



MOUNTMILLIGAN

Community Sustainability Committee (CSC)

Meeting Minutes

Date: March 16, 2018 **Time:** 10:00 am – 2:00 pm

Location: Prince George City Hall **Date Issued:** April 6, 2018

Prepared by: Chelsea Ogilvie T: 250-997- 1371 E: cogilvie@tcrk.com

Facilitator: Joanna Miller T: 250-997-7548 E: jmiller@tcrk.com

Attendees:

Name	Organization	Present
Erin Siemens	College of New Caledonia (FSJ), Project Planner	P
Kris Nielsen	District of Fort St. James, Councillor	P
Kelley Williams	District of Fort St. James, Economic Development	
Ann McCormick	Member at Large, Fort St James	P
Dave Forshaw	District of Mackenzie, Councillor	P
Diane Smith	District of Mackenzie, Director of Corporate Services	P
Position Empty	Member at Large, Mackenzie	
Shannon Bezo	College of New Caledonia (Mackenzie), Regional Principal	
Position Empty	McLeod Lake Indian Band, Councillor	
Ken Solonas	McLeod Lake Indian Band, Employment & Training Liaison	P
Position Empty	West Moberly Land Use Manager, West Moberly First Nation	
Colleen Erikson	Nak'azdli Whut'en, Natural Resources Manager	
Hilary Irving	District of Vanderhoof, Deputy Dir. Community Development	P
Kevin Moutray	District of Vanderhoof, Councillor	
Wayne Salewski	Member at Large, Vanderhoof	P
Terri McConnachie,	City of Prince George, Councillor	P
Joanna Miller	Centerra Gold, Superintendent, Sustainability & Community	P
Chelsea Ogilvie	Centerra Gold, Advisor, Sustainability & Community	P

Guests: Tim Caldwell, Environment, Centerra Gold; Claudette Gouger, Kemess, Centerra Gold; Troy Morin, Regional Principal, College of New Caledonia Nechako Campus

Description: Summary of Action Items	Resp.	Due Date	Item
1. Centerra to compile more detailed information on local hires	CO	April 13	1
2. Centerra to present employment stats in month-over-month format going forward	CO	June 1	1
3. Centerra to provide breakdown of 2017 spend on both regional and locally owned businesses	CO	June 1	1

4. Centerra to report back to CSC on possibility of Mount Milligan involvement in Nak'azdli Whut'en video project	JM	April 13	5
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#	Topic
1	<p>Welcome</p> <ul style="list-style-type: none"> Joanna Miller welcomed CSC members. Joanna invited CSC members and guests to introduce themselves and then provided an overview of the agenda.
2	<p>Centerra Gold & Mount Milligan Update</p> <p>AuRico Acquisition – Joanna Miller</p> <ul style="list-style-type: none"> Centerra Gold Inc. acquired AuRico Metals in January 2018 and is now the 100% owner of the Kemess Underground Project. The company is working through the integration process and hope to have shared services at a regional level. Looking to expand the Prince George office to accommodate the regionalization. <p>Mount Milligan Employment, Health & Safety Update (Attachment One) – Chelsea Ogilvie</p> <ul style="list-style-type: none"> There are 534 full time employees as of February 2018, an increase from 524 in September. Of those, 86% are male and 14% are female. The workforce is comprised of 12% Mackenzie, 14% Fort St James, 5% Vanderhoof, 24% Prince George, 8% Fraser Lake residents, 2% are national, and 34% come from remainder of BC. 14.9% of the workforce is Aboriginal, of which 0.7% is McLeod Lake, 6.4% is Nak’azdli Whut’en and 7.8% are from other Aboriginal groups. Mount Milligan’s All Incidents Recordable Rate for 2017 was 1.22 <p>Mount Milligan Community Development/Engagement Update – Chelsea Ogilvie and Joanna Miller</p> <ul style="list-style-type: none"> Mount Milligan is currently developing two pre-employment mine training programs; one in partnership with McLeod Lake and the CNC Mackenzie and the other is in partnership with Nak’azdli Whut’en and the CNC Fort St. James. Both programs will be offered to members of the respective First Nations. The programs have been designed to align with the seasonal labour needs of the mine and the request from the communities to have real work opportunities available for graduates. Four 8-month work terms will be available to graduates from both programs Roger Pomerleau, the new Training Superintendent is involved. Centerra is moving forward with a developing a searchable local supplier database, which will include businesses from Fort St. James, Mackenzie, Vanderhoof and Fraser Lake. We are working with Centerra Gold’s Supply Chain Dept. to build the database. Local businesses will be required to register online and will have registration fees waived. This will help both our Supply Chain Dept. as well as the end users of good and services to understand what is available in our local communities. Centerra is planning a number of events in the month of May to celebrate BC Mining Month, including community BBQs and mine tours. <p><i>CSC questions and comments:</i></p> <p>Q1: The number of employees coming from the “Rest of BC” is up, but the number from Mackenzie is down. Why is this?</p>

	<p>A1: We increased headcount this year, and that contributes to the shift in percentages from each area. We have also started running a bus from Smithers which might have an impact on where people are applying and getting hired from. It can also be difficult to find local candidates for highly specialized positions.</p> <p>Q2: You have always been transparent about having to go further afield for expertise. Is there a way to track the amount of specialized versus non-specialized hires? I am hearing of lots of people from the local communities not getting jobs even though they have the qualifications.</p> <p>A2: Yes, we can get more statistics for you on local employment.</p> <p>C3: You are good at doing outreach in the schools, but there doesn't seem to be any recruitment in the communities.</p> <p>R3: We have heard this request before and will look into what we can do to increase our recruitment presence in our local communities.</p> <p>Q4: We have been hearing about more shifts at the mine that are offered on a rotation of 2 weeks on and 2 weeks off – Is this going to be more common? The point of 1 week on and 1 week off was to keep the focus on hiring locally.</p> <p>A4: The 2 week rotation has been offered to a few new employees, but We are not sure how this will look moving forward. Kemess will be on a 2 and 2 rotation. I recognize that the 7 on, 7 off rotation was chosen for a specific reason and will continue to ensure that our hiring managers understand the commitment made to hire locally.</p> <p>Q5: What is the total number of employees on site? Is there a way we can see this tracked month over month/year over year?</p> <p>A5: There are 534 fulltime employees at Mount Milligan. Yes, we can present the stats as graphs that track the data over time.</p> <p>Q6: Can we get a review of the explanation for the AIRR calculation?</p> <p>A6: Yes, we will review this calculation again at our next meeting.</p> <p>Q7: Are you including travel to and from site in your incident stats? We have lost 3 truck drivers this winter so we are concerned with safety on the roads.</p> <p>A7: Our bussing information is tracked and if anything were to happen during travel to or from site it would undergo a full investigation.</p> <p>C8: Any information involving the roads can be helpful to improving road safety. Even something seemingly random like hitting a moose can have an underlying cause of a saltlick in the wrong place, so it is important to be tracking this information.</p> <p>Q9: Can we get the breakdown of regional spend versus money going to locally owned businesses, because it would be great to have some baseline data.</p> <p>A9: Yes, we can do that.</p>
2	<p>Mount Milligan Environmental Update: Philip Lake 1 Pipeline & Upcoming Permitting – Tim Caldwell (Attachment Two)</p> <ul style="list-style-type: none"> • Tim provided an update on the water situation at the mine, including current and planned permitting activities. • The pipeline to Philip Lake 1 has been constructed and has recently started drawing water. This will help to support the water needs of mine. The mine is currently

