



Mount Polley Mining Corporation

an Imperial Metals company

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COMMUNITY UPDATE

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**MPMC CARE & MAINTENANCE
ACTIVITIES CONTINUE
DURING COVID-19 PANDEMIC**

MPMC EVENTS

Quarter 1 2020

January 15th:

Implementation Committee (IC) Mtg – CANCELLED

February 1st:

Approved 2020 Effluent Permit (11678)

February 5th:

Public Liaison Committee Meeting in Williams Lake, BC

March 31st:

Annual Report Submitted

Quarter 2 2020

April 1:

Public Liaison Committee Meeting via Conference call

TBA:

Implementation Committee (IC) Mtg

Quarter 3 2020

July 8th:

Public Liaison Committee Mtg

Mount Polley employees are taking additional precautions to minimize the risks of COVID19 transmission and illness by following the proper health guidelines and procedures. All personnel are reporting to work.

Employees returning (from days off) and site visitors are required to fill out a COVID-19 Questionnaire before entering the site and will be turned away if showing symptoms of illness.

All personnel are following these preventative measures:

- ◆ Staying home if not feeling well or if feel they may have been exposed to the virus
- ◆ Social/Physical Distancing (2m/6ft apart)
- ◆ Use masks when traveling in a truck (more than one person)
- ◆ Proper and frequent hand washing or use of hand sanitizer regularly
- ◆ Cough/sneeze into elbow, sleeve, or tissue (and immediately disposing of the tissue) and washing hands afterwards
- ◆ Avoid touching face, eyes, nose or mouth with unwashed hands
- ◆ Keeping work areas (including trucks) and tools clean and hygienic by using disinfectant wipes

For further information about COVID-19, please refer to:

BC Centre for Disease Control

<http://www.bccdc.ca/health-info/diseases-conditions/covid-19>

BC Governments COVID-19 information page

<https://www2.gov.bc.ca/gov/content/safety/emergency-preparedness-response-recovery/covid-19-provincial-support>



MPMC Water Treatment Plant (WTP) Update

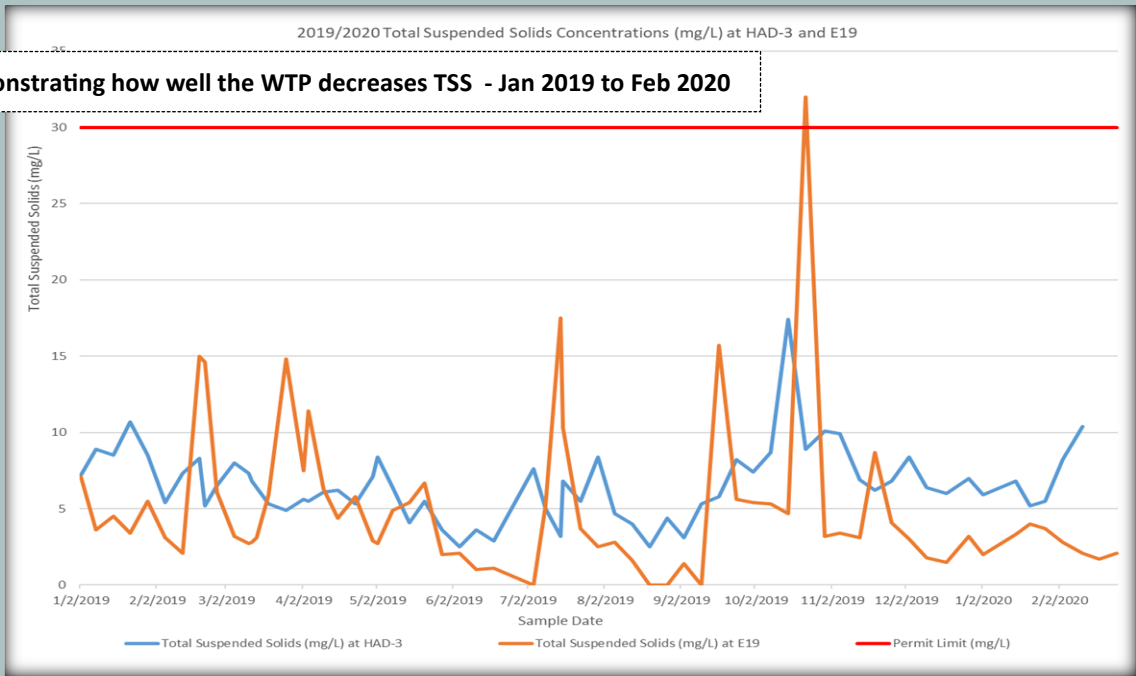
In Quarter 1, total treated water discharged to Quesnel Lake was 1,228,215 m³

The environmental team collected weekly water quality samples at end-of-pipe (HAD-3) as well as monthly (acute) and quarterly (sub-lethal) toxicity samples.

