

**Federation Mining**

**Stakeholder Liaison Committee Meeting**

**December 2023**

# Attendees

The Stakeholder Liaison Committee was established during recent Resource Consent amendments to allow for regular and formal interaction between affected parties for the duration of the consent. The following organisations will be represented and invited to participate:

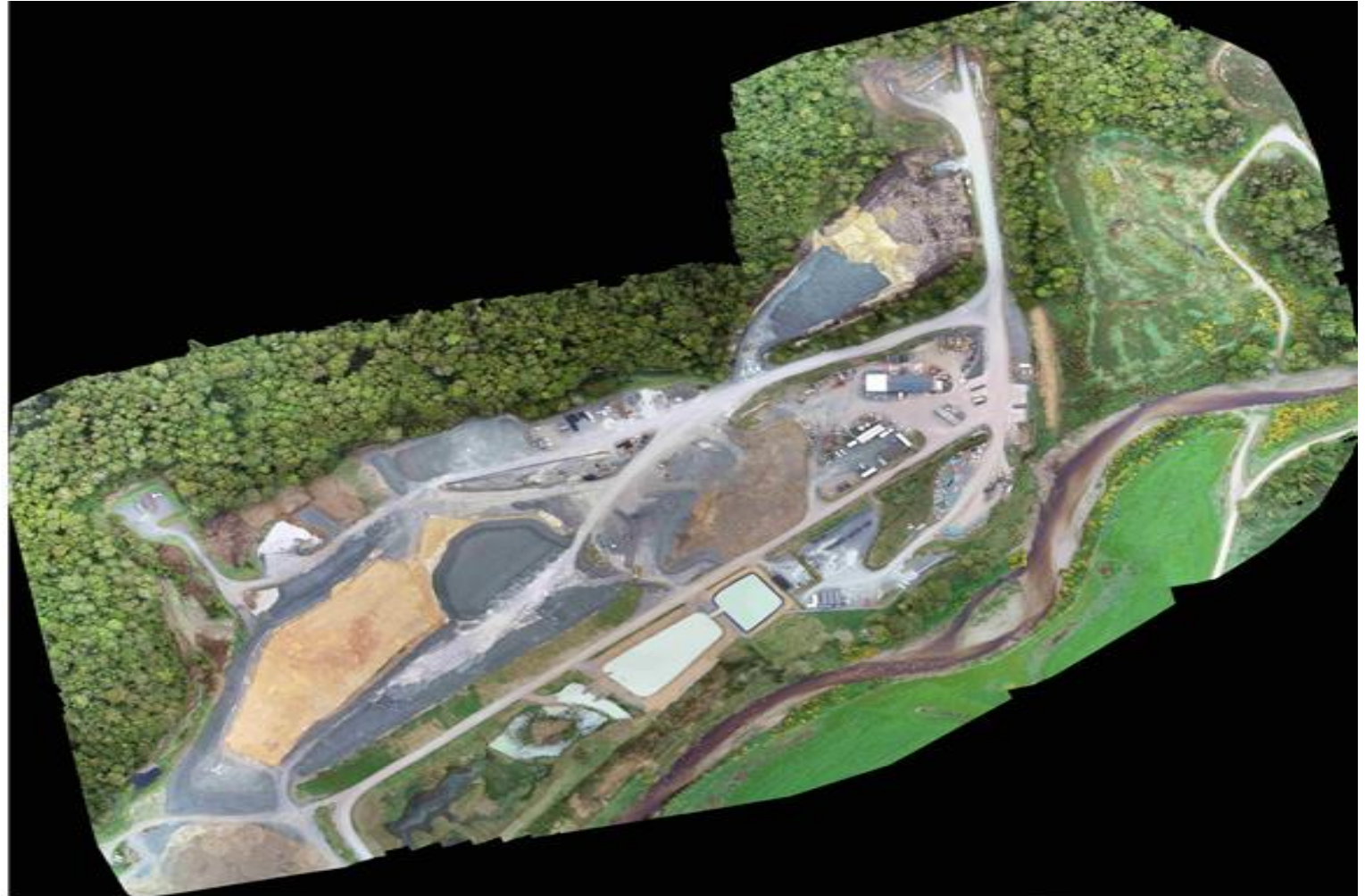
- Federation Mining
- OceanaGold
- West Coast Regional Council
- Buller District Council
- Te Rūnanga o Ngāti Waewae
- Department of Conservation
- Mine Waste Management (Advisory function)