	<p>permitted to draw water from Philip Lake 1 until October 2018, but we are proposing to extend the authorization.</p> <ul style="list-style-type: none"> Annual environmental reports are currently being completed for all mine sites. Reports are due at the end of March. <p><i>CSC questions and comments:</i></p> <p>Q10: What species of fish are in Philip Lake 1? Did you find Kokanee?</p> <p>A10: There are burbot, rainbow trout, minnow species, lake trout, but no Kokanee were identified in the last survey. We will be repeating a fish The last fish survey was done 9-10 years ago though, so we will be redoing it this spring to see if there are the same species in there.</p> <p>Q11: What is the threshold where you stop taking water out of Philip Lake 1?</p> <p>A11: The maximum drawdown is 2.3cms outside of natural variation. The lake trout lay eggs on the edge of the lake and we want to ensure they aren't impacted. We are noticing natural fluctuations in lake levels above what was expected and will need to amend our short term authorization to reflect a new lake level. This number has not yet been determined and will be assessed by experts.</p> <p>Q13: What is happening in the Environmental Assessment process?</p> <p>A13: Amendment #3 of our Environmental Assessment Certificate was approved for water withdrawal this winter. We will be applying for another amendment for groundwater withdrawal for the life of mine. Another amendment will be sought to extend our short-term water withdrawal from Philip Lake 1 and Meadows Creek.</p> <p>Q14: Does this group need to lobby anyone for any of these permits?</p> <p>A14: We appreciate the ongoing offering of support of the CSC.</p> <p>Q15: Would a schedule for all of this be helpful to add to the agenda moving forward?</p> <p>A15: Yes, let's get it beforehand so that we can direct the conversation.</p>
4	<p>Kemess Underground Project Update – Claudette Gouger (Attachment Three)</p> <p><i>CSC questions and comments:</i></p> <p>Q16: Is this project going to be the same as underground coal mining? Because Tumbler Ridge is running a big training course.</p> <p>A16: This is block cave mining, and we will be doing most training in-house.</p>
5	<p>Mount Milligan Community Project Fund – Application Review</p> <p>Prior to reviewing the spring 2018 applications, members discussed past applications with funds still on hold. These organizations will be contacted, and depending on the status of their project, the hold of funds may be removed and they will be required to reapply once the project moves forward.</p> <p>Eight applications to the Community Project Fund were received by the February 1, 2018 deadline for the spring intake period. The Committee discussed each application in detail and decided that the Fund should not cover expense such as travel. The Fund application form and criteria document will be updated to reflect these decisions.</p>

Each application was evaluated by the CSC and ranked from 1 to 8. . The following table summarizes the ranking and amount of funding granted by the Committee.

PROJECT	OVERALL CSC RANKING BASED ON EVALUATION	FUNDING GRANTED
P1 Mackenzie Healthy Living	7	\$0
P2 Mackenzie Search and Rescue	1	\$10,000
P3 Mackenzie Outdoor Routes and Trails Association	6	\$0
P4 Nak'azdli Whut'en Natural Resource Department	4	\$0
P5 Fort St. James Taekwondo Society	8	\$0
P6 Nechako White Sturgeon Recovery Initiative	3	\$1,125
P7 Big Brothers Big Sisters Prince George	5	\$6,000
P8 Mackenzie College of New Caledonia	2	\$10,000

TOTAL FUNDING GRANTED: \$27, 125

6 Working Lunch

7 CSC Community Updates:

The CSC members reported on activities in their respective communities since the last meeting in October 2017.

McLeod Lake (KS)

- There has been a lot of change in personnel at McLeod Lake Indian Band (MLIB). Bob Inkpen is the interim Band Manager and Economic Development advisor. A well-respected councillor recently passed away and a new councillor will be sworn in next week.
- Amanda Chingee is working with PGNAETA on trades programs.
- Ken Solonas has applied for other positions within the Band. His continued membership on the CSC is dependent on the outcome of those applications.
- Planning for the Annual General Assembly will start soon, and the tentative dates will be August 8-10.

District of Mackenzie (DS)

- The Recreation Centre upgrade is proceeding on time and on budget. The pool will open the week of March 26th and the overall project is expected to be completed by this fall. Further grant funding has been acquired to support weight room upgrades as well as a climbing wall.
- The District was approved for \$128,000 in grant funding to upgrade the current Morfee Waterfall Trail. This will create a more accessible trail with better signage, brushing and trail clearing. This project is expected to be completed by the end of September.
- The District Trails Master Plan will be finalized soon and will create a strategy for future trail development. The District is excited to continue trail development projects this summer after the success of the Morfee Lake Trail and Little Mac Mountain Bike Trails.

- The District is creating a Structure Protection Unit to be deployed during wildfire season as needed. The Unit will be used for training, protection of infrastructure, green spaces and high wildfire risk areas.

District of Vanderhoof (HI)

- Council is putting a skate park across from the pool. They are currently seeking funding.
- There are Smart Burning workshops next week and money for pellet stoves as an effort to improve air quality, which is an ongoing issue.

District of Fort St. James (KN)

- Canfor is requesting that the Province turn the North Road into a Forest Service Road. This is an important topic for the community. There have been meetings at private residences, but so far no Canfor has held no public meetings. .
- The housing report is now finished.
- The hospital is on the list for upgrades and we now have 6 physicians.

Q16: We are very interested in attending community meetings concerning Canfor's proposal for the North Rd. Can the District of Fort St. James make sure we are kept in the loop once a date has been set?

A16: Yes, I will send you the information when I get it.

College of New Caledonia – Fort St James (ES, TM)

- Experiencing some stalls in our funding applications due to transition in provincial government.
- The College is very excited about the new Digital Delivery Initiative (DDI), which allows us to share courses between campuses. We have 7 university-level courses that students can take during the upcoming summer intersession.
- Working with SD91 to implement Discovery programming. Have the goal of getting more students in the buildings, but also having them be more successful.

Q17: What is the catchment area for DDI?

A17: Vanderhoof and Fort St. James directly, but we can connect with other communities.

Q18: Have you had much uptake in the free high school upgrading courses?

A18: Yes we have. In Fort St. James we actually have a waiting list for some courses. We aren't sure if this has something to do with the mine now requiring grade 12.

C18: The company is looking at a regional standard for education requirements, since Kemess does not require grade 12.

Q19: Can employees starting at the mine in entry level positions receive support to upgrade, at camp for example?

A19: Yes, we have talked about that in the past and will look into this.

City of Prince George (TM)

- Housing stats are up, and there are plans for new housing and new hotels in the City. We are seeing a record number of housing permits.

8	Member-at-Large Mackenzie Application Discussion <ul style="list-style-type: none">• The CSC approved the application of Aiden Wiechula for CSC Member-at-Large representing Mackenzie.
9	Terms of Reference Discussion <p>The CSC decided to hold the date of June 6, 2018 for the Committee's next meeting and agreed to review the Terms of Reference for the Committee at that time. The meeting will take place at the Mount Milligan mine site and Roger Pomerleau and Cindy Sherk will be invited at the request of the Committee.</p>



