response for hydrocarbon storage and leaks or other accidental emissions from machinery or equipment; g) Archaeology and heritage sites management; h) Noise management; i) Traffic and access; and j) Emergency response. <p>The Holder must provide the Construction Environmental Management Plan to the EAO, ENV, FLNR, EMPR, City of Kamloops, IHA and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP throughout construction and to the satisfaction of the EAO.</p>
12.	<p>SSN Involvement in Environmental Monitoring Activities</p> <p>The Holder must, in consultation with Stk'emlupsemc te Secwépemc Nation (SSN), prepare a plan to support participation of SSN in pre-construction surveys required in this Certificate, Construction, Operations, and Closure environmental monitoring required by this Certificate.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of engagement with SSN to determine opportunities for members to participate in environmental monitoring activities; b) A description of the environmental monitoring activities to be undertaken by the Holder in which SSN will be invited to participate; c) A description of the roles and responsibilities of the SSN's environmental monitor(s); and d) A description of the training that will be provided to the SSN monitor(s). <p>The Holder must submit the plan to the EAO and SSN a minimum of 60 days prior to the planned commencement of pre-Construction surveys required by this Certificate.</p> <p>The Holder must provide to the EAO reports on SSN involvement in environmental monitoring activities, which must:</p> <ul style="list-style-type: none"> e) Describe the participation of SSN in environmental monitoring activities; f) Describe the training that was offered to SSN monitors and the training that

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	<p>was completed by SSN monitors; and</p> <p>g) Describe how the information provided by SSN monitors was considered and applied to the project by the Holder or, if the information was not applied to the project provide a reason why the Holder chose not to apply the information provided by the SSN monitors.</p> <p>The reports must be provided</p> <p>h) Within 18 months of commencing pre-construction surveys required by condition 25;</p> <p>i) Within 18 months of commencing Construction;</p> <p>j) Within 18 months of the commencement of Operations;</p> <p>k) Every five years thereafter until the end of Closure; and</p> <p>l) Upon the request of the EAO.</p> <p>EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>For no less than 30 days prior to providing the report to the EAO, the Holder must share a draft of a report with SSN for their review and comment.</p>
13.	<p>Indigenous Engagement and Reporting</p> <p>The Holder must continue to engage with Indigenous Groups in a manner satisfactory to the EAO from the date of issuance of this Certificate and throughout all Project phases.</p> <p>The Holder must develop an Indigenous engagement plan in consultation with Indigenous Groups. The plan must set out the means by which the Holder will:</p> <p>a) Ensure that information concerning the Construction, Operations and Closure of the Project is communicated to Indigenous Groups in a timely, comprehensive, accessible and culturally-appropriate manner; and</p> <p>b) Respond to and address issues and concerns raised by the Indigenous Groups concerning the Construction, Operations and Closure of the Project, and the means by which the issues and concerns will be resolved in a timely manner.</p> <p>The Holder must provide the engagement plan to Indigenous Groups and to the EAO for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p> <p>The Holder must provide to the EAO reports regarding Indigenous engagement that must include:</p> <p>c) A list of the opportunities offered in accordance with the Indigenous engagement plan, and the response and participation of each Indigenous Group;</p>

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	<p>d) A summary of the issues and concerns raised by each Indigenous Group, the measures taken to address or resolve the issues and concerns raised, or an explanation of why no action was taken; and</p> <p>e) An outline of on-going or future engagement opportunities with each Indigenous Group, including those required by the conditions set out in this Certificate.</p> <p>The reports must be provided:</p> <p>f) Within one year of commencing Construction;</p> <p>g) At the commencement of Operations;</p> <p>h) Every five years thereafter until the end of Closure; and</p> <p>i) Upon the request of the EAO.</p> <p>The EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>For no less than 30 days prior to providing the report to the EAO, the Holder must share a draft of a report with Indigenous Groups for their review and comment.</p>
14.	<p>Indigenous Training, Employment and Procurement</p> <p>The Holder must provide to the EAO reports respecting Indigenous training, employment and procurement for the Project.</p> <p>The reports must include:</p> <p>a) A description of the consultation undertaken with Indigenous Groups on training, employment and business opportunities for the Project;</p> <p>b) Relevant training (including on-the-job training) provided or otherwise supported by the Holder;</p> <p>c) The methods for communicating training, employment and procurement opportunities to Indigenous workers and Indigenous businesses and communities;</p> <p>d) Measures applied to ensure that Indigenous employees' cultural and traditional practices are recognized and accommodated through work schedules for Indigenous workers who engage in traditional practices, and the outcomes achieved;</p> <p>e) Measures that the Holder used to enhance the hiring and retention of Indigenous workers by the Holder and its sub-contractors, and the outcomes achieved; and</p> <p>f) Measures that the Holder used to support procurement of goods and services from Indigenous businesses, and the outcomes achieved.</p> <p>The reports must be provided:</p> <p>g) Within one year of commencing Construction;</p> <p>h) At the commencement of Operations;</p> <p>i) Every five years during Operations; and</p>

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	<p>j) Upon the request of the EAO.</p> <p>The EAO may amend these timelines and may request additional reports at any time by providing written notice to the Holder.</p> <p>The Holder must share a draft of the report with Indigenous Groups for their review and comment for no less than 30 days prior to providing the report to the EAO.</p>
15.	<p>SSN Access Management Plan</p> <p>The Holder must, in consultation with SSN, develop an access management plan for Construction, Operations, Closure and Post-Closure that provides safe access to the Ajax Project Area for the exercise of traditional harvesting practices and ceremonial practices.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) Opportunities for SSN to engage in harvesting resources of cultural and ceremonial value prior to site disturbance and during Construction and Operations, subject to mine safety and operational protocols; b) Measures to minimize changes in SSN access to or use of preferred ceremonial or other cultural uses sites within the Ajax Project Area; and c) A description of the means by which the Holder will provide information to SSN members regarding access. <p>The Holder must provide the plan to the EAO, EMPR, and SSN for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
16.	<p>Public Information and Communications</p> <p>The Holder must continue to engage the public from the date of issuance of this Certificate up to the end of Closure, to the satisfaction of the EAO.</p> <p>Within 120 days of the issuance of this Certificate, the Holder must establish a dedicated Project website and periodically update it as new information becomes available, throughout all phases of the Project. The website must, subject to availability:</p> <ul style="list-style-type: none"> a) Provide general information regarding the Project and Project status; b) Provide information regarding progress in permitting processes that follow the issuance of this Certificate; c) Provide information about Project activities during all phases of the Project, including the Holder's blasting schedule; d) Include information that would promote safety within and surrounding the Project area, including information for safe public access and recreation at

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	<p>Jacko Lake;</p> <ul style="list-style-type: none"> e) Provide annual reporting on the status of monitoring programs and the results of monitoring programs and activities required by the conditions of the Certificate; f) Provide the terms of reference and meeting summaries of the community liaison group required by condition 17; and g) Describe the process for receiving and addressing complaints and inquiries from the public. <p>The Holder must maintain a record of public engagement for the Project, and provide it to the EAO when requested. The public engagement record must include:</p> <ul style="list-style-type: none"> h) The name of the individual or organization that the Holder engaged with; i) The methods(s), date(s), and location(s) of engagement activities; j) A summary of issues or concerns raised by the public; and k) The measures taken by the Holder, or that will be taken, to address or respond to issues or concerns raised, or the Holder's rationale for taking no further action.
17.	<p>Community Liaison Group</p> <p>The Holder must establish and maintain a community liaison group for the Construction, Operations and Closure phases of the Project. The purpose of the community liaison group is to provide a mechanism for communication and engagement between the Holder, local governments and local stakeholder groups, as identified in the terms of reference.</p> <p>The Holder must develop a terms of reference for the community liaison group that must include:</p> <ul style="list-style-type: none"> a) The purpose and objectives of the group; b) The scope of topics and issues to be addressed by the group; c) The proposed frequency, timing and location of meetings; d) Group membership; e) The roles and responsibilities of the group members; f) The initiatives the Holder will undertake, including technical, logistical and financial support, including access to independent technical expertise, to give effect to the group's purpose and objectives; g) The means by which the group will be consulted on the plans, documents and programs required by the conditions of this Certificate; h) The process by which the group will identify issues related to Construction, Operations and Closure and the means by which mitigation measures proposed by the group to address identified issues will be considered; and i) The means by which the group will communicate its progress, the issues identified, and any associated actions taken, to the public. <p>The Holder may review the need for the community liaison group every year, in consultation with the EAO and the City of Kamloops. Following that consultation, the</p>