# Online Meeting Agenda

- Introductions
- Action Items from previous meeting
- Presentation
  - Site update
  - Consent matters
  - Monitoring results
- Confirm follow up actions, Q&A



# Action Items From Previous Meeting

Actions arising from Stakeholder Liaison Committee Meeting – 18 July 2023

1. Discussion around the bond and payments made between FED and OGL. It was concluded that the bond was paid.

ACTION - WCRC to confirm the receipt of the payment with the accounts team.

OUTCOME – Confirmed

2. ACTION – Philippa requested that any non-compliances that are reported to council are also reported to Ngāti Waewae at the same time.

OUTCOME – Agreed



# Snowy River Mine Updates



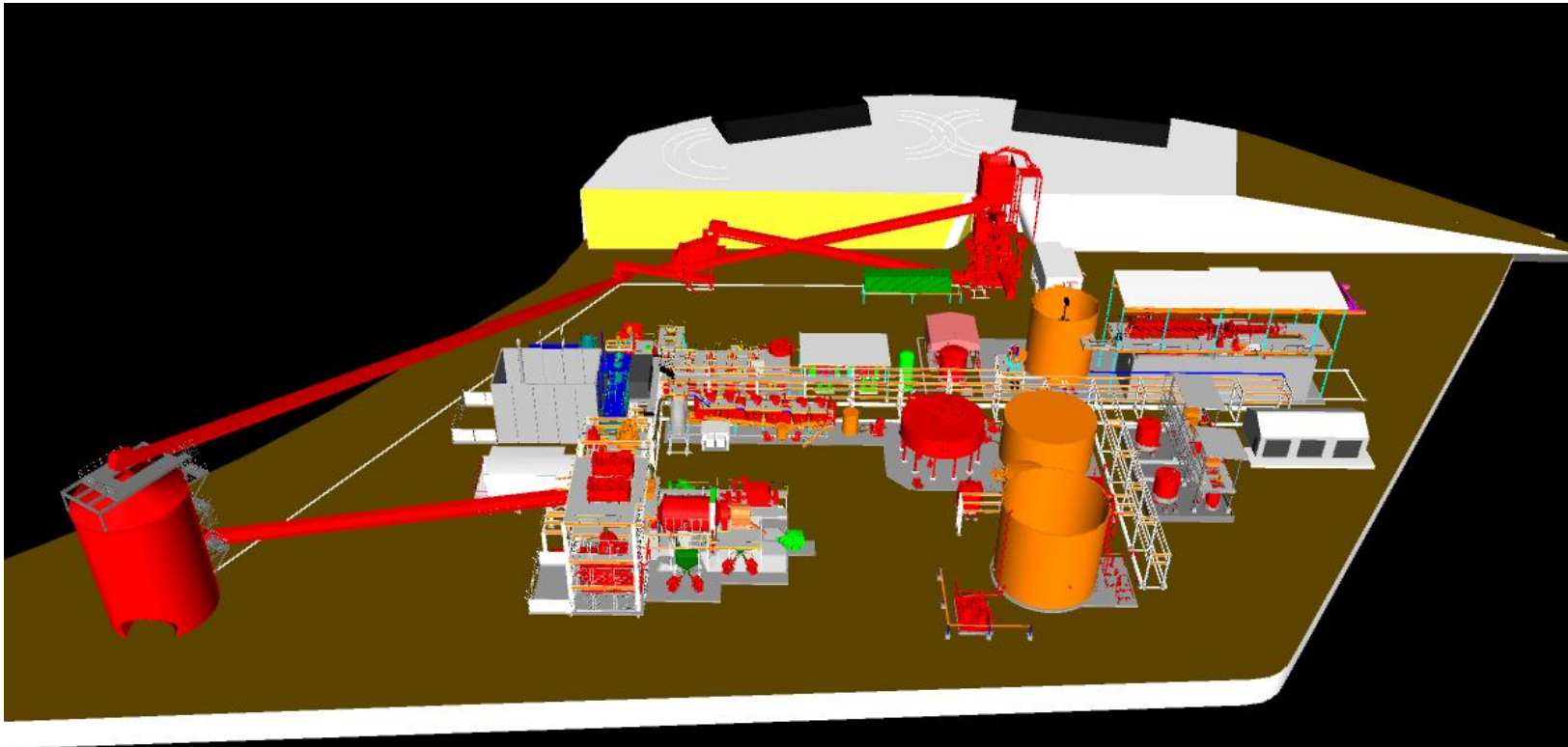
- Snowy River Mine now employs over 65 people directly and in directly onsite, 60% reside on the West Coast.
- Over 9000m of safe decline development has been completed across the twin declines.
- Extensive drill program underway - 60 holes with over 13000 metres complete
- Dewatering activities have commenced with ongoing risk assessments being completed. Technical studies are finalised post drilling.
- Initial payment to OGL in December 2023.
- Construction of the processing plant now planned for Mid 2024.
- Onsite ore processing to commence early 2025.
- Additional Resource Consent application underway for temporary construction lay down yard.