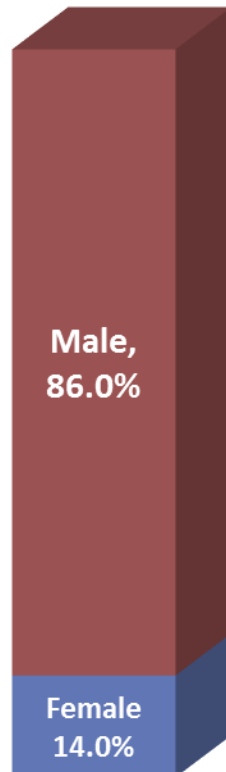
MOUNT **MILLIGAN**

EMPLOYEE STATS

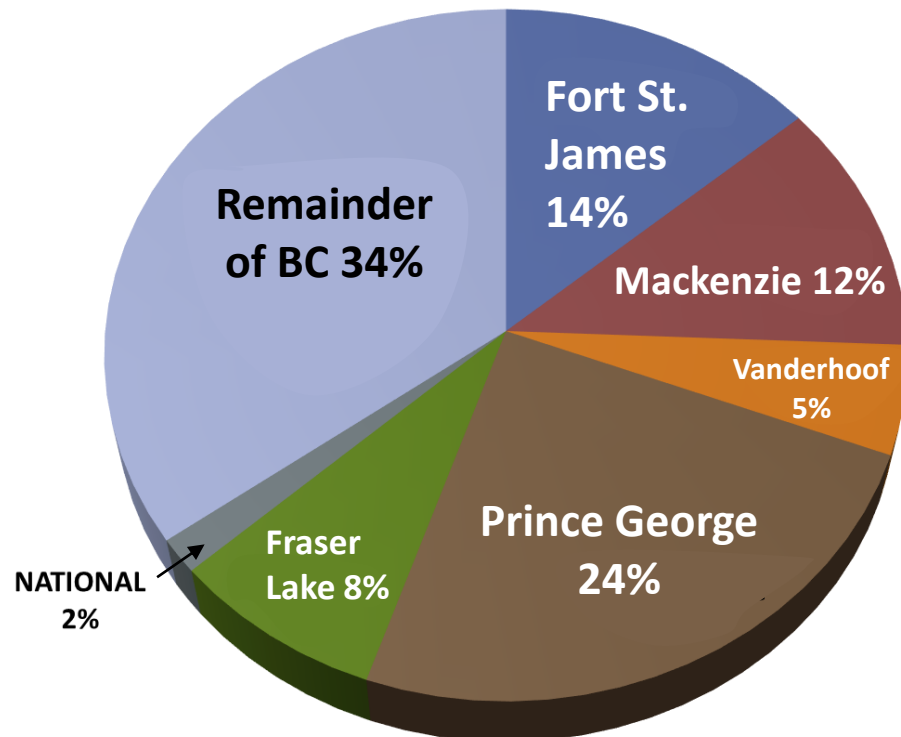
February 2018

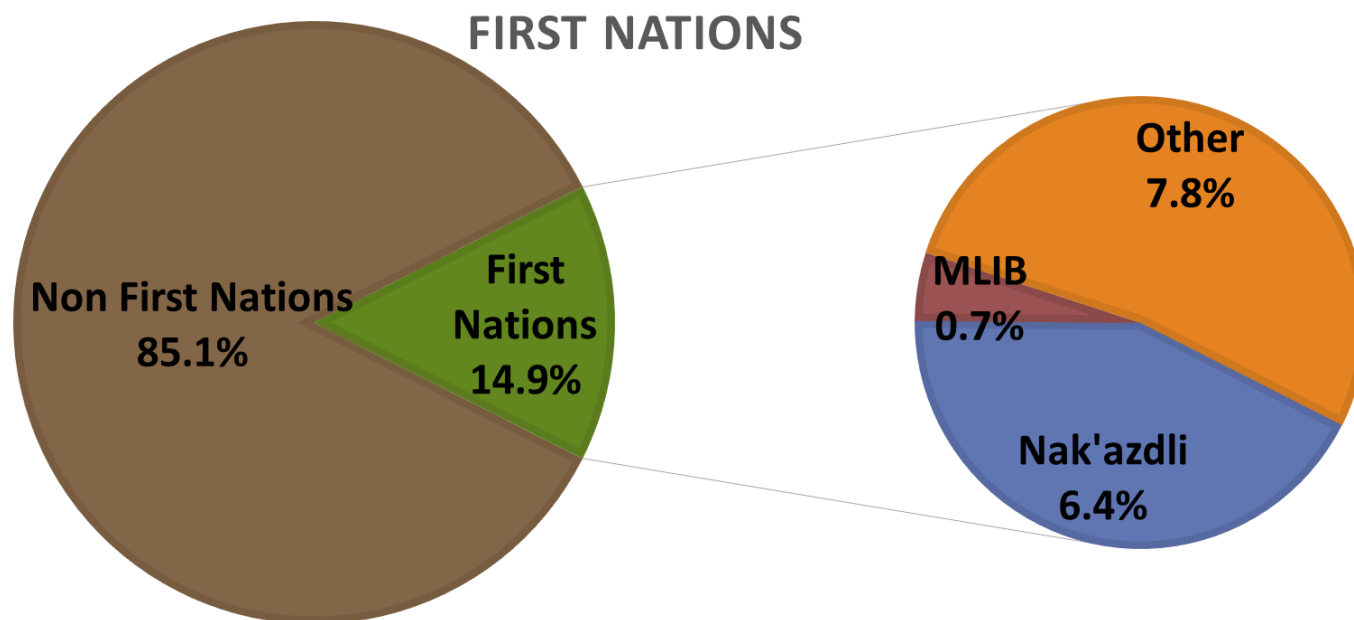
GENDER

Total Employees: 534

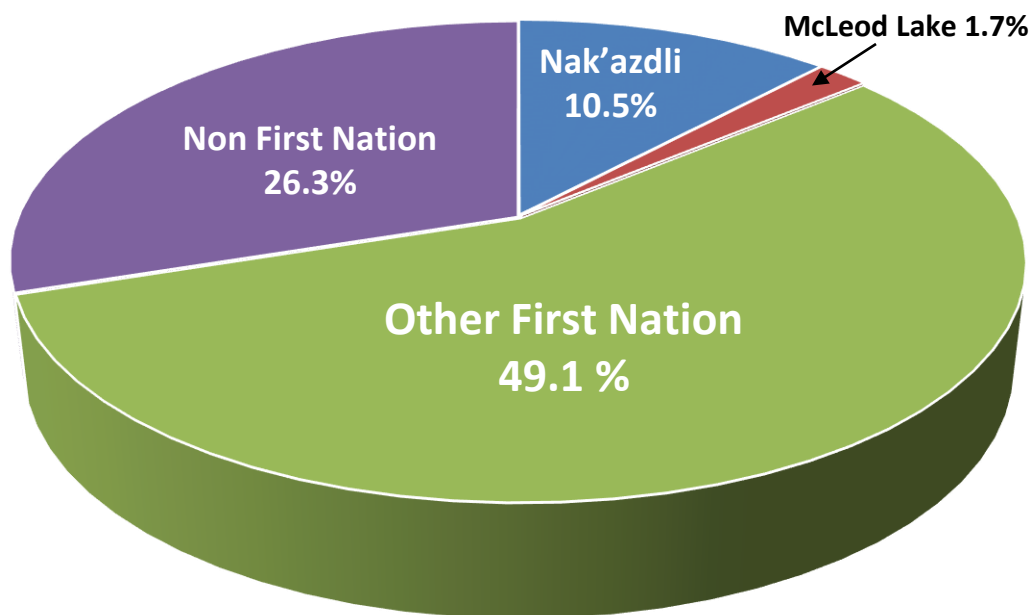


Geographic Range

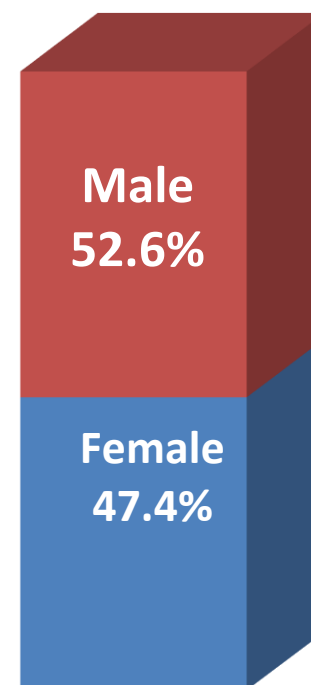