The discharge from the WTP was nearly continuous in Quarter 1 except three (3) incidents when the plant was temporarily shutdown due to equipment repair/replacement, copper threshold and exceedance concerns which were investigated and resolved, and for relocation of the Tailings Storage Facility (TSF) barge to accommodate upcoming freshet.

The WTP measures turbidity in Nephelometric Units (NTU) at the discharge in semi-real time, the instrument is calibrated and corrected to report in Total Suspended Solids (TSS) to reflect permit requirements for continuous monitoring. At the beginning of January, after numerous power outages in December & January, the TSS sensor failed which required the sensor to be replaced.

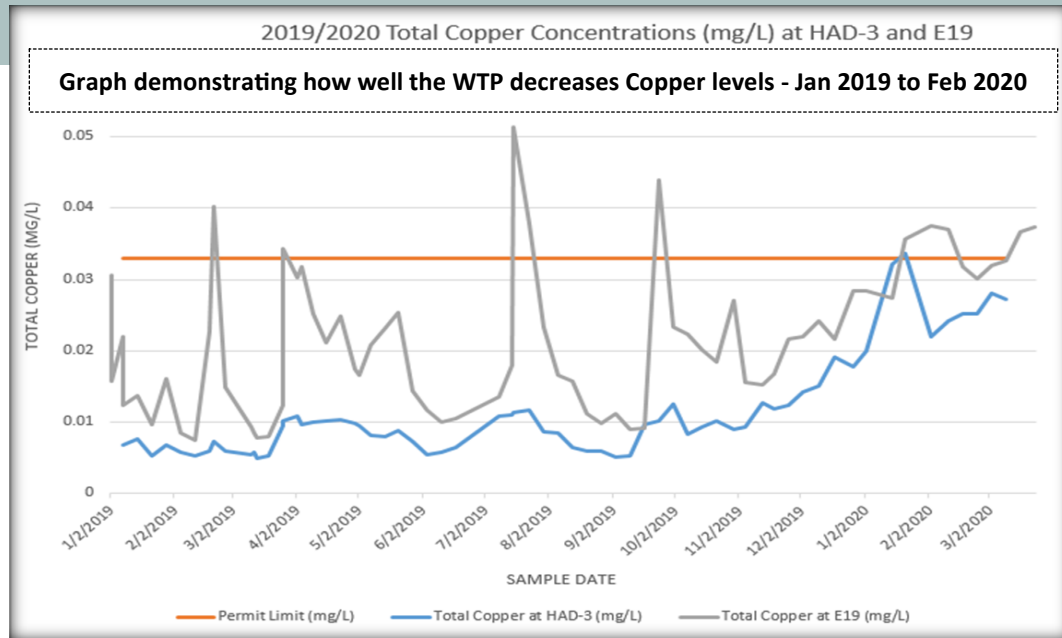
Graph demonstrating how well the WTP decreases TSS - Jan 2019 to Feb 2020



MPMC Water Treatment Plant (WTP) Update *continued*

As a part of the optimizations of the WTP, the heating in the plant was improved, reduction of reagents and coagulant with comparison to 2019 records.

A copper exceedance occurred at the WTP effluent (HAD-3) on January 21, 2020 which was resolved following investigation (re-sampling and data review). Total copper at HAD-3 was within 80% of the permit limit on March 10, 2020 and the cause is still under investigation. MPMC's responses were in accordance with the Trigger and Response Plan included in the Annual Discharge Plan (ADP). Total Copper spikes are reduced by the WTP as shown in the graphs below.



EXPLORATION AT MOUNT POLLEY MINE

Exploration was completed on December 20, 2019 and was conducted north of Mount Polley, Polley Lake and Bootjack Lake.