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	<p>EAO may determine that the Holder need no longer maintain the community liaison group.</p> <p>The Holder must provide the terms of reference to the EAO and the City of Kamloops a minimum of 120 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The terms of reference, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
18.	<p>Noise Management and Monitoring Plan</p> <p>Piling activities must be conducted between 07:00 and 22:00.</p> <p>The Holder must retain a QP to develop a noise management and monitoring plan. The plan must be developed in consultation with EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The noise performance objectives outlined in section 11.22.2 of the Application; b) The means by which the Holder will achieve the performance objectives referred to in paragraph a) and remain below the noise threshold levels identified in the Holder's memo Stantec Response to COK-SLR003.1 and COK-SLR010.1 dated October 17, 2016, and in the World Health Organization's <i>Night Noise Guidelines for Europe</i> (2009) as applied in the Holder's memo 1219_KAM_EAO Request Maximum Noise Assessment Results dated December 22, 2016; c) The mitigation measures that will be implemented to prevent and reduce noise emissions during Construction and Operations, including the use of best available control technology for noise emission sources and best management practices. The mitigation measures must include the commitments outlined in the Holder's memo (<i>Stantec Response to COK-SLR003.1 and COK-SLR010.1</i>), dated October 17, 2016, and Holder's memo <i>1219 KAM EAO Request Maximum Noise Assessment Results</i>, dated December 22, 2016; d) The noise monitoring requirements outlined in section 11.22.4 of the Application; e) The locations of monitoring stations and the equipment that will be used to conduct monitoring; and f) The approach for ensuring timely public access to noise monitoring data and reports. <p>The Holder must provide the plan to the EAO, EMPR, the City of Kamloops, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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19.	<p>Vibration Management and Monitoring Plan</p> <p>Project blasting must not exceed a ground vibration threshold of 5 mm/s, and an air blast level of 115 dBL, at 500 m from the Mine Site Area.</p> <p>The Holder must retain a QP to develop a vibration management and monitoring plan. The plan must be developed in consultation with EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The vibration and air blast overpressure performance objectives outlined in section 11.22.2 of the Application; b) The means by which the Holder will achieve the vibration and air blast overpressure performance objectives referred to in paragraph a) of this condition; c) The vibration and air blast overpressure monitoring requirements outlined in section 11.22.4 of the Application; d) The monitoring station locations and the equipment that will be used to conduct the monitoring; e) The triggers for investigating ground vibration and air blast overpressure that approach exceedance levels; and f) The approach for ensuring timely public access to vibration monitoring data and reports. <p>The Holder must provide the plan to the EAO, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
20.	<p>Air Quality Management and Monitoring Plan</p> <p>The Holder must retain a QP to develop an air quality management and monitoring plan. The plan must be developed in consultation with ENV, EMPR, IHA, the City of Kamloops, the community liaison group, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The mitigation measures that will be implemented to prevent and reduce air emissions and fugitive dust emissions during Construction, Operations, and Closure, including the use of best available control technology for emission sources and best management practices. The measures must include the commitments set out in the Holder's memo, <i>KGHM Ajax Mining Inc. Fugitive Dust Management Plan</i>, dated December 2016; b) The contaminants and corresponding levels of those contaminants that would cause the Holder to take action, up to and including the curtailment of operations, to reduce contaminant levels and what level the contaminants

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	<p>must be reduced to before operations can commence or resume;</p> <ul style="list-style-type: none"> c) The locations of monitoring stations and the equipment that will be used to conduct monitoring; d) A description of the circumstances in which the Holder will notify the EAO, ENV, EMPR, IHA, the City of Kamloops, the community liaison group, Indigenous groups, the Air Quality Reviewer, the IEM, and the public of an exceedance of the contaminant levels identified as required in paragraph b); e) The approach for ensuring timely public access to monitoring data and reports; and f) A requirement for the Holder to respond to any relevant information from the Air Quality Reviewer reports. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of providing the plan to the EAO, the Holder must also provide a copy to EMPR, ENV, IHA, Indigenous Groups, the City of Kamloops, and the community liaison group. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
21.	<p>Surface Water Quality Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a surface water quality monitoring plan. The plan must be developed in consultation with ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of how proposed mitigation measures reflect the mitigation hierarchy referenced in section 6 of BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time); b) An assessment of the effects on water quality from the use of any dust suppressants or surfactants that are planned for use at the Mine Site Area; c) The locations and methods for monitoring surface water quality during all Project phases and verifying the water quality predictions included in the Holder's memo <i>1207_KAM_KP WQ Predictions Update for Changes to Conceptual Fish Offsetting Plan</i>, dated December 7, 2016; and d) The Holder's approach to updating the water quality model used in the Application. <p>The Holder must provide the plan to the EAO, ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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22.	<p>Groundwater Investigation Plan</p> <p>The Holder must retain one or more QPs to design a groundwater investigation plan. The plan must be developed in consultation with ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) Pumping tests around the Edith Lake fault zone and Jacko Lake, including installation of additional wells and monitoring instrumentation, to inform mitigation and monitoring; b) Drilling investigations in the vicinity of the Edith Lake fault zone to inform mitigation and monitoring; c) Evaluation of groundwater quality in the Peterson Creek aquifer at a location nearer to the mine site property boundary than the RES-2 residential well (referred to in the Application, Figure 6.5-2) and upgradient of existing residential wells, to further characterize the baseline groundwater quality conditions within 1.5 km radius of the Mine Site Area; d) A schedule for reporting the results of the investigations in paragraphs (a) through (c) to the EAO, ENV, EMPR, FLNR, the City of Kamloops, and Indigenous Groups; and e) The means by which the results of the groundwater investigations will be considered in the Project design, the development of the plan described under condition 23, the development of additional mitigation measures, and in the implementation of all applicable conditions of this Certificate. <p>At the time of providing the plan to the EAO, the Holder must also provide a copy to FLNR, EMPR, ENV, the City of Kamloops, and Indigenous Groups. The plan, and any amendments thereto, must be implemented to the satisfaction of the QP(s) and to the satisfaction of the EAO.</p>
23.	<p>Groundwater Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a groundwater management and monitoring plan. The plan must be developed in consultation with FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Incorporate the results of the groundwater investigation plan required by condition 22 and associated monitoring data, including data collected from any new or revised monitoring locations; b) Include the groundwater management and monitoring commitments set out in the Holder's memo <i>Ajax Project EA/EIS – Response to Memorandum entitled 'Ajax Mine Project – Review of Supplemental Correspondence BGC-022'</i>, dated April 13, 2017; c) Set out how the Holder will, prior to Construction, consult with owners of groundwater wells that utilize the Peterson Creek aquifer for drinking,

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	<p>livestock or irrigation purposes with respect to the amount of water they are entitled to withdraw, the amount of water they actually withdraw, the purpose of their groundwater use, and the quality of their groundwater;</p> <ul style="list-style-type: none"> d) Identify locations for monitoring quality and quantity of groundwater used for drinking, livestock or irrigation purposes, including an appropriate subset of the groundwater wells utilizing the Peterson Creek Aquifer that exist at the date of issuance of this Certificate; e) Describe the means by which groundwater quality and quantity (including groundwater elevations and flow) will be monitored, at the locations identified for the purposes of paragraph (d), during all Project phases; f) Describe mitigation measures the Holder will take if there are Project impacts to the groundwater wells identified pursuant to paragraph (d), including the impacts to quality and quantity referred to in paragraph (c)), up to and including providing replacement groundwater or compensation to owners of impacted wells; and g) Describe the approach and schedule for updating and re-calibrating the groundwater quality and flow models used in Section 6.5 and Section 6.6 of the Application respectively. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 60 days prior to the planned commencement of Construction, unless authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
24.	<p>Surface Water Management and Hydrometric Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a surface water management and hydrometric monitoring plan. The plan must be developed in consultation with FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The means by which the surface water management and monitoring measures set out in the Holder's memos entitled <i>Ajax Project EA/EIS – Responses to Surface Water Round 2 Information Requests (BGC-020)</i> and <i>Ajax Project EA/EIS – Responses to Surface Water Round 2 Information Requests Follow-Up (BGC-028)</i> dated December 14, 2016 and February 17, 2017, respectively, will be implemented; b) A description of the existing water licence holders on upper and lower Peterson Creek and Jacko Lake, including authorized volumes and points of diversion; c) A description of the Holder's long-term management strategy for addressing the impacts of the Project on environmental flow needs, as defined in the <i>Water Sustainability Act</i>, in Peterson Creek and Jacko Lake. The strategy must reflect the mitigation hierarchy referenced in section 6 of BC's Policy for Mitigating Impacts on Environmental Values (May 13, 2014, as amended

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	<p>from time to time);</p> <ul style="list-style-type: none"> d) A description of the Holder's long-term management strategy for meeting the water supply requirements of water licence holders upstream and downstream of the Project, in the event that the supply is affected by the Project. The long-term management strategy must: <ul style="list-style-type: none"> i. include measures that do not involve pumping from Kamloops Lake in Post-closure, and the viability of those options; and ii. set out the the specific means by which the Holder will ensure that the Project does not cause surface water licence holders on Peterson Creek and Jacko Lake to be unable to satisfy their existing authorized volumes throughout the life of the Project, and how this approach would affect the Peterson Creek watershed. e) A description of the means by which, throughout the life of the Project, streamflow in Peterson Creek and Jacko Lake will be monitored and streamflow predictions in the Holder's memo <i>021717_KAM_BGC_Surface Water Working Group Round 2 Responses Follow up</i>, dated February 17, 2017, will be verified; and f) A description of the means by which and frequency at which the water balance model used in the Application, streamflow predictions referenced in (e), and this plan will be updated in consideration of new or updated information, gained through the implementation of the plan required by this condition or the plan required by condition 23. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, the City of Kamloops, and Indigenous Groups a minimum of 90 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
25.	<p>Pre-Construction Vegetation and Wildlife Surveys</p> <p>The Holder must retain one or more QPs to prepare a pre-Construction vegetation and wildlife survey plan. The plan must be developed in consultation with FLNR, EMPR, Environment and Climate Change Canada (ECCC), and Indigenous Groups.</p> <p>Surveys conducted under the plan must:</p> <ul style="list-style-type: none"> a) Follow applicable Resource Inventory Standards Committee standards or other peer reviewed species-specific standard methods. b) Determine the presence, and distribution of target species (as defined in the Holder's memo <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> dated August 4, 2017) in the local study area as defined in the Application; c) Identify the location of movement corridors for reptiles, amphibians and badgers, and infestations of invasive species in the local study area as defined in the Application; and d) Identify and confirm the presence and relative distribution of:

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	<ul style="list-style-type: none"> i) important wildlife features, including but not limited to; leks, nests, burrows/dens, hibernacula, and breeding sites; and ii) residences and posted, proposed and draft critical habitat, including their biophysical attributes. <p>The plan must include:</p> <ul style="list-style-type: none"> e) A summary of existing baseline information; f) A description of the surveys to be completed including: <ul style="list-style-type: none"> i. those set out in Appendix A of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>; ii. surveys for federal species at risk listed under the <i>Species at Risk Act</i>, including species of Special Concern; and iii. surveys for species (plant and animal) and ecosystems that are listed as red- or blue-listed by the BC Conservation Data Centre; g) The methods to be employed for each survey including the applicable Resource Inventory Standards Committee standards or other peer reviewed species-specific standard methods; and h) The means by which the results of the surveys will be considered in the final Project design, the development of the plans described under conditions 26, 27, 28 and 29, the development of additional mitigation measures, and in the implementation of all applicable conditions of this Certificate. <p>The Holder must deliver the plan to the EAO for approval a minimum of 45 days before commencing the pre-Construction surveys. At the time of delivery of the plan to the EAO, the Holder must also provide a copy of the plan to Indigenous Groups, FLNR, EMPR, and ECCC.</p> <p>The Holder must not commence the surveys referred to in this condition until the plan has been approved by the EAO, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
26.	<p>Wildlife Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a wildlife management and monitoring plan in consultation with EMPR, ENV, FLNR, ECCC and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A separate section for each species that is listed under Schedule 1 of the <i>Species at Risk Act</i>, which identifies their proposed or final critical habitat, where applicable. b) For all other species not identified through (a) of this condition, a separate section for migratory birds, and wildlife species; c) A summary of the results of the surveys conducted under condition 25, applied to each section referenced in paragraphs (a) and (b);

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	<ul style="list-style-type: none"> d) A quantitative and qualitative description of the habitat potentially directly and indirectly affected by the Project; e) A description of the mitigation and monitoring measures to avoid and mitigate effects of the Project on wildlife species and habitats, including the measures set out in the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> and any new measures resulting from surveys conducted under condition 25; f) A description of how mitigation measures reflect the mitigation hierarchy referenced in section 6 set out in BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and any relevant provincial recovery strategies, implementation plans and species at risk management objectives, and any relevant federal species guidelines; g) Identification of sensitive habitat features and periods of time that will be avoided during Construction and Operations, linked to each wildlife species or group of species referred to in paragraphs (a) and (b); h) Where sensitive habitat features or sensitive time periods cannot be avoided, a description of how the Project will be constructed and operated to pose the least possible risk to wildlife and wildlife habitat; i) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become functional, taking into account the expected effectiveness of mitigation measures; j) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan; k) The means by which the Holder will, during Construction, Operations and Closure, record wildlife observations and mortalities in the Mine Site Area; and l) The means by which the objectives set out in the <i>Wildlife Habitat Objectives for Reclamation Plan</i>, Appendix 11.26-A of the Application, will be met. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, and Indigenous Groups.</p> <p>The Holder must not commence Construction until the plan has been approved by the EAO, unless otherwise authorized by the EAO.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
27.	<p>Vegetation Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a vegetation management and monitoring plan. The plan must be developed in consultation with EMPR, ENV,</p>

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	<p>FLNR, ECCC, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A list of the rare plants and rare and sensitive ecosystems to be protected by the plan that includes: <ul style="list-style-type: none"> i) those identified within Appendix B, sections 2 and 3, of the Holder's <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>, dated August 2017; ii) the plants and ecological communities identified in the Application that are listed as threatened or endangered by the Committee on the Status of Endangered Wildlife in Canada or under the <i>Species at Risk Act</i>, or that are red-listed or blue-listed by the BC Conservation Data Centre; and iii) any proposed or final critical habitat under the <i>Species at Risk Act</i> that has been identified within the local study area as defined in the Application; b) A summary of the results of the surveys conducted under condition 25, applied to each rare plant and rare and sensitive ecosystem referenced in paragraph (a); c) A description of the location and extent of habitat or the number of occurrences for each plant species potentially directly and indirectly affected by the Project; d) A description of the mitigation and monitoring measures to avoid and mitigate effects of the Project on vegetation, including the measures set out in Appendix B of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i> and any new measures resulting from surveys conducted under condition 25; e) A description of measures to minimize the spread of invasive species; f) A description of how mitigation measures reflect the mitigation hierarchy referenced in section 6 of BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and any relevant provincial recovery strategies, implementation plans and species at risk management objectives, and any relevant federal species guidelines; g) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan; and h) A description of the measures the Holder will take to support rare plant surveys and research within the regional study area, as defined in the Application, to improve understanding of the distribution of rare plants species identified in a) above. <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, and Indigenous Groups.</p>

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	<p>The Holder must not commence Construction until the plan has been approved by EAO, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
28.	<p>Grasslands Restoration and Offsetting Plan</p> <p>The Holder must retain one or more QPs to develop a grasslands restoration and offsetting plan in consultation with EMPR, ENV, FLNR, ECCC, the Agricultural Land Commission and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A description of the quantitative and qualitative attributes of grassland habitat potentially directly and indirectly affected by the Project; b) Maps and a description of the quantitative and qualitative attributes and condition of the the areas proposed for the plan; c) Grasslands restoration and enhancement measures, including the measures set out in Appendix B, section 1 of the August 2017 <i>Ajax Project – Revised Wildlife Management and Monitoring Plan</i>; d) An assessment of the likelihood that the measures set out in the plan will successfully restore and enhance the habitat referenced in paragraph (a); e) A discussion of how restoration and enhancement measures will contribute to offsetting Project impacts to grasslands and grassland-reliant species; f) A description of how restoration and enhancement measures reflect the mitigation hierarchy referenced in section 6 of BC’s <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time), and how any relevant provincial recovery strategies for grassland-reliant species at risk, implementation plans and species at risk management objectives, and any relevant federal species guidelines are incorporated; g) Measures to ensure that areas included in the plan are protected from disturbance until the mine site reaches the end land use objectives required by condition 30, or until the Holder can demonstrate that the mine site provides the necessary ecological values required for grassland-reliant species; h) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become fully functional, taking into account the expected effectiveness of mitigation measures; i) The criteria that will be used to measure the success of the restoration and enhancement measures, and the process for selecting and implementing contingency measures, including additional offsetting measures, that will be taken should these criteria not be met ; j) A discussion of how offset objectives will be developed, including the use and selection of offset ratios; k) A description of the types of offset measures that will be considered, the process for selecting which will be implemented, an estimation of the

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	<p>probability of their success, and how offset sites will be selected; and</p> <p>l) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan.</p> <p>The Holder must deliver the plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of delivering the plan to the EAO, the Holder must also provide a copy of the plan to EMPR, ENV, FLNR, ECCC, the Agricultural Land Commission, and Indigenous Groups.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
29.	<p>Wetland Offsetting Plan</p> <p>The Holder must retain one or more QPs to develop a wetland offsetting plan, to offset unavoidable losses of wetland functions caused by the Project, in consultation with FLNR, ENV, ECCC, EMPR and Indigenous Groups. In this condition, “wetland function” refers to the ecological and lifecycle requirements provided by wetlands for wildlife species described below.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) A detailed habitat description for each wetland that would be lost or altered as a result of the Project, including: <ul style="list-style-type: none"> i) quantitative and qualitative description of the functions each wetland provides including individual functional conditions, such as habitat, hydrology, including the presence and abundance of migratory birds and animal and plant species at risk; and ii) the location and extent of these wetlands in the local study area as defined in the Application; b) A description of the methods used to determine the functions and overall condition of wetlands; c) A list of species that require wetlands for all or a portion of their lifecycle requirements, including spadefoot toad and western toad, migratory birds, and wetland-associated rare plants, and a description of the locations where their specific wetland requirements would be impacted by Project activities within the local study area as defined in the Application; d) A description of the offsetting measures to be implemented, including the amount and type of offsets required, the selection of offsetting/compensation sites, and a schedule/timeline for implementation of offsetting measures. <p>Offsetting measures must include:</p> <ul style="list-style-type: none"> i) measures to compensate for expected losses of individual wetland functions described in (a); and ii) the measures described in the Holder’s memo <i>Application of the Federal Policy on Wetland Conservation in Regards to Environment</i>