Contractor Demographics



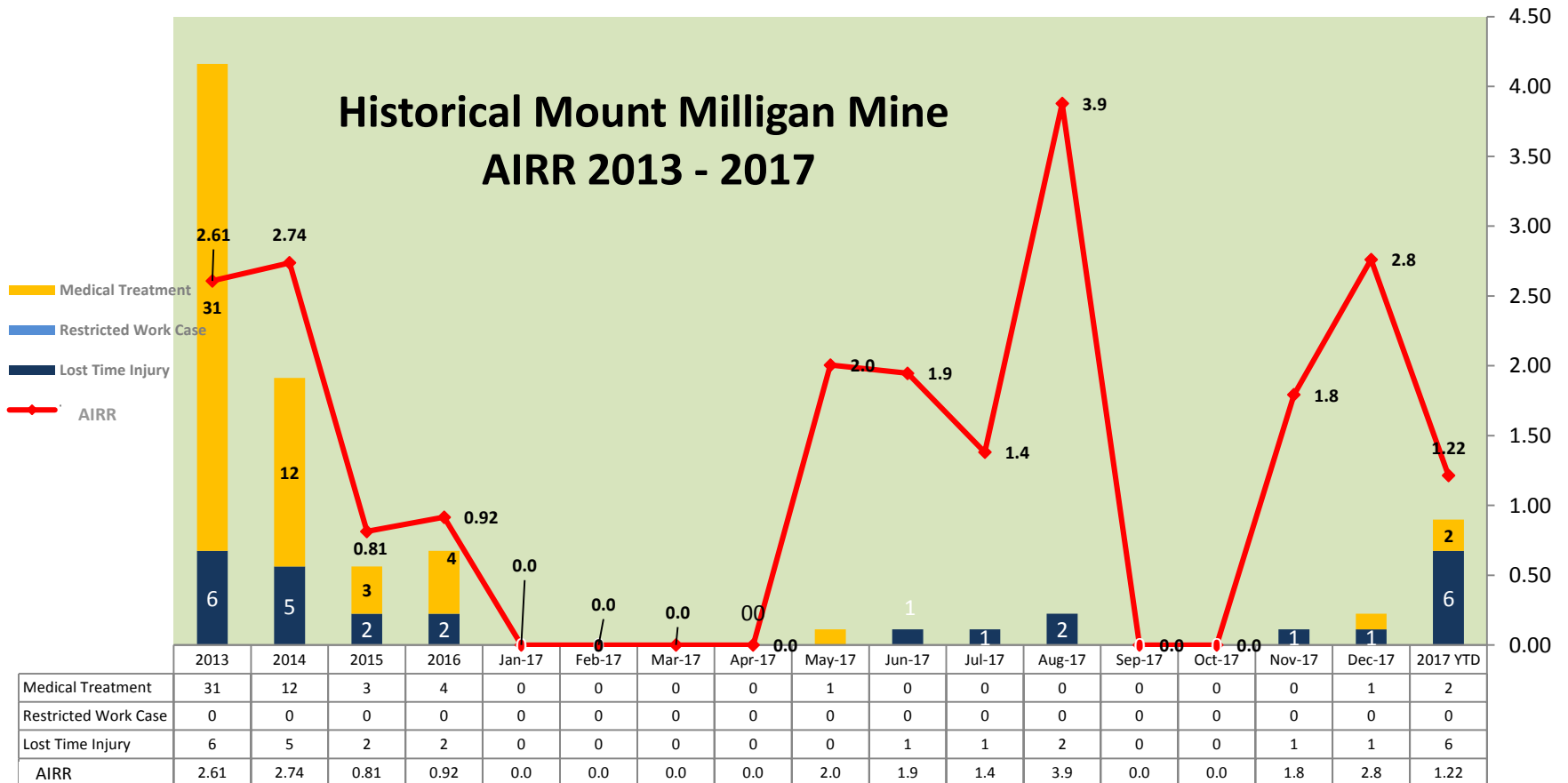
Contractor Gender



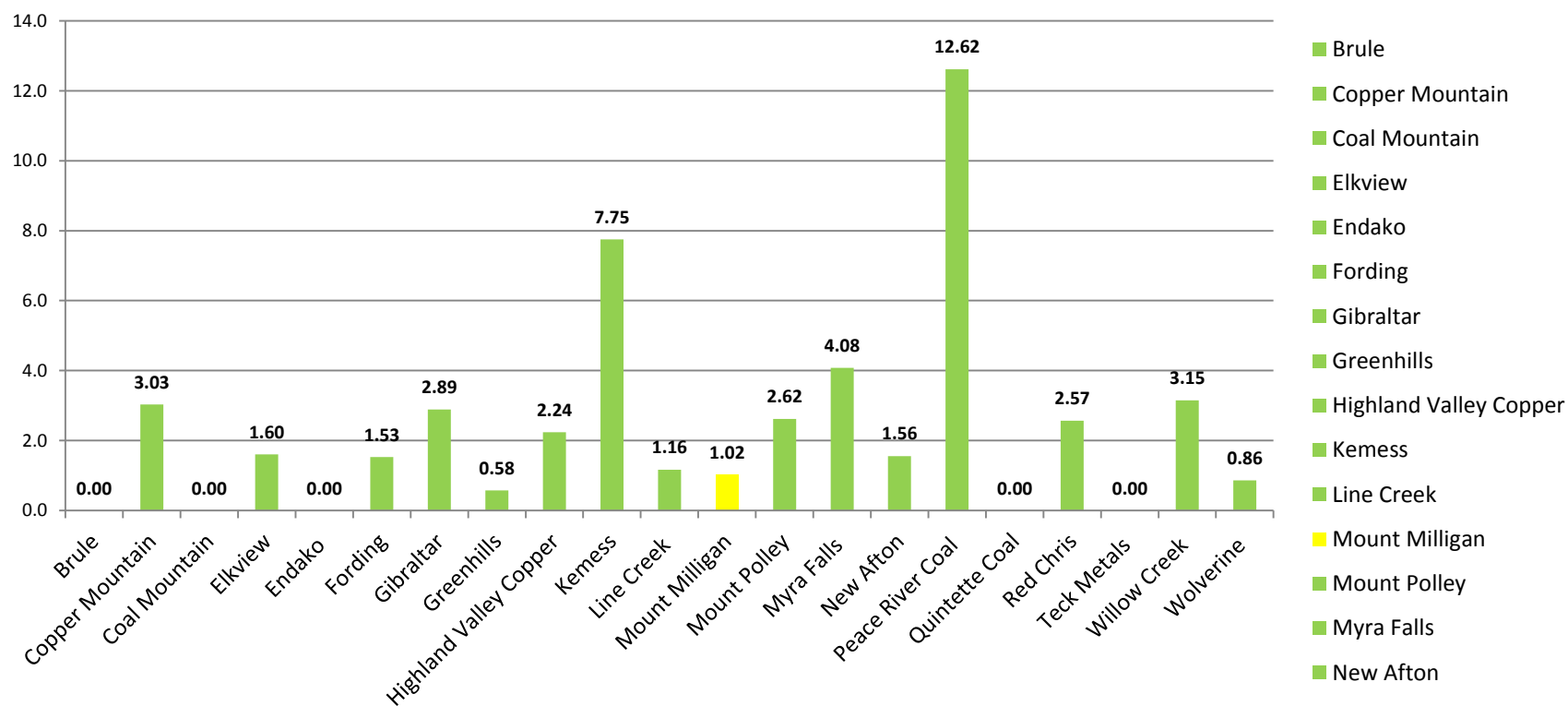


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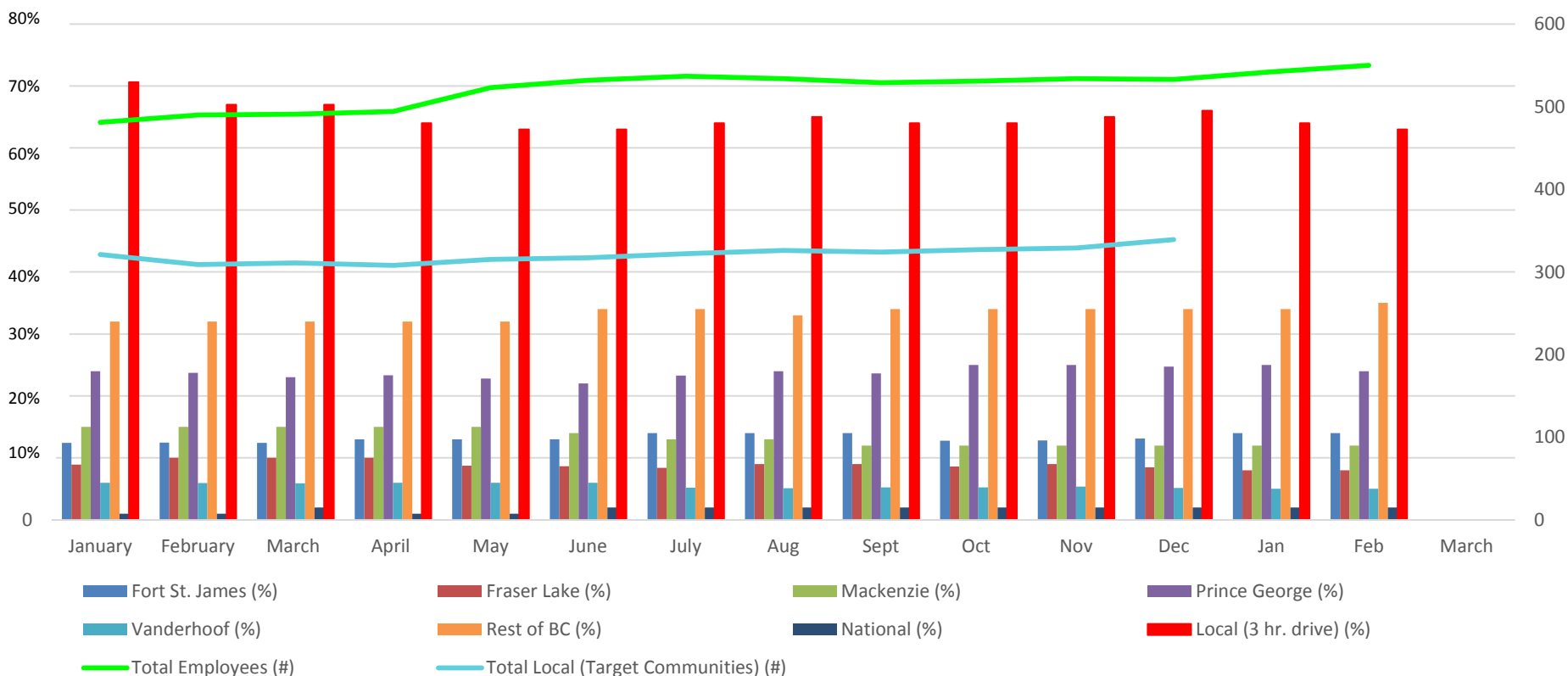
SAFETY STATS 2017



AIRR for All Mines in BC End of November 2017 YTD