# Process Plant Update

- Plant design works have continued with the updated design now as pictured below.
- Modular plant will occupy 10,000m<sup>2</sup> of disturbed land.

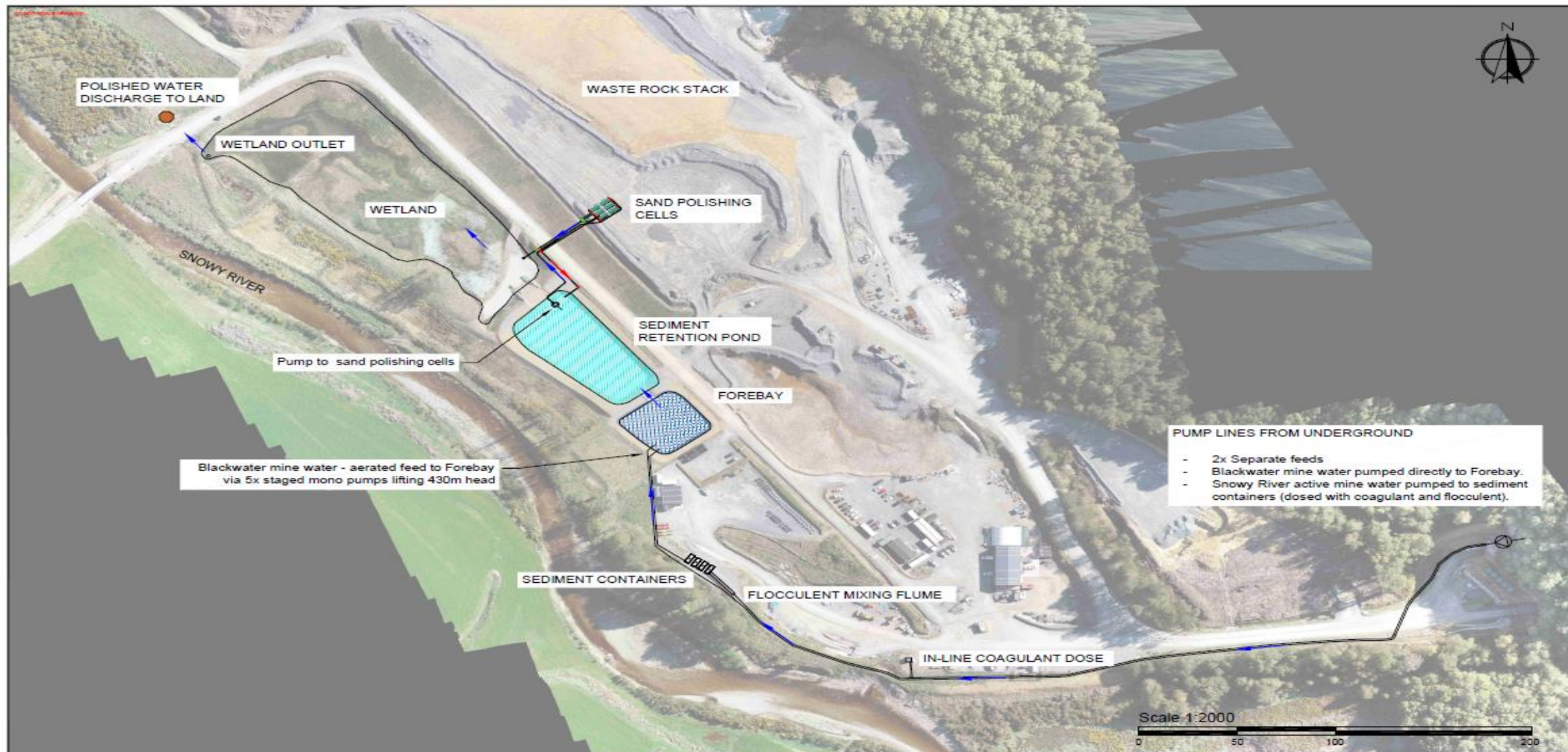


- Plant commissioning in early 2025.
- 50% Waste to be placed on surface waste rock stack and 50% underground in form of paste fill
- All water runoff from surface waste rock stack to be captured and treated
- Some ore treated with cyanidation and detoxified in circuit
- Work commenced on detailed engineering with Stantec.
- Geotechnical test work underway.