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	<p><i>and Climate Change Canada Comments ECC 075 and 077, dated July 25, 2016;</i></p> <ul style="list-style-type: none"> e) A discussion of the potential for time lags between when Project effects occur and when mitigation measures would become fully functional, taking into account the expected effectiveness of mitigation measures; and f) The means by which Indigenous traditional knowledge and Indigenous traditional use information, shared with the Holder by Indigenous Groups, has been incorporated into the plan. <p>The Holder must deliver the wetland offsetting plan to the EAO for approval a minimum of 60 days prior to the planned commencement of Construction. The Holder must not commence Construction until the plan has been approved by the EAO, unless otherwise authorized by the EAO.</p> <p>At the time of providing the plan to the EAO, the Holder must also provide a copy of the plan to FLNR, ENV, ECCC, EMPR and Indigenous Groups.</p> <p>The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
30.	<p>End Land Use Plan</p> <p>The Holder must retain one or more QPs to develop an end land use plan for the Ajax Project Area in consultation with EMPR, FLNR and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Describe land uses for the Ajax Project Area prior to the commencement of Construction, including traditional use information provided by Indigenous Groups; b) Provide the pre-Project and predicted Post-Closure ecosystem and land capability mapping for the Ajax Project Area; and c) Provide site-specific end land use objectives for the post-mining landscape and describe the means by which these objectives will be achieved, in consideration of the ecosystem and land capability mapping. <p>The Holder must provide the plan to the EAO, EMPR, FLNRO, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
31.	<p>Fisheries and Aquatic Life Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a Fisheries and Aquatic Life Monitoring Plan. The plan must be developed in consultation with FLNR, ENV, EMPR, Fisheries and Oceans Canada (DFO) and Indigenous Groups.</p>

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	<p>The plan must include:</p> <ul style="list-style-type: none"> a) Measures to avoid, mitigate and monitor potential Project effects to fish and fish habitat in Jacko Lake, Peterson Creek and Kamloops Lake, during Construction, Operations, Closure and Post-closure; b) Measures to avoid, mitigate and monitor potential mortality and injury to fish from sheet pile dam installation in Jacko Lake during Construction, and from blasting in the open pit during Operations, including; <ul style="list-style-type: none"> i. monitoring the sound pressure level and sound exposure level in the water column; and ii. the means by which visual surveys will be conducted on Jacko Lake to assess the potential for fish injury or mortality during sheet pile dam installation and blasting. c) Monitoring to assess the effectiveness of mitigation measures, including an Aquatic Effects Monitoring Program, updated from the version described in section 11.25.4 of the Application; and d) Reporting requirements, including a reporting schedule. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, DFO, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
32.	<p>Slope Stability Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a monitoring plan for slope stability, blast induced ground vibration levels, and pore water pressures between the Mine Site Area and the neighbourhood of Aberdeen. The plan must be developed in consultation with FLNR, ENV, EMPR, and the City of Kamloops.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Describe the means by which slope stability, blast induced ground vibration levels, and pore water pressures between the Mine Site Area and the neighbourhood of Aberdeen will be monitored; b) Describe the means by which monitoring data will be shared with the City of Kamloops; and c) Describe the means by which timely access to monitoring data and reports by the public and community liaison group will be ensured. <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, and the City of Kamloops for review a minimum of 60 days prior to the planned commencement of Construction. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>

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33.	<p>Ranching Access Management</p> <p>The Holder must provide ranchers who would be affected by a complete or partial closure of Goose Lake Road, resulting from the Construction or Operation of the Project, with alternative means to move their cattle and personnel between grazing areas and their properties.</p>
34.	<p>Jacko Lake Recreation Management Plan</p> <p>The Holder must construct the improvements to the Jacko Lake access and boat launch described in section 11.21 of the Application and in the Holder's memo <i>Fish Habitat and Fishery Offsetting Plan</i>, dated July 10, 2016.</p> <p>The Holder must develop a plan to minimize the adverse effects of the Project on recreation at or near Jacko Lake during Construction and Operations. The plan must be developed in consultation with FLNR, the City of Kamloops, the community liaison group, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Include the means by which the Holder will establish a Jacko Lake users group and define the role of the group in the implementation of the plan; b) Identify the recreation and angling activities that may be affected by Project activities; c) Describe the use of Jacko Lake for angling, including as measured in angler days per year; d) Identify the means by which the Project's blast schedule will be made publically available to those wishing to fish in Jacko Lake; e) Describe the monitoring and mitigation measures the Holder will take to avoid, minimize and/or offset effects to recreation and angling at Jacko Lake; and f) Set out a feedback program for anglers and other recreational users of Jacko Lake to comment on the effectiveness of the Holder's mitigation measures. <p>The Holder must provide the plan to the EAO, FLNR, the City of Kamloops, the community liaison group, and Indigenous Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
35.	<p>Local and Regional Training, Employment and Procurement</p> <p>The Holder must prepare monitoring reports respecting local and regional training, employment and procurement for the Project.</p>

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	<p>The reports must include:</p> <ul style="list-style-type: none"> a) A description of the consultation undertaken with local businesses on business opportunities for the Project; b) A description of the measures that the Holder used to enhance local and regional hiring and retention, and procurement of goods and services from local and regional businesses; and c) A description of the outcomes of the Holder's local and regional training, employment and procurement efforts. <p>The reports must be provided:</p> <ul style="list-style-type: none"> e) Within one year of commencing Construction; f) At the commencement of Operations; and g) Five years after commencing Operations. <p>The Holder must provide the monitoring reports to the EAO, the City of Kamloops, the Thompson Nicola Regional District (TNRD), and the community liaison group.</p>
36.	<p>Construction Workforce Accommodation and Health Services Plan</p> <p>The Holder must retain under contract a general practitioner for the duration of Construction, to provide healthcare services to the Project construction workforce.</p> <p>The Holder must develop a construction workforce accommodation plan in consultation with the City of Kamloops, the TNRD, community liaison group, and the IHA.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Identify the estimated number of project personnel (direct and contractor) that would require accommodation during the Construction phase of the Project; b) Identify any other parties to be consulted on the development and implementation of the plan, and how they will be consulted; c) Identify and analyse options for housing Project personnel and identify potential impacts associated with these options, including impacts on recreation, tourism, low-income and other accommodation users (including private landowners); d) Identify mitigation measures to address the potential impacts identified in paragraph (c); e) Identify the health and medical services needs that are likely to arise for the Project's employees and contractors, including those arising during off-work hours for Project employees and contractors residing temporarily in the community; f) Identify the minimum hours per week that the general practitioner will be available to provide healthcare services; and g) Identify the actions to be undertaken by the Holder to address the needs referred to in paragraph (e), including services and strategies to minimize

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	<p>effects to local health and medical services arising from the non-urgent and non-occupational health service needs of Project employees and contractors.</p> <p>The Holder must provide the plan to the EAO, the City of Kamloops, the TNRD, the community liaison group, and the IHA for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented throughout Construction to the satisfaction of the EAO.</p>
37.	<p>Light Pollution Management and Monitoring Plan</p> <p>The Holder must retain a qualified person experienced in monitoring and assessing artificial light at night, light engineering, and dark sky requirements for astronomical observatories to develop a light pollution management and monitoring plan. The plan must be developed in consultation with EMPR, FLNR, and the City of Kamloops.</p> <p>The plan must :</p> <ul style="list-style-type: none"> a) Describe the means by which the Holder will establish baseline information for dark sky in the areas that may be affected by the Project, for the purposes of establishing mitigation measures and monitoring; b) Set out the measures the Holder will employ to reduce artificial light at night coming from the Project while providing adequate lighting to ensure safe working conditions in accordance with applicable laws; and c) Include a monitoring program to be implemented during Operations to monitor and minimize the effects of glare and sky glow coming from the Project on the residential areas of Sahali, Pineview, Aberdeen, and Knutsford and at the Stake Lake Observatory. <p>The Holder must provide the plan to the EAO, EMPR, FLNR, and the City of Kamloops for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>
38.	<p>Human Health Reporting</p> <p>The Holder must retain one or more QPs to develop a human health reporting plan. The plan must be developed in consultation with ENV, EMPR, IHA, Health Canada, the City of Kamloops, and Indigenous Groups.</p> <p>The plan must:</p> <ul style="list-style-type: none"> a) Include a requirement for one or more QPs to conduct an analysis of the air quality data, collected pursuant to condition 20, to evaluate the human health risks associated with inhalation exposures to NO₂, SO₂, CO, PM₁₀, PM_{2.5}, particulate-bound metals and polycyclic aromatic hydrocarbons, using the methodologies used in the Holder's memo <i>HHERA Reassessment Using Air</i>

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	<p><i>Quality Predictions for Dust Mitigation Effectiveness Scenarios</i>, dated February 21, 2017.</p> <ul style="list-style-type: none"> b) Include a requirement for one or more QPs to conduct an analysis of dust deposition, water quality, soil, plant, and fish tissue for metals, for the purpose of determining their combined effect on the change in human health risk from baseline conditions, during Construction, Operations and Closure. This analysis must employ the methodologies used in the Holder's memo <i>HHERA Reassessment Using Air Quality Predictions for Dust Mitigation Effectiveness Scenarios</i>, dated February 21, 2017; c) The means by which information provided by Indigenous Groups regarding the types and volumes of traditional foods harvested and consumed from the Project Area by Indigenous Groups will be integrated in the assessment required in (b); and d) Identify a schedule for conducting and reporting on the required in (a) and (b). <p>The Holder must deliver the plan to the EAO for approval for approval a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of providing the plan to the EAO, the Holder must also provide a copy to ENV, EMPR, Health Canada, IHA, the City of Kamloops, and Indigenous Groups. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
39.	<p>Accidents and Malfunctions Communication Plan</p> <p>The Holder must develop a communication plan for accidents and malfunctions. The plan must be developed in consultation with FLNR, EMPR, ENV, IHA, City of Kamloops, the TNRD, and Indigenous Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) The means by which the Holder will notify potentially affected parties in the event of an accident or malfunction specified in section 17.6 of the Application, including the timeframe for initial notifications and updates subsequent to the initial notification; b) The information to be included in the notifications required by paragraph a), and subsequent notifications, including: <ul style="list-style-type: none"> i) health advisories; ii) remedial action being taken by the Holder; iii) details of subsequent monitoring; and iv) contact information of the Holder c) The contact information for Indigenous Groups, communities and other users of the area to which the Holder must provide notification, and a plan to regularly update this information. <p>The Holder must provide the plan to the EAO for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the</p>