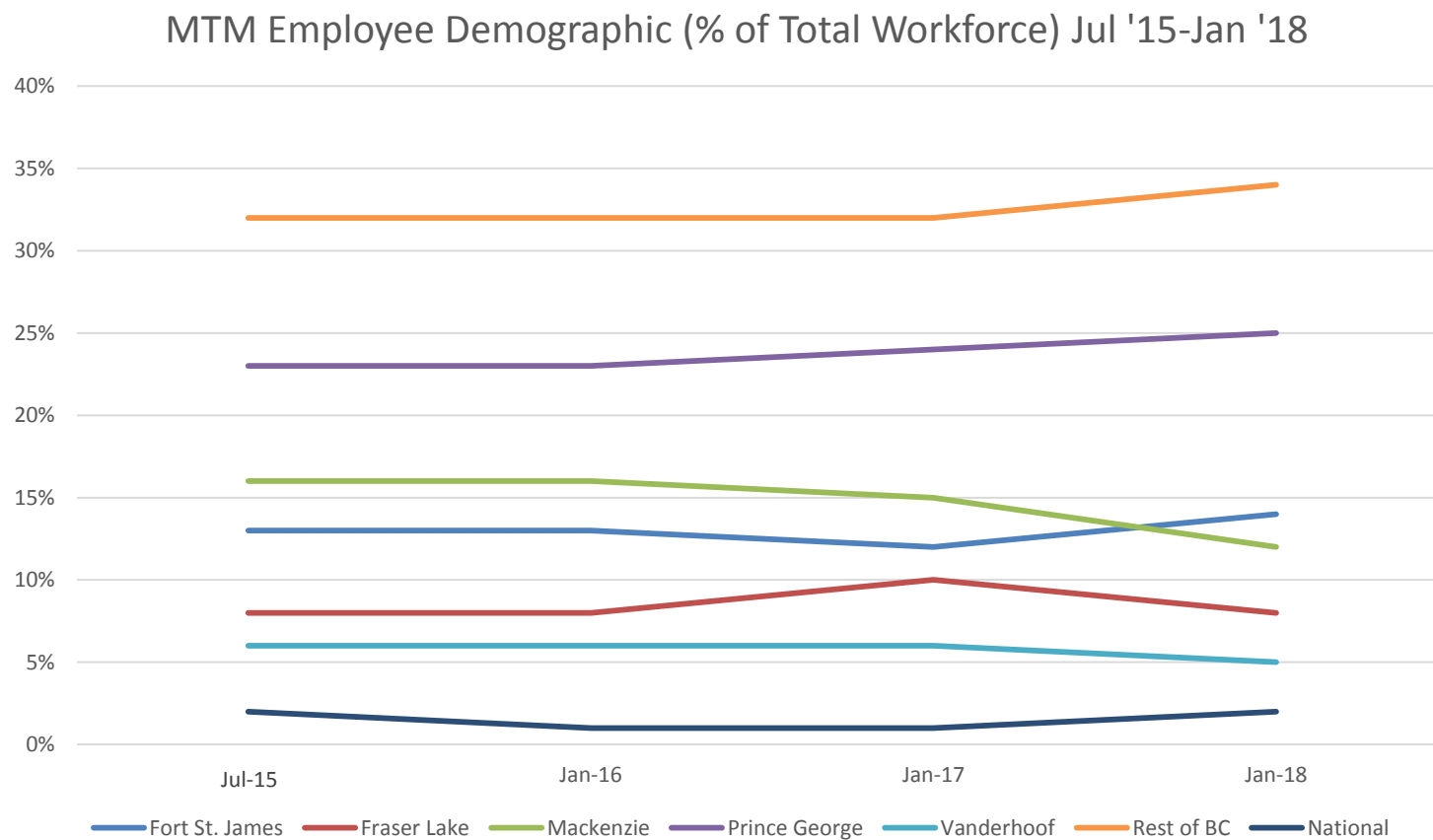


MTM Employee Demographics by % of Total Workforce (2017-2018)



Local Hiring Stats

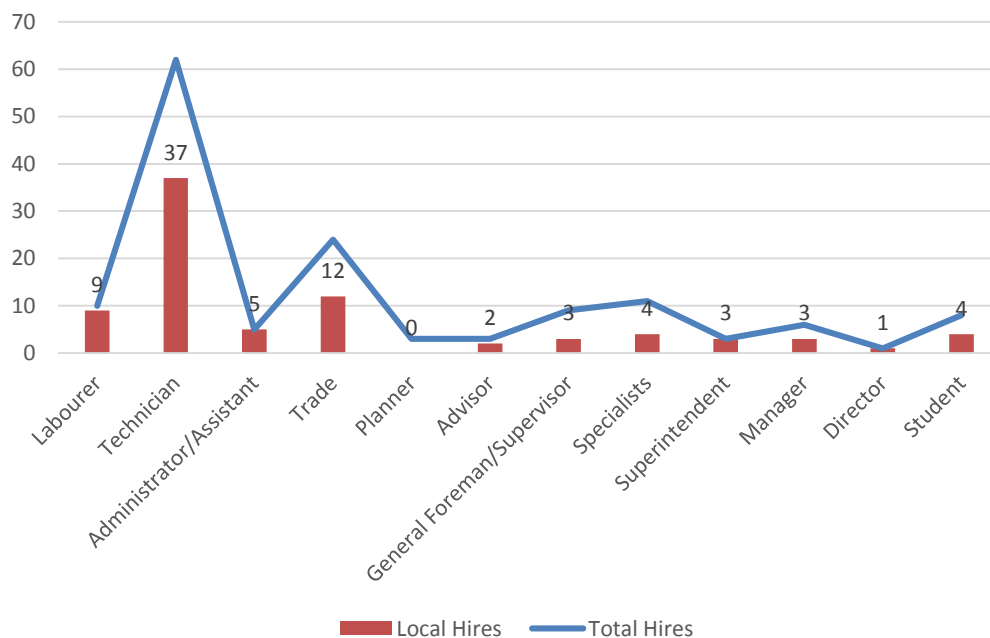
% of Workforce Jul 2015-Jan 2018



Hiring Demographics by Role

2017

Hiring Demographics by Role, 2017 (total numbers)