# Snowy River Mine Process Plant Update







PROJECT: SNOWY RIVER MINE

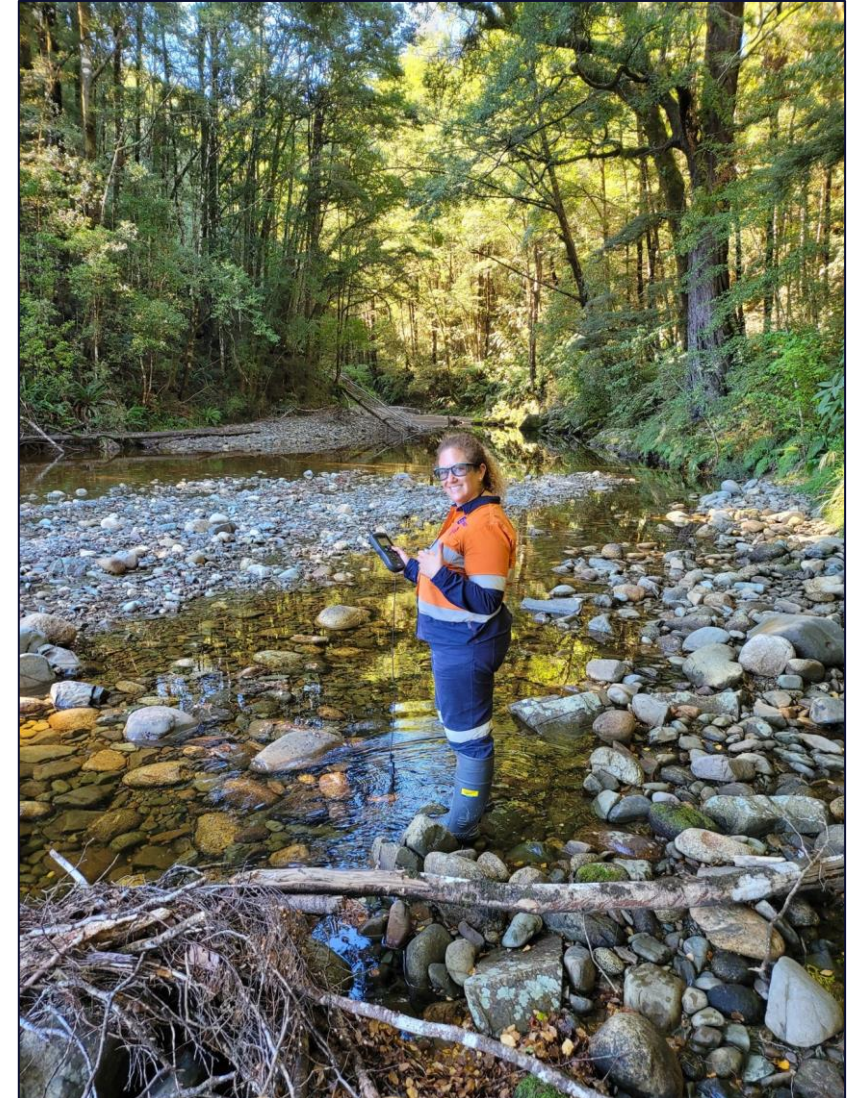
DESIGN: MINE DEWATERING TREATMENT

				DATE:	30/10/2023
				SCALE:	1:2000
				DRAWN:	A. Mayhead
				REVIEWED:	
1	FOR REVIEW	AM	OCT23	SURFACE LAYOUT	
NO.	REVISION	BY	DATE		
				DRAWING NO:	01
				REV:	1



# Environment

- The team have continued to undertake performance monitoring in and regulatory monitoring, allowing us to maximise our ability to protect the environment around us.
- An additional 800 native plants have been planted since the last meeting in July. We continue to support Trees That Count with our plants going onto the West Coast. Our funded trees to date is nearing 1000.
- Emissions data tracked by an external provider, Greenbase. Scope 1, 2 & 3 reviewed and reported for 2023.
- Snowy River manages waste streams with a program in place to recycle cardboard and metals.
- Settling ponds now complete.
- Continuing weed spraying quarterly on site.
- Pest control bait stations and traps around the site.
- Weather and additional environmental monitoring units installed.