- ◆ A mobile metal ion (MMI) soil grid was used for exploration and target areas will be narrowed down using the raw data obtained.
- ◆ The airborne magnetic map generated shows the Mount Polley stock as well as an area of high magnetic activity to the northwest.
- ◆ A 3D Induced Polarization Grid was proposed as it is the ideal survey design.
- ◆ Chargeability Inversion Results – vertical slices from 50m to 500m in depth were obtained. We are interested in the higher chargeability areas.
- ◆ A Notice of Work (NOW) application will now be filed for mineral claims and a Deemed Authorization Permit will be submitted for expansion around the Springer and Cariboo Pits.



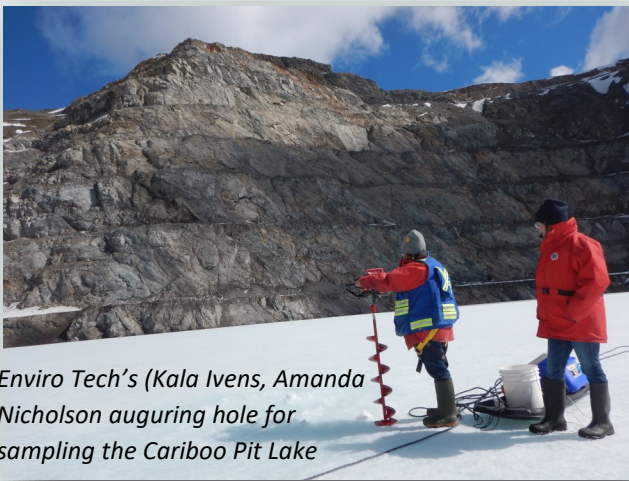
Hazeltine Creek—January 2020



Hazeltine Creek—February 2020



Hazeltine Creek—March 2020



Enviro Tech's (Kala Ivens, Amanda Nicholson) auguring hole for sampling the Cariboo Pit Lake

Environmental Monitoring Update

Environmental team: Matt O'Leary, Gabriel Holmes, Nina Solomon, Kala Ivens, Amanda Nicholson, Alicia Lalonde (DWB Consultant), Don Parsons (Corporate Office)

Quarter 1 monitoring completed:

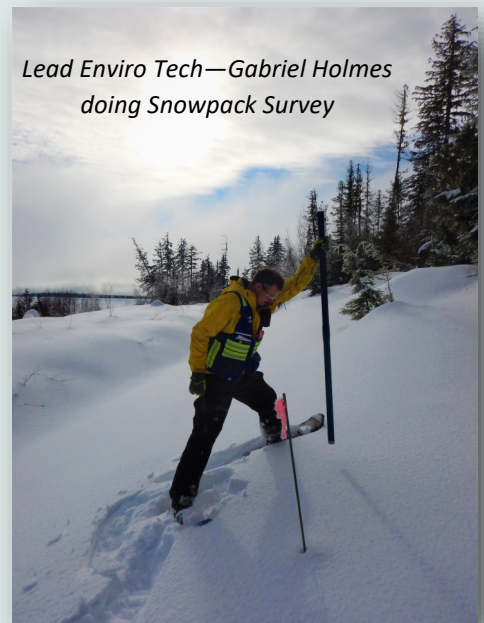
- ◆ Weekly Water Treatment Plant water quality sampling
- ◆ Monthly water quality sampling at Hazeltine Creek
- ◆ Monthly & Quarterly water quality sampling of surface & mine affected waters
- ◆ Polley Lake and Cariboo Pit Lake (under ice) sampling
- ◆ Monthly Snowpack measurements
- ◆ 2019 Annual Report—due/submitted to ENV March 31st

Remediation Work Update

- ◆ No remediation work is planned for the winter months. Substantial seed collection was conducted in the Fall of 2019
- ◆ The final designs of the lower Hazeltine Creek, Edney Creek are in progress.
- ◆ Most work scheduled for 2020 will be downstream of the Ditch Road
- ◆ Development of 2022 Water Management Plan with assistance from Golder Associates Ltd.

Challenges faced within Quarter 1 included snow removal for access to sampling sites, communication issues as well as ice limitations.

The monitoring schedule is centered on the Environmental Management Act (EMA) Permit and the most current Comprehensive Environmental Management Plan (CEMP) requirements.



Lead Enviro Tech—Gabriel Holmes doing Snowpack Survey

Visit the [Mount Polley Remediation Facebook](#) page; [Mount Polley Remediation](#) webpages on Imperial's website (<https://www.imperialmetals.com/our-operations/mount-polley-mine/breach-overview>) for the latest information of the MPMC remediation activities.