Role	% of total hires that were local (by role)
Labourer	90%
Technician	60%
Administrator/Assistant	100%
Trade	50%
Planner	0%
Advisor	67%
General Foreman/Supervisor	33%
Specialists	36%
Superintendent	100%
Manager	50%
Director	100%
Student	50%

10 Communities with the Greatest Net Gain (2017)

	Community	Net Gain
1	PRINCE GEORGE	21
2	FORT ST JAMES	11
3	FRASER LAKE	3
4	TELKWA	3
5	WILLIAMS LAKE	3
6	FORT FRASER	2
7	HOUSTON	2
8	KAMLOOPS	2
9	MACKENZIE	2
10	TAKLA LANDING	2

centerra**GOLD**



MOUNTMILLIGAN



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Mount Milligan Update – Philip Lake Pipeline Construction

March 12, 2018



Win As a Team

Strive For Continuous Improvement

Be Responsible Miners

Deliver Results

- **January 29, 2018** – All operational permits received; pipeline construction began.
- **March 8, 2018** – Pipeline commissioning and start-up of pumping

Total Construction Days: 39

Safety:

No safety issues during construction phase.

Issues & Concerns:

Construction delays due to weather and procurement of supplies.

Minor environmental concerns included:

- Dirty pipe delivered to site – yard dirt picked up from manufacturer. Clean replacement pipe sent.
 - Secondary containment – jerry cans placed outside of secondary containment. Issue resolved.
 - Waste Management – pile of scrap plastic noted. Issue resolved.
-
- Inspections conducted daily by TCMC Environmental staff, including Nak'azdli Whut'en representatives.
 - Multiple inspections conducted by archaeological consultant and FLNRO representatives throughout construction.

Pipeline Burial



Jan 29: Excavation of the pipeline trench on the mine site near Pond 2

Pipeline Burial

Feb 9: Excavators working to break frost on the Rainbow Road at 33km



Feb 20: Establishing the “S” curve under the Rainbow Road FSR

Pipeline Burial



618 Tracstar fusing machine ready to conduct a fuse



Typical backfilling materials placed in trench



Excavator lifting assembled pipe over snowbank

Steep Slopes

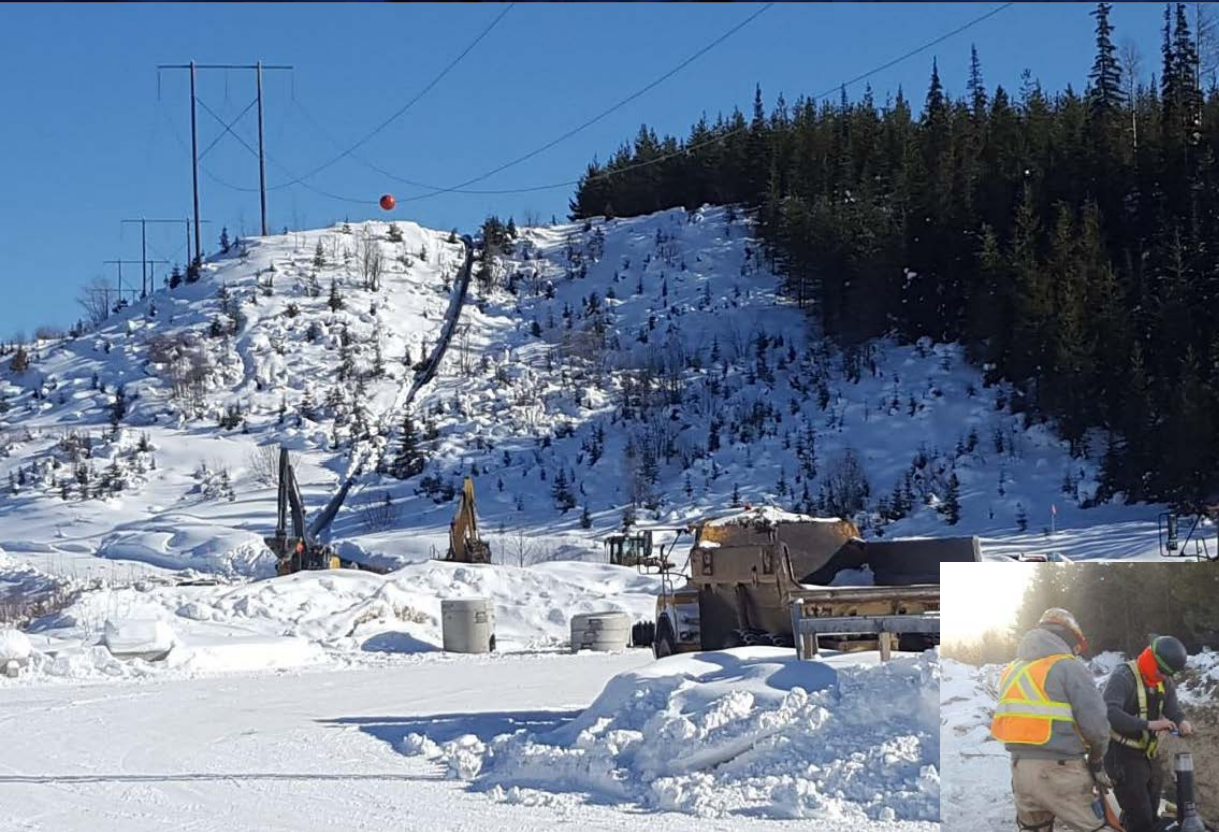


Insulated pipe ready for fusing.
18" pipe diameter with 3"
foam layer and sheath.

Base of the hill underneath
powerline; pipeline to ascend
hill.



Steep Slopes



Mar 4: Pipe fusing at the base of the hill under the transmission line

Air vent installation at the top of the hill under the transmission line



Rainbow Creek Crossing

Feb 2: Start of pile driving on Rainbow Creek elevated crossing; facing west.



February 3: Driving the last pile on the west side of Rainbow Creek.

Rainbow Creek Crossing



Feb 4: Placement of pipeline crossing braces



Feb 14: Rainbow Creek aerial pipeline crossing complete

Access to Philip Lake 1



Feb 14-15: Feller-buncher removing trees down to Philip Lake shore and snow clearing



Feb 16: Grapple skidder removing trees and debris from Philip Lake pump station

Pump Station

Mar 7: Pump station (pump in seacan, fuel storage uphill)



Diesel generator and fuel tank
in secondary containment



Philip Lake 1



Feb 26: Clearing snow on Philip Lake 1 to barge location



Mar 3: Pump barge

First Day of Pumping



Mar 8: Philip Lake water
pumped to Pond 2



Flow meter at Pond 2

Questions?