# Community

Federation values the important role community organisations play locally. In addition to local jobs and work for local businesses, we have supported a range of projects and organisations including the below:

- Friends of Waiuta donation towards redevelopment of historic Waiuta Police Station.
- Reefton Jockey Club
- Life Education West Coast
- Duffy Books in Schools Programs
- Reefton Darts Club
- Community meetings and monthly newsletters





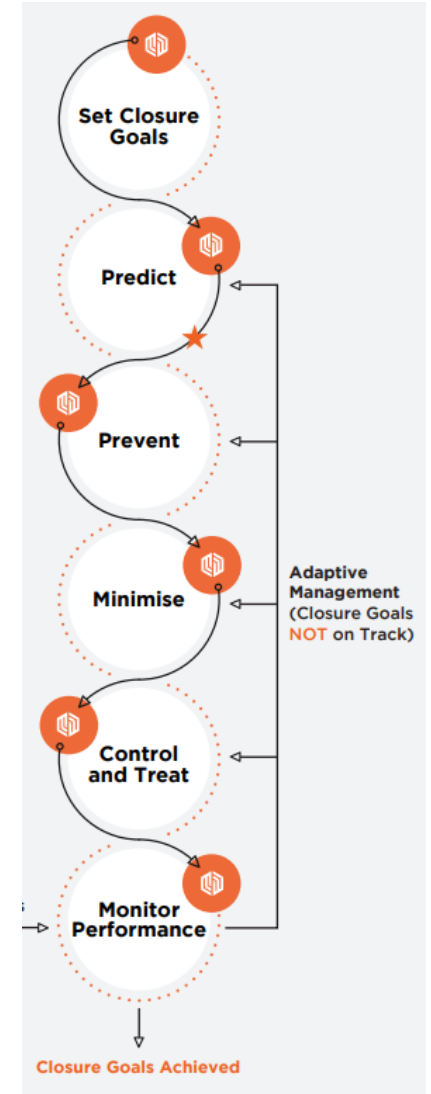
# Resource Consent Matters

- Annual Works plan work has commenced.
- 2024 Bond in two parts based on schedule.
- Water treatment polishing installed.
- Installed river monitoring device.
- Waste Rock Stack footprint.
- Batch plant – Delayed until 2024.
- Power line and electrical infrastructure upgrade consenting – in progress.
- State Highway intersection upgrade – Late 2024.
- Geochem review post drill program – Early 2024.
- Community feedback overview.
- Information share with DoC consultant.
- Community information line maintained.