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	EAO. The plan and any amendments thereto, must be implemented to the satisfaction of the EAO.
40.	<p>Care and Maintenance Plan</p> <p>The Holder must retain one or more QPs to develop a plan for situations when Construction or Operations cease for more than 90 days (the "Care and Maintenance" period). This plan must cover Care and Maintenance periods lasting for indefinite or definite time frames. The plan must be developed in consultation with EMPR, ENV, FLNR, and Indigenous Groups.</p> <p>The plan must include the means by which the following will be addressed:</p> <ul style="list-style-type: none"> a) Spill prevention and response related to hydrocarbon storage and leaks or other accidental emissions from machinery or equipment; b) Sediment and erosion control; c) Building maintenance; d) Mitigation of adverse wildlife effects and wildlife monitoring; and e) Access management. <p>The plan must also include a list of documents that this plan cancels and replaces during the Care and Maintenance period.</p> <p>The plan must identify and describe how each condition in this Certificate will either:</p> <ul style="list-style-type: none"> f) Apply in full or in part during a Care and Maintenance period; or g) Cease to apply during a Care and Maintenance period. <p>The Holder must provide the plan to the EAO, EMPR, ENV, FLNR and Indigenous Groups within one year of the commencement of Construction. This plan must be updated in consultation with EMPR, ENV, FLNR and Indigenous Groups prior to any Care and Maintenance period as described above, unless otherwise authorized by the EAO.</p> <p>The plan and any amendments thereto, must be implemented during any Care and Maintenance period between the start of Construction and the completion of Operations, to the satisfaction of a QP and to the satisfaction of the EAO.</p>
41.	<p>Traffic and Access Management Plan</p> <p>The Holder must retain a QP to develop a traffic and access management plan. The plan must be developed in consultation with Ministry of Transportation and Infrastructure (TRAN), the City of Kamloops, and the TNRD.</p> <p>The plan must include a traffic impact assessment developed in accordance with TRAN's Planning and Designing Access to Developments manual (2009 or as updated from time to time). The traffic impact assessment must include, at a</p>

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	<p>minimum:</p> <ul style="list-style-type: none"> a) An analysis of the Project's effects on vehicular traffic and infrastructure and proposed mitigation measures for the Inks Lake Interchange at Highway 5, Ajax Mine Access Road, the Copperhead Interchange, and the intersection of the Ajax Mine Access Road and Lac Le Jeune Road; and b) The location and description of any Project park-and-ride facilities, and an analysis of Project-related traffic impacts on the road network surrounding those facilities. <p>The traffic and access management plan must identify measures to mitigate effects from Project-related traffic during Construction and Operations, which must include:</p> <ul style="list-style-type: none"> c) The measures outlined in section 11.20 of the Application; d) Busing or the use of other multi-passenger vehicles to transport Project personnel from locations in the Kamloops area to the Project site during Construction; e) A description of how shifts will be scheduled during Construction and Operations to minimize the need for Project personnel to travel during peak traffic times; f) The measures the Holder will take to encourage carpooling as a means of transportation to and from the Project site; and g) Measures to monitor and minimize direct mortality to wildlife due to Project traffic. <p>The Holder must provide the plan to the EAO, TRAN, the City of Kamloops, and the TNRD for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of the EAO.</p>

In the matter of the
ENVIRONMENTAL ASSESSMENT ACT
S.B.C. 2002, c. 43
(the Act)

and

in the matter of an
Application
for an
Environmental Assessment Certificate
(Application)

by

KGHM Ajax Mining Inc.
(Proponent)

for the

AJAX MINE PROJECT

ENVIRONMENTAL ASSESSMENT Certificate # M17-02

Whereas:

- A. The Proponent proposes to construct, operate, and decommission the Project described in Schedule A to this Certificate (the "Project");
- B. On February 25, 2011, a Project Lead of the Environmental Assessment Office issued an Order under Section 10(1)(c) of the Act stating that an Environmental Assessment Certificate was required for the Project and that the Proponent could not proceed with the Project in the absence of an assessment;
- C. The assessment of the Application was conducted from January 18, 2016 to November 20, 2017 and included consultations with Indigenous groups and the public respecting the Application;
- D. Compliance with this Certificate, including its conditions, will be monitored by the staff of the Environmental Assessment Office, partner agencies and others who have been authorized to inspect under the Act;
- E. On November 20, 2017, pursuant to Section 17 of the Act, the Executive Director referred the Application, the summary assessment report, the assessment report dated August 2017, and his recommendations to the undersigned November 20, 2017; and,
- F. The undersigned have considered the Application, the Summary Assessment Report, the Joint Federal Comprehensive Study Report / Provincial Assessment Report, the Report on Final Environmental Assessment Public Comment Period, the proposed Environmental Assessment

Certificate Conditions, the submissions from Stk'emlupsemc to Secwepemc Nation, the City of Kamloops, and the Proponent, and the recommendations of the Executive Director.

Now Therefore,

We issue this Environmental Assessment Certificate to the Proponent for the Project as described in the Certified Project Description (Schedule A), subject to the conditions set out in the Table of Conditions (Schedule B).

Duration of Certificate

For the purpose of Section 18(1) of the Act, the deadline is five years from the date set out below.

Honourable George Heyman
Minister of Environment and
Climate Change Strategy

Honourable Michelle Mungall
Minister of Energy, Mines
and Petroleum Resources

Issued this _____ day of _____, 2017

From: [Frampton, Caelie ENV:EX](#)
To: [Karn, David GCPE:EX](#)
Cc: [Xia, Eveline ENV:EX](#); [Crebo, David GCPE:EX](#); [Cotton, Brian GCPE:EX](#)
Subject: RE: media request - Kamloops This Week - Ajax decision
Date: Monday, November 20, 2017 16:23:00

Good to go!

Caelie

From: Karn, David GCPE:EX
Sent: Monday, November 20, 2017 4:20 PM
To: Frampton, Caelie ENV:EX
Cc: Xia, Eveline ENV:EX; Crebo, David GCPE:EX; Cotton, Brian GCPE:EX
Subject: media request - Kamloops This Week - Ajax decision

Caelie,

Approved by EAO.

Reporter

Andrea Klassen, Reporter

Kamloops This Week

andrea@kamloopsthisweek.com

250-374-7467 c: 778-471-7520

Deadline ASAP

Request

With regards to the decision package. Did the final materials get revised based on public comment as was suggested earlier?

What's in the decision package?

Background

Recommendation

- All comments have now been summarized along with the Assessment Report and recommendations from the Executive Director in a final decision package by EAO staff, and have been provided to the ministers for a final decision. Also included in the decision package are submissions from Stk'emlupsemc te Secwepemc Nation (SSN); the City of Kamloops and the proponent, KGHM Ajax Mining Inc.
- Once Ministers have made their decision on the project, the entire package, including all the decision materials and their reasons for decision, will be posted online.

From: [Jardine, Kevin EAO:EX](#)
To: [Zacharias, Mark ENV:EX](#); [Smith, Curtis PSSG:EX](#); [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#)
Cc: [Crebo, David GCPE:EX](#); [Kennedy, Karla ENV:EX](#); [Craven, Paul EAO:EX](#); [Bailey, Scott EAO:EX](#)
Subject: RE: Ajax Mine Project 2017 errors and omissions minister heyman
Date: Tuesday, November 21, 2017 14:24:38

We'll have some standard messaging for you shortly.

From: Zacharias, Mark ENV:EX
Sent: Tuesday, November 21, 2017 2:24 PM
To: Smith, Curtis ENV:EX; Frampton, Caelie ENV:EX; Xia, Eveline ENV:EX
Cc: Jardine, Kevin EAO:EX; Crebo, David GCPE:EX
Subject: Fwd: Ajax Mine Project 2017 errors and omissions minister heyman
Good afternoon: This is the third letter today. Some are coming direct to me and others by way of MGH. I'll route these through Curtis just to ensure they are captured. I have been thanking the writer and letting them know they will receive a response shortly.
Regards, Mark

Sent from my iPad

Begin forwarded message:

From: "s.22"
Date: November 21, 2017 at 4:56:39 PM EST
To: "George Heyman" <george.heyman.MLA@leg.bc.ca>
Cc: "Mark Zacharias" <Mark.Zacharias@gov.bc.ca>
Subject: Ajax Mine Project 2017 errors and omissions minister heyman

s.22

November 19, 2017
Hon. George Heyman
Minister of Environment and Climate Change Strategy
Room 112 Parliament Buildings
Victoria, BC V8V 1X4
Phone: (250) 387-1187
Fax: (250) 387-1356
george.heyman.MLA@leg.bc.ca
Re: Proposed Ajax Mine Project

Dear Minister:

As a s.22 resident of the city of Kamloops who has actively worked to understand the proposed Ajax Mine project, I am absolutely bewildered at the errors and omissions in the entire Assessment process including the Joint Federal/Provincial Report.