Mount Milligan Permitting Plan - 2018/2019

Task Name	Duration	Start Date	Due Date	Comments
Phase 3				
EAC Amendment #3 Condition 4: Quarterly Reports to EAO				
Q1 Quarterly report on EAC Amend #3 compliance	22	1-Apr-18	23-Apr-18	Reporting period = Jan 1, 2018 - Mar 31, 2018
Q2 Quarterly report on EAC Amend #3 compliance	22	1-Jul-18	23-Jul-18	Reporting period = Apr 1, 2018 - Jun 30, 2018
Q3 Quarterly report on EAC Amend #3 compliance	21	1-Nov-18	22-Nov-18	Reporting period = Jul 1, 2018 - Oct 31, 2018
Q4 Quarterly report on EAC Amend #3 compliance			N/A	Not applicable; no reporting necessary once
Phase 3				
EAC Amendment #3 Condition 7: Proposed Long-term Water Supply - Phase 1				
Develop draft Proposal	19	1-Feb-18	20-Feb-18	Done
Provide draft Proposal for review by Indigenous Groups, EAO and MMPO	0	21-Feb-18	21-Feb-18	Done
Review by Working Group for revisions of draft Proposal; feedback received by Indigenous Groups, EAO and MMPO	14	21-Feb-18	7-Mar-18	Done
Submit Long Term Water Supply Proposal Phase 1	8	7-Mar-18	15-Mar-18	Extension received from EAO for proposal submission. Done
Phase 3				
EAC Amendment #3 Condition 8: Proposed Long-term Water Supply - Phase 2				
Retain QRP to develop Phase 2 for long-term water supply based on Phase 1 proposal	0	1-Mar-18	1-Mar-18	Done
Develop draft Proposal	227	16-Apr-18	29-Nov-18	
Engage Indigenous Groups in development of proposal	227	16-Apr-18	29-Nov-18	Ongoing
Draft proposal submitted to Indigenous Groups, FLNRO, EMPR and EAO	0	30-Nov-18	30-Nov-18	
Review feedback received by Working Group and revise proposal as necessary	19	1-Dec-18	20-Dec-18	
Submit Long Term Water Supply Proposal Phase 2	0	2-Jan-19	2-Jan-19	
Phase 3				
EAC Amendment #3 Condition 9: Engagement Plan				
Develop plan for consulting and including participation of Indigenous Groups for Conditions 7 and 8	15	1-Feb-18	16-Feb-18	Done
Submit Engagement Plan to Indigenous Groups	0	16-Feb-18	16-Feb-18	Done
Receive comments from Indigenous Groups on Engagement Plan	10	16-Feb-18	26-Feb-18	Done
Submit draft Engagement Plan to Indigenous Groups and EAO for review	0	8-Mar-18	8-Mar-18	Done
Receive comments from Indigenous Groups and EAO on Engagement Plan	11	8-Mar-18	19-Mar-18	Done
Revise Engegement plan within 15 days of receiving comments from EAO and Indigenous Groups	14	23-Mar-18	6-Apr-18	Done
Submit Engagement Plan to Indigenous Groups and EAO	0	6-Apr-18	6-Apr-18	Done
Phase 3				
EAC Amendment #3 Condition 10: Nak'azdli Whut'en to participate in identified monitoring activities related to Philip Lake withdrawals.				
Develop list of identified monitoring activities and estimated schedule	11	25-Jan-18	5-Feb-18	Done
Invite Nak'azdli member to participate in monitoring activities	11	25-Jan-18	5-Feb-18	Done
Provide summary letter to EAO and Nak'azdli Whut'en on compliance with Condition 10	0	1-Mar-18	1-Mar-18	Done

Mount Milligan Permitting Plan - 2018/2019

Task Name	Duration	Start Date	Due Date	Comments
Phase 3				
EAC Amendment #3 Condition 11: Provide monthly monitoring reports to Working Group beginning March 1, 2018				
Submit February 2018 report	0	1-Mar-18	1-Mar-18	Done
Submit March 2018 report	0	29-Mar-18	29-Mar-18	Done
Submit April 2018 report	0	30-Apr-18	30-Apr-18	
Submit May 2018 report	0	31-May-18	31-May-18	
Submit June 2018 report	0	28-Jun-18	28-Jun-18	
Submit July 2018 report	0	31-Jul-18	31-Jul-18	
Submit August 2018 report	0	30-Aug-18	30-Aug-18	
Submit September 2018 report	0	27-Sep-18	27-Sep-18	
Submit October 2018 report	0	31-Oct-18	31-Oct-18	
Phase 3				
EAC Amendment #3 Condition 12: Short-term Withdrawal Plan				
Develop plan for short-term withdrawal of water from Philip Lake and Meadows Creek for 2019 in consultation with Working Group	22	1-Mar-18	23-Mar-18	Done
Submit draft plan to Working Group for review	0	23-Mar-18	23-Mar-18	Done
Receive comments from Working Group	18	23-Mar-18	10-Apr-18	
Submit Short-term Water Withdrawal plan to Working Group	0	15-Apr-18	15-Apr-18	Extension received from EAO for proposal submission
Phase 3				
EAC Amendment #3 Condition 13: Takla/MLIB Short and Long Term Teport on addressing impacts to Aboriginal Interests				
Develop scope of report with which to engage Aboriginal Interests	5	1-Apr-18	6-Apr-18	Done
Engage Takla/MLIB on short term/long term water use	22	9-Apr-18	1-May-18	
Develop draft short term water report on Aboriginal Interests	14	1-May-18	15-May-18	
Submit draft short term water report on Aboriginal Interests to Takla/MLIB	0	15-May-18	15-May-18	
Receive comments from Takla/MLIB	7	15-May-18	22-May-18	
Revise draft short term water report on Aboriginal Interests	10	22-May-18	1-Jun-18	
Submit short term water report on Aboriginal Interests	0	1-Jun-18	1-Jun-18	
Develop long term water report on Aboriginal Interests	26	15-May-18	10-Jun-18	
Submit draft long term water report on Aboriginal Interests to Takla/MLIB	0	10-Jun-18	10-Jun-18	
Revise draft long term water report on Aboriginal Interests	10	10-Jun-18	20-Jun-18	
Submit draft long term water report on Aboriginal Interests to EAO	0	20-Jun-18	20-Jun-18	
Phase 3				
MAPA M-236 (approved 25-Jan-18) Conditions: Updated Site-Wide Water Balance Model				
Engagement with Indigenous Groups, EAO and MMPO	423	1-Feb-18	31-Mar-19	Ongoing
Condition B.3(a) - Develop updated site-wide water balance model proposal	0	28-Feb-18	28-Feb-18	Done
Condition B.3(a) - Revise proposal based on Information Requirements received from EMPR and resubmit to EMPR	0	31-Mar-18	31-Mar-18	Done
Condition B.3(b) - Provide update to Chief Inspector on progress towards developing site-wide water balance	0	1-Jun-18	1-Jun-18	
Condition B.3(b) - Provide update to Chief Inspector on progress towards developing site-wide water balance	0	3-Sep-18	3-Sep-18	