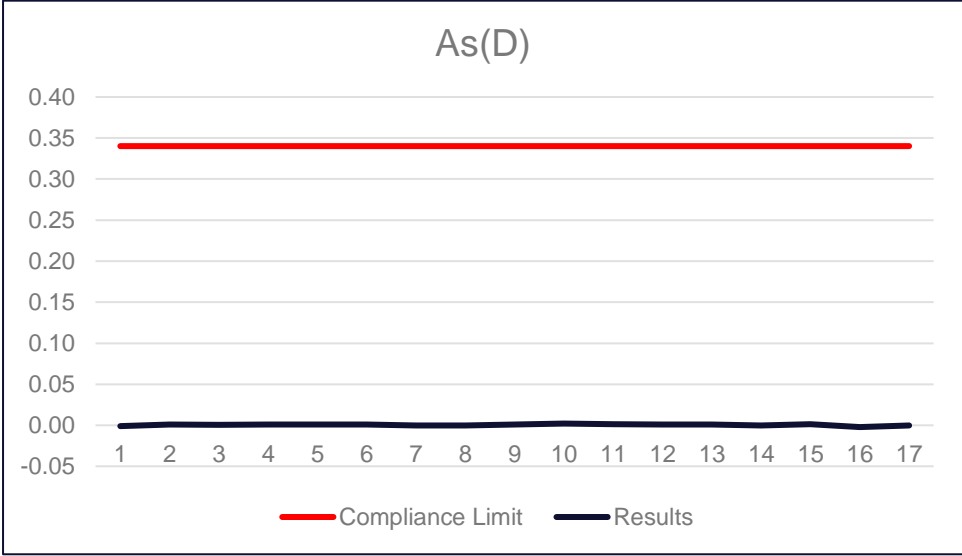
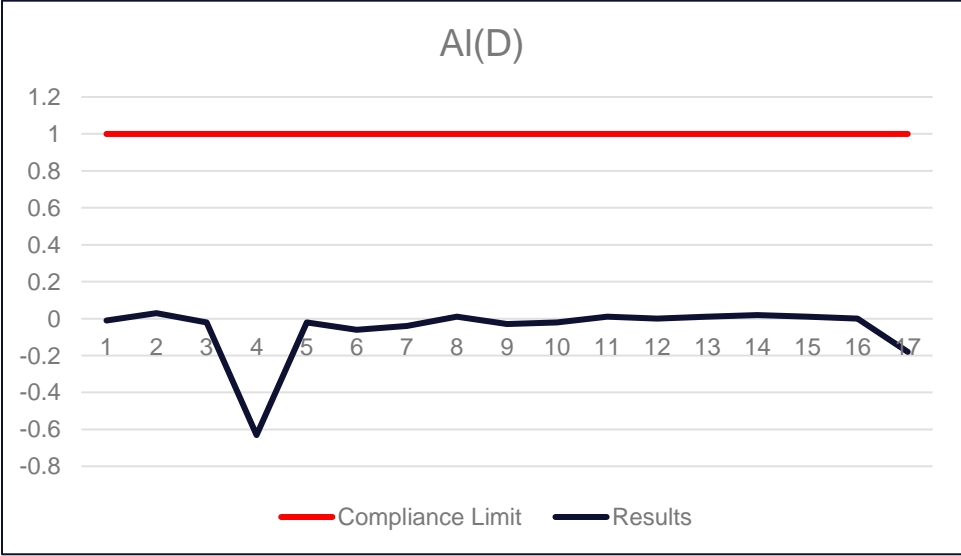