The executive summary of the joint Federal Provincial Assessment Report exposes serious omissions in the entire process. There is reference to 'technical information' provided by KGHM Ajax mining, but the information provided by Indigenous groups and the public is labeled as 'comments'. The Indigenous groups, the local interest groups, neighbourhood groups, City of Kamloops and Mining Watch Canada hired specialists in many fields to analyze the permit application. These private sector specialists found the 'technical data' submitted by the proponent riddled with:

- **Errors** (eg. Underestimated emissions. There is missing data on overburden and topsoil handling and stockpiled storage. Silt content figures are inaccurate. The underestimated figures were then used in further calculations which also proposed an impossible level of dust mitigation.)

- **Omissions** (eg. No Health Impact Assessment. No Federal Panel Review. This project is less than 2 km from (and above) a community of 90,000. Topography already contributes to climatic inversions that trap pollutants in the valley resulting in poor air quality. How can there be no adverse effects to human health when Kamloops already experiences pm2.5 at the maximum level recommended for health? The State of the Air Report for 2016 (BC Lung Assoc) reports PM 2.5 for Kamloops at 8 (ug/m3) annually before the Ajax Mine. Exceeding this level is considered hazardous to human health. Only 5 BC communities had higher pm2.5 in 2016. 43 BC communities had significantly lower averages. How can such a project be approved without a Health Impact Assessment and without a Federal Panel Review?)

- **Outdated policy** (eg. No Financial Feasibility Study. The Mt. Polley Review Committee has said any project involving wet tailings storage must present a Financial Feasibility Study. The wet tailings will be stored above Kamloops forever and propose risk to the Thompson River watershed. Our environment cannot risk another "Mt. Polley." BC taxpayers cannot afford it. (Why are taxpayers footing the bill for Mt. Polley?)

- **Exaggeration** (eg. 90% mitigation of dust is almost impossible to achieve and even harder to measure. 90% of what? And this mitigation figure is calculated using underestimated emissions figures. I am unaware of any open pit mine project that has achieved 90% mitigation of dust.)

- **Out-of-region information** (eg. Soil information about the Ashcroft area (out of region) from a report prepared in the 1970's, was used.)

The executive summary states, "In preparing the joint federal Comprehensive Study/provincial Assessment Report, the Agency and EAO considered technical information provided by KGHM Ajax Mining Inc., expert advice from the working group, and comments provided by Indigenous groups and the public."

Where is the consideration for the technical information provided by the researchers and experts hired by the public, locally and internationally, in each of the significant areas of study (air, soil, groundwater, surface water, weather, country foods.....)?

It would appear that the agencies considered the technical information provided by the proponent and the consultants hired by the proponent. It would appear that the information presented by independent analysts has been overlooked. How could anyone approve the permit to operate an open pit mine 1.5 km from a city of 90,000 with so many obvious omissions in the application?

Examples, here in Canada, of the monumental, long term health & environmental problems and costs currently facing the communities of Malartic, Quebec, and Yellowknife, NWT should warn us of the impact of an open pit mine so close to Kamloops, a community with a population more than 10 times the size. The risk to human health compounded by decreased air quality and the risk to the environment are only two of many reasons this project should **never** proceed.

Yours truly,

cc: Mark Zacharias
Deputy Minister of Environment and Climate Change Strategy
PO Box 9339 Stn Prov Govt, Victoria BC, V8W 9M1
DM.ENV@gov.bc.ca

From: [Frampton, Caelie ENV:EX](#)
To: [Karn, David GCPE:EX](#)
Cc: [Xia, Eveline ENV:EX](#); [Crebo, David GCPE:EX](#); [Cotton, Brian GCPE:EX](#)
Subject: RE: Media request - CBC Kamloops - Ajax decision
Date: Wednesday, November 22, 2017 14:44:00

Approved.

Caelie

From: Karn, David GCPE:EX
Sent: Wednesday, November 22, 2017 2:33 PM
To: Frampton, Caelie ENV:EX
Cc: Xia, Eveline ENV:EX; Crebo, David GCPE:EX; Cotton, Brian GCPE:EX
Subject: Media request - CBC Kamloops - Ajax decision

Caelie,

EAO approved.

Reporter

Courtney Dickson, Reporter

CBC - Kamloops

courtney.dickson@cbc.ca

250-374-6802

Deadline Wednesday, November 22, 2017 3:30 PM

Request

I know the EAO has passed things over to the ministers of environment and mines and are unlikely to make their findings public. However, I do want to confirm a couple things:

1. What is the exact date the 45 days from Monday takes us to? I think it's January 5 but I wanted to get an official date on that.
2. The EAO says the ministers will decide whether or not to "issue a certificate." Can I get an explanation of what kind of certificate? Does this mean a certificate to go ahead (or not)? Or does this just then go to yet another government entity?
3. I'd just like an official statement from the Ministry of Environment on what its review will entail - what all will be considered, how important this is, etc.

Background

Recommendation

What is the exact date the 45 days from Monday takes us to? I think it's January 5 but I wanted to get an official date on that?

- The Ajax Project was referred to Ministers Heyman and Mungall on November 20, 2017. Ministers now have up to 45 days to consider the material and make a decision by January 4, 2018. This timeline, like other timelines under the Environmental Assessment Act, can be extended.

The EAO says the ministers will decide whether or not to "issue a certificate." Can I get an

explanation of what kind of certificate? Does this mean a certificate to go ahead (or not)? Or does this just then go to yet another government entity?

- The Ajax Mine Project requires an Environmental Assessment Certificate, issued by the Ministers, before it can proceed.
- If the Ministers issue an Environmental Assessment Certificate, the certificate would include two key documents: first, a legally-binding Certified Project Description that describes the project components and activities, and, second, legally binding conditions that the Holder must adhere to.
- The Environmental Assessment Certificate is just one step in the regulatory process before the project can be constructed and operated. If the Ajax Mine project receives a provincial Environmental Assessment Certificate, the company must still apply for, and successfully obtain, multiple federal, provincial and local permits and authorizations, including receiving a positive decision on the federal environmental assessment process.

3. I'd just like an official statement from the Ministry of Environment on what its review will entail - what all will be considered, how important this is, etc

- In accordance with the Environmental Assessment Act, the responsible Ministers must consider the assessment report, the recommendations of the executive director and other documents provided in the referral package, and they may also consider any other matters they believe are relevant to the public interest when they make their decision on issuing an Environmental Assessment Certificate

Jackson, Vickie ENV:EX

From: Morel, David P ENV:EX
Sent: Monday, December 18, 2017 11:32 AM
To: Jackson, Vickie ENV:EX
Subject: 74013-1

From: Bailey, Scott EAO:EX
Sent: Thursday, November 23, 2017 5:30 PM
To: Morel, David P ENV:EX; Robb, Peter L. EMPR:EX; Manwaring, Richard G FLNR:EX
Cc: James, Tracy A EAO:EX; Braun, Nathan EAO:EX
Subject: FW: A milestone without much comparison: Ajax Referral

Peter, David and Rick:

I am writing to briefly thank you each for your role, and that of your staff, in the Ajax project.

Below is my note to EAO staff about this. I wanted to share in recognition of the heavy lifting your staff have done on this file over the past (almost) seven years. While the below note is directed at EAO, the sentiment of appreciation goes well beyond our office. Please pass along my gratitude to your staff for being there for us, digging deep and being so supportive and helpful. The success of these files is truly a team government effort, and we are thankful to be part of a team with you and your staff.

Regards,
Scott

From: Bailey, Scott EAO:EX
Sent: Tuesday, November 21, 2017 8:18 AM
To: EAO Staff - All
Subject: A milestone without much comparison: Ajax Referral

All,

Today I get to announce the referral of Ajax. On February 25, 2011, Nicole Vinette signed a Section 10 order to bring the Ajax Mine Project into the EA process. Nearly seven years and three more project managers later, this project has now been referred to Ministers for a decision. Ajax has been the source of many firsts or near firsts. To name a few things that set Ajax apart:

- Five Public Comment Periods with over 5,000 comments
- Nine Open House days with over 2,600 participants
- First Collaboration Plan with a First Nation (sort of...long story)
- First Community Advisory Group (again, sort of...)
- Over 50 face to face meetings with First Nations
- Second time for a Public Comment Period on the Assessment Report (first time to get more than five comments).
- First Pilot Test of using New EPIC in a Comment Period (or was that New, New EPIC?)
- etc.

I think you are getting the idea...this project had many twists and turns. Highly complex technical components, a passionate and divided community, First Nations with strong title claims, legal cases and so on.

Before I thank the current team, I want to acknowledge the history of this file that is so important. A few months after Nicole Vinette started it, Chris Hamilton took over as project lead, followed by me, and finally Tracy for the past three years. PAOs on the project included Joanna (Nicole and Chris), Lindsay McDonough and Kristin Worsley (Scott) and ultimately Krysia, Erin McGuigan, and David. The file closely involved more than a dozen PAOs during Application Review. There was so much help along the way.