Mount Milligan Permitting Plan - 2018/2019

Task Name	Duration	Start Date	Due Date	Comments
Condition B.3(b) - Provide update to Chief Inspector on progress towards developing site-wide water balance	0	7-Dec-18	7-Dec-18	
Condition B.3(c) - Include in Mine Plan and Reclamation report an updated site-wide water balance to Chief Inspector	0	31-Mar-19	31-Mar-19	
Condition C.1 - Updated 5 year mine plan; submitted every 5 years	0	31-Mar-19	31-Mar-19	
Phase 3 Water licence (C125689) amendment - Meadows Creek				
Development of Meadows Creek Amendment for Submission to Working Group	21	1-Feb-18	22-Feb-18	Done
Meadows Creek Water License Amendment application - Provide for initial review to Ind. Groups, EAO, MMPO and FLNRO	0	22-Feb-18	22-Feb-18	Done
Meadows Creek Water License Amendment application - Review and authorization of water license	36	22-Feb	30-Mar-18	No amendment required for 2018 (per FLNRO's guidance). Water Management Plan and memo for 2018 reviewed and approved.
Approved Meadows Creek withdrawal Authorization (2018)	0	30-Mar-18	30-Mar-18	Done
Phase 3 Section 10 WSA Use Approval (7002498) - Philip Lake 1				
Condition 7 - Duration of precedence for authorization	0	31-Oct-18	31-Oct-18	Last day of authorized pumping
Condition 12 - Removal of works within natural boundary of Philip Lake 1	0	30-Nov-18	30-Nov-18	
Condition 14 - Monthly reporting of stream flow, lake level and flow meter records	N/A	End of each month during pumping		Combined with EAC #3 Condition 11 monthly reports
Phase 4 Amendment #4 to EAC - Long-term Groundwater Use, Meadows Creek and infrastructure, Stockpile Expansion				
Total days to complete Amendment #4	165	2-Apr-18	14-Sep-18	
Engagement with Indigenous Groups, EAO and MMPO	225	1-Feb-18	14-Sep-18	Ongoing
Project Description/dAAIR - completed	28	2-Apr-18	30-Apr-18	
Submit Amendment #4 application for Review	31	15-Jun-18	16-Jul-18	
Amendment #4 Completed and Approved	59	17-Jul-18	14-Sep-18	
Phase 4 Authorizations BC Water Sustainability Act permits, Water licence amendment, Mines Act Permit amendment, Environmental Management Act Permit amendment(s) (as necessary), Section35(2) Fisheries Act authorizations (if necessary)				
Engagement with Indigenous Groups, EAO and MMPO	225	1-Feb-18	14-Sep-18	Ongoing
Draft review period	31	15-Jun-18	16-Jul-18	

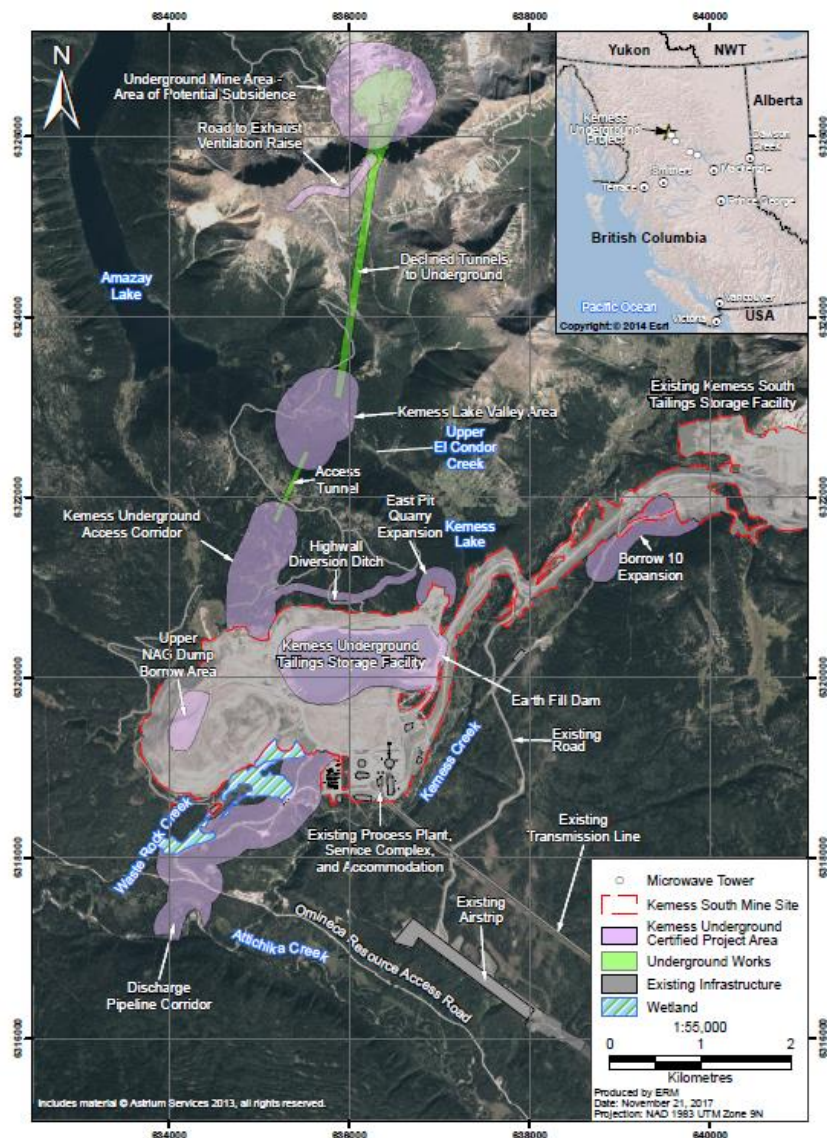
Mount Milligan Permitting Plan - 2018/2019

Task Name	Duration	Start Date	Due Date	Comments
Authorization/ Permit Issued	59	17-Jul-18	14-Sep-18	
Phase 5 Amendment #5 to EAC - Short Term Water Use (Surface Water 2019)				
Total days to complete Amendment #5	337	1-Mar-18	1-Feb-19	
Engagement with Indigenous Groups, EAO and MMPO	396	1-Jan-18	1-Feb-19	Ongoing
EAC #3 Condition 12 - Short term withdrawal plan for 2019	45	1-Mar-18	15-Apr-18	Extension received from EAO for proposal submission
Project Description/dAAIR - completed	136	1-May-18	14-Sep-18	
Submit Amendment # 5 application for review	27	17-Sep-18	14-Oct-18	
Amendment #5 Completed and Approved	109	15-Oct-18	1-Feb-19	
Phase 5 Authorizations BC Water Sustainability Act permits, Water licence amendment, Section35(2) Fisheries Act authorizations				
Engagement with Indigenous Groups, EAO and MMPO	396	1-Jan-18	1-Feb-19	
Draft review period	27	17-Sep-18	14-Oct-18	
Authorization/ Permit Issued	109	15-Oct-18	1-Feb-19	
Phase 6 Amendment #6 to EAC - Mine Expansion, Certificate Modernization and any outstanding LOM water sourcing				
Project Description/dAAIR - completed	31	15-Oct-18	15-Nov-18	Tentative dates, submit once Amendment 5 has been authorized
Submit Amendment # 5 application for review	78	15-Nov-18	1-Feb-19	Tentative dates; take into consideration time for Christmas break
Amendment #5 Completed and Approved	272	1-Feb-19	31-Oct-19	Tentative dates, plan for approx. 9 months for review
Engagement with Indigenous Groups, EAO and MMPO	381	15-Oct-18	31-Oct-19	Tentative dates
Phase 6 Authorizations BC Water Sustainability Act permits, Water licence amendment, Occupant License to Cut, Mines Act Permit amendment, Section35(2) Fisheries Act authorization (if necessary)				

Mount Milligan Permitting Plan - 2018/2019

Task Name	Duration	Start Date	Due Date	Comments
Engagement with Indigenous Groups, EAO and MMPO	381	15-Oct-18	31-Oct-19	Tentative dates
Draft review period	78	15-Nov-18	1-Feb-19	Tentative dates; take into consideration time for Christmas break
Authorization/ Permit Issued	272	1-Feb-19	31-Oct-19	Tentative dates

Kemess Underground Project



- Brownfield development project that will use much of the existing Kemess South Infrastructure
- 100% owned by Centerra Gold
- Underground block cave, gold-copper mine
- 25,000 tpd design capacity
- Mine life of 12 years
- Proven and probable reserves of:
 - 1.9 Moz of contained gold (0.54 g/t Au)
 - 0.6 Blbs of contained copper (0.266% Cu)

Kemess Underground Proposed Timeline



- March 2017: a positive Environmental Assessment Certificate/ Decision was received
- September 2017: Major Mines Permitting Office Application submitted
- Mid-2018: anticipated receipt of permits and start of construction
- 2018-2022: 4 year construction period
- 2022: First Production