Jane was the common thread for longer than anyone - starting right at the beginning, and being a part of this right to the end. Jane is the one who had her sharp eye and steady hand on the bulk of the thousands of pieces of correspondence, thousands of public comment responses and multiple iterations of those complex materials that get generated. She had her hands on this right through to the referral package yesterday afternoon.

Nathan took over as EPD responsible last year. Nathan's keen eye and depth of knowledge came in at an excellent time. While on final approach, the project needed all hands on deck, and Nathan helped bring nuanced, but such important shape, to the final pieces of the puzzle.

Kevin has been a powerful support - coming to Kamloops to help us when asked, pushing us to ask and answer the tough questions and giving the team space to be excellent.

We cannot get away with talking about such a large project without talking about so many people, so we need to draw attention to Rumon Carter, Paul Craven, Nicole Del Raye, Geoff MacDonald. This group of folks provided the team with advice, technical know-how, new web sites, graphics and good old helpful support all along the journey. Autumn and Brenda also helped provided excellent assistance with multiple reviews and insights on conditions. Cory came to Kamloops to support collaboration on two occasions and also quietly provided terrific leadership on this groundbreaking work.

Not surprisingly, JAG played a huge role in this file too. Debbie talked me off the ceiling on more than one occasion to be sure. Chris and Debbie have been at our side all along, providing excellent advice, guidance and service for this effort.

Ajax required cross-agency coordination at an in-depth level, and the team spent many many hours in Victoria and Kamloops with our MMPO colleagues, particularly Lisa Payne, Amy Avila and Andrew Rollo. This also required so much time and collaboration with our colleagues at CEAA. This collaboration has strengthened our relationships beyond the office.

With so many people helping, I will say two things. First is that the support was unbelievable and so much appreciated – the many hands that touched this file made it better. As the number of PAOs built up in size to develop the assessment report, we ended up with something of a specialist model (another almost first). Krysia was in the control room running the day to day while Erin was focussed on First Nations. David took on all things related to the public as being 2IC on the working group. We employed many others, including key roles for Alanya, Sara, Alli, Jen K, Mark VD, Mark H, Sean B, Anna B, and Edwin to take on various chapters and bring their own expertise to the file. Help came from all sides, and with grace.

And, of course, there is Tracy. Tracy has been unwavering. Tracy was the right person to bring this home. All of the many complexities required a unique combination of experience, tenacity and team focus. Tracy's

ability to run this team, knit their pieces together, keep the motivation, maintain the excellence and land this puppy is an incredible sign of a great leader and project manager.

My deepest thanks to all for your part in this. The fact is that this kind of project does not get done without the support of the entire office. Challenges of this nature and magnitude do not come along often, but when they do, it is amazing to watch people rally together to create excellence together.

Scott

Jackson, Vickie ENV:EX

From: Morel, David P ENV:EX
Sent: Monday, December 18, 2017 11:33 AM
To: Jackson, Vickie ENV:EX
Subject: 74013-2
Attachments: 2017-09-05 Mining Sept Priorities.pdf

From: Hill, Douglas J ENV:EX
Sent: Tuesday, September 26, 2017 4:57 PM
To: Morel, David P ENV:EX
Subject: Mining authorizations - tracking and monthly priorities

David,

Sending this to you to provide an listing of mining authorization and EA work underway. The work is divided into three geographic areas:

NE-SE (essentially to two coal blocks)
NW-Coast (the mountainous coast area)
Interior (central and southern interior)

Work on the list is the identified high and medium priority work. The team keeps the list up regularly and published monthly.

Thought it might provide some context when talking to mining operators concerned about timing as it shows how we manage the workload.

doug

NW-Coast Workplan

Updated: 2017-09-31 the date updates are made to this worksheet

Archived: 21-Apr-16 *this is the date the snapshot is taken for the monthly priority sheet*

last review by BHH

update from SH required

new this month

resourcing pressure

	Standard Information across all teams/worksheets
	Optional Information that varies with teams/worksheets

s.13

Central Interior Workplan

Updated: 2017-08-31 the date updates are made to this worksheet
Archived: this is the date the snapshot is taken for the monthly priority sheet
last review by BHH

s.13

update from SH required
new this month
resourcing pressure

	Standard Information across all teams/worksheets
	Optional Information that varies with teams/worksheets

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Ajax	KGHM Ajax Mining				EA	Review	new mine EA review	2016-01-18	2017-09-28	2 - Med	GM	LB	Contractor	ER	RA	Review now aligned with federal process. Finishing Review and proceeding into Analysis Phase prior to developing draft EA Certificate Conditions. Air modeling remains with concerns of ability to actually model the airshed. Most EA level review issues are resolved and effects assessment memos submitted. SSN review decision against proposal issued. Waiting for EAO assessment report and conditions for review. DRAFT Assessment report expected early June, DRAFT conditions expected mid June. Comments likely due end of June.
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Workplan **SE** **NE**
Updated: 01-Sep-17 01-Sep-17
Archived: 18-Apr-16
last reviewed by: BHH BHH
s.13

update from SH required
new this month
resourcing pressure

	Standard Information across all teams/worksheets
	Optional Information that varies with teams/worksheets


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FW: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Monday, February 5, 2018
2:15 PM

Subject	FW: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order
From	Heron-Herbert, Brian ENV:EX
To	Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX
Sent	Wednesday, November 1, 2017 2:13 PM
Attachments	 Ajax_TOC_2 1-23 water

Good afternoon,

I looked the proposed changes over and I think they are OK. What do you both think?

Thanks,

Brian

From: James, Tracy A EAO:EX

Sent: Wednesday, November 1, 2017 2:09 PM

To: Heron-Herbert, Brian ENV:EX

Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX; Angus, David EAO:EX

Subject: RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Brian,

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On October 18, I let you know that the EAO was contemplating revisions to the EAC conditions. I'd indicated that the revisions may include the following:

- Expanding the spatial extent of the condition to include monitoring registered groundwater wells in the Peterson Creek aquifer that currently use groundwater for drinking, irrigation, or livestock purposes;
- Requirement for KAM to describe consultation efforts with these groundwater well owners regarding the current water quality (and volumes) in their wells; and
- Additional requirements for KAM to describe mitigation options for groundwater quality and quantity that reflect the provincial *Policy for Mitigating Impacts on Environmental Values* (eg. avoid, minimize, restore, offset).

I have attached the proposed changes to this email, for your information. FYI, I will also be sharing them with Susan Fitton and Dave Thomson at FLRN.

If you have concerns or questions about these changes, please don't hesitate to contact me as soon as possible. As part of administrative fairness, I will be providing the company with an opportunity to comment on these changes as well, prior to the Ministers' referral.

Best wishes,

Tracy James

From: Heron-Herbert, Brian ENV:EX

Sent: Tuesday, October 31, 2017 11:26 AM

To: James, Tracy A EAO:EX

Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX

Subject: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Tracy,

Thanks for the provision of the material from the Public Review Period (i.e., documents included in the original email, University of Victoria Environmental Law Center on behalf of KAPA (dated August 14, 2017) and KAM's response to the August 14, 2017 letter (dated October 5, 2017).

The majority of materials seems related to groundwater; however, we did consider the content and application of this information regarding our previous assessments. In reviewing the information and our assessments we find that this does not change our original assessments of effects to aquatic life. In order to determine whether there is a potential for effects on drinking water in the area, we would need to hear from groundwater experts, whether aquifers connectivity and groundwater flows would facilitate contaminant transport to existing groundwater wells.

Our original assessment included the requirement for the collection of further high quality water quantity/quality data and more detailed information for the possible permitting review for EMA applications. These data would be used to reduce uncertainties in the modeling, predictions and further management plans.

If you have any questions please do not hesitate to contact me at your convenience.

As always,

Brian Heron-Herbert

Senior Project Manager
Mining Operations
Environmental Protection Division
Ministry of Environment and Climate Change Strategy
Phone: 250.847.7251
Cell: 250.643.0687



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21.	<p>Surface Water Quality Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a surface water quality monitoring plan. The plan must be developed in consultation with ENV, EMPR, FLNR, IHA, the City of Kamloops, and Aboriginal Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) <u>NEW</u>: A description of how proposed mitigation measures reflect the mitigation hierarchy referenced in section 6 of BC's <i>Policy for Mitigating Impacts on Environmental Values</i> (May 13, 2014, as amended from time to time); a)b) An assessment of the effects on water quality from the use of any dust suppressants or surfactants that are planned for use at the Mine Site Area; b)c) The locations and methods for monitoring surface water quality during all Project phases and verifying the water quality predictions included in the Holder's memo <i>1207_KAM_KP WQ Predictions Update for Changes to Conceptual Fish Offsetting Plan</i>, dated December 7, 2016; and e)d) The Holder's approach to updating the water quality model used in the Application. <p>The Holder must provide the plan to the EAO, ENV, EMPR, FLNR, IHA, the City of Kamloops, and Aboriginal for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
22.	<p>Groundwater Investigation Plan</p> <p>The Holder must retain one or more QPs to design a groundwater investigation plan. The plan must be developed in consultation with ENV, EMPR, FLNR, IHA, the City of Kamloops, and Aboriginal Groups.</p> <p>The plan must include:</p> <ul style="list-style-type: none"> a) Pumping tests around the Edith Lake fault zone and Jacko Lake, including installation of additional wells and monitoring instrumentation, to inform mitigation and monitoring; b) Drilling investigations in the vicinity of the Edith Lake fault zone to inform mitigation and monitoring; c) Evaluation of groundwater quality in the Peterson Creek aquifer at a location nearer to the mine site property boundary than the RES-2 residential well (referred to in the Application, Figure 6.5-2) and upgradient of existing residential wells, to further characterize the baseline groundwater quality conditions within 1.5 km radius of the Mine Site Area;

Comment [TJ1]: Added a requirement to reflect the hierarchy (avoid, minimize, restore on-site, offset)

	<p>d) A schedule for reporting the results of the investigations in paragraphs (a) through (c) to the EAO, ENV, EMPR, FLNR, IHA, the City of Kamloops, and Aboriginal Groups; and</p> <p>e) The means by which the results of the groundwater investigations will be considered in the Project design, the development of the plan described under condition 23, the development of additional mitigation measures, and in the implementation of all applicable conditions of this Certificate.</p> <p>The Holder must provide the plan to the EAO for approval a minimum of <u>120</u> days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. At the time of providing the plan to the EAO, the Holder must also provide a copy to FLNR, EMPR, ENV, IHA, the City of Kamloops, and Aboriginal Groups. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
23.	<p>Groundwater Management and Monitoring Plan</p> <p>The Holder must retain one or more QPs to develop a groundwater management and monitoring plan. The plan must be developed in consultation with FLNR, ENV, EMPR, IHA, the City of Kamloops, and Aboriginal Groups.</p> <p>The plan must:</p> <p>a) Incorporate the results of the groundwater investigation plan required by condition 22 and associated monitoring data, including data collected from any new or revised monitoring locations;</p> <p>b) Include the groundwater management and monitoring commitments set out in the Holder's memo <i>Ajax Project EA/EIS – Response to Memorandum entitled 'Ajax Mine Project – Review of Supplemental Correspondence BGC-022'</i>, dated April 13, 2017;</p> <p>c) <u>NEW: Identify locations for monitoring quality and quantity of groundwater used for drinking, livestock or irrigation purposes, including groundwater wells utilizing the Peterson Creek Aquifer that are existing at the date of issuance of this Certificate;</u></p> <p>e)d) Describe the means by which groundwater quality and quantity (including groundwater elevations and flow) will be monitored, <u>at the locations identified for the purposes of paragraph (c), during all Project phases within 1.5 km of the Mine Site Area;</u></p> <p>e) <u>REVISED: Set out how the Holder will, prior to Construction, consult with owners of groundwater wells that utilize the Peterson Creek aquifer with respect to the amount of water they are entitled to withdraw, the amount of water they actually withdraw, the purpose of their groundwater use, and the quality of their groundwater. Specify the approach for consulting with registered groundwater well owners in the Peterson Creek aquifer, for wells existing at the date of issuance of this Certificate, for the purpose of identifying allocated withdrawal volumes and current withdrawal volumes;</u></p> <p>d)f) <u>REVISED: Describe mitigation measures the Holder will take if there are Project impacts to groundwater wells including the impacts to quality and quantity referred to in paragraph (f), up to and including providing replacement groundwater or compensation to owners of impacted wells; Describe the mitigation measures to avoid or minimize impacts to groundwater quantity and</u></p>

Comment [TJ2]: Added a new (c) so that geographic extent is not necessarily limited to 1.5km.

	<p>groundwater quality. For groundwater quantity, this must include the means by which the Holder will ensure that the Project does not cause groundwater wells to be unable to satisfy their withdrawal volumes as identified in (d);</p> <p>e)g) Describe the approach and schedule for updating and re-calibrating the groundwater flow and quality quality and flow models used in <u>Section 6.5 and Section 6.6 of the Application</u> respectively.</p> <p>The Holder must provide the plan to the EAO, FLNR, ENV, EMPR, IHA, the City of Kamloops, and Aboriginal Groups for review a minimum of 60 days prior to the planned commencement of Construction, unless otherwise authorized by the EAO. The plan, and any amendments thereto, must be implemented to the satisfaction of a QP and to the satisfaction of the EAO.</p>
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RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Monday, February 5, 2018
2:22 PM

Subject	RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order
From	Matscha, Gabriele ENV:EX
To	Heron-Herbert, Brian ENV:EX
Sent	Wednesday, November 1, 2017 2:19 PM

Brian,

I am fine with those changes.

Gabi

From: Heron-Herbert, Brian ENV:EX

Sent: Wednesday, November 1, 2017 2:14 PM

To: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX

Subject: FW: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Good afternoon,

I looked the proposed changes over and I think they are OK. What do you both think?

Thanks,

Brian

From: James, Tracy A EAO:EX

Sent: Wednesday, November 1, 2017 2:09 PM

To: Heron-Herbert, Brian ENV:EX

Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX; Angus, David EAO:EX

Subject: RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

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If you have concerns or questions about these changes, please don't hesitate to contact me as soon as possible. As part of administrative fairness, I will be providing the company with an opportunity to comment on these changes as well, prior to the Ministers' referral.

Best wishes,

Tracy James

From: Heron-Herbert, Brian ENV:EX

Sent: Tuesday, October 31, 2017 11:26 AM

To: James, Tracy A EAO:EX

Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX

Subject: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

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If you have any questions please do not hesitate to contact me at your convenience.

As always,

Brian Heron-Herbert

Senior Project Manager

Mining Operations

Environmental Protection Division

Ministry of Environment and Climate Change Strategy

Phone: 250.847.7251

Cell: 250.643.0687



Ministry of Environment

Reduce, Reuse & Recycle

FW: Notification of Ajax Referral to Ministers

Monday, February 5, 2018

2:23 PM

Subject	FW: Notification of Ajax Referral to Ministers
From	Heron-Herbert, Brian ENV:EX
To	Adams, Ralph ENV:EX; Berkes, Leslie A ENV:EX; Danyluk, Carol ENV:EX; Matscha, Gabriele ENV:EX; Merkulova, Lyudmila ENV:EX; Rainey, Erin ENV:EX; Saraswat, Arvind ENV:EX
Cc	Hill, Douglas J ENV:EX; Hoffman, Edward A ENV:EX
Sent	Monday, November 20, 2017 4:16 PM

Hi Team,

WOW ... what great work from everyone!!! My compliments to all of you and your great work on this proposed project. Amazingly complex on so many fronts and I think we did a great job on our reviews and advice. EAO was listening to us and actively asking for our help and opinions and that is a great compliment to your work.

It had some crazy parts and lots of gnashing ... yet you all answered the "so what" questions in plain language. ... ;}

So again my thanks for your great work and patience with me on this work. Fantastic job to all.

Have a great day.

As always,

Brian

Reduce, Reuse & Recycle

From: Angus, David EAO:EX

Sent: Monday, November 20, 2017 3:49 PM

Subject: Notification of Ajax Referral to Ministers

Dear Working Group Members,

This afternoon, the EAO referred KGHM Ajax Mining Inc's application for an environmental assessment certificate to the Honourable George Heyman, Minister of Environment and Climate Change Strategy, and the Honourable Michelle Mungall, Minister of Energy, Mines and Petroleum Resources. As per the Environmental Assessment Act, the Ministers have up to 45 days to make their decision on whether to issue a certificate, refuse to issue a certificate, or order further assessment. The referral package, Ministers' decision and reasons for their decision, will be posted on EAO's website once the decision is made.

The EAO would like to sincerely thank all working group members for their efforts, dedication, and valuable contributions to the Ajax technical review. Your expertise has been essential to conducting a comprehensive EA, and we deeply appreciate your participation.

Sincerely,

David.

(P.S. As it has been sometime since our last working group email please forgive any errors or omissions of addressees.)

David Angus, MRM

Project Assessment Officer | Environmental Assessment Office

Tel: (250) 387-2463 | Email: david.angus@gov.bc.ca



RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

Monday, February 5, 2018
2:23 PM

Subject	RE: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order
From	Rainey, Erin ENV:EX
To	Heron-Herbert, Brian ENV:EX; Matscha, Gabriele ENV:EX
Sent	Thursday, November 16, 2017 9:21 AM

Hi Brian,
The changes look good to me.
Cheers,
Erin

Erin Rainey, P. Eng., Hydrologist

BC Ministry of Environment and Climate Change Strategy

Phone: 250-354-6358 | Fax: 250-354-6332

From: Heron-Herbert, Brian ENV:EX

Sent: Wednesday, November 1, 2017 2:14 PM

To: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX

Subject: FW: ENV Response to a: Ajax - Request for a Drinking Water Health Hazard Prevention Order

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To: Heron-Herbert, Brian ENV:EX

Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX; Angus, David EAO:EX

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Cc: Rainey, Erin ENV:EX; Matscha, Gabriele ENV:EX

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Mining Operations

Environmental Protection Division

Ministry of Environment and Climate Change Strategy

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Cell: 250.643.0687



Ministry of Environment

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Notification of Ajax Referral to Ministers

Monday, February 5, 2018

2:24 PM

Subject	Notification of Ajax Referral to Ministers
From	Angus, David EAO:EX
To	
Sent	Monday, November 20, 2017 3:48 PM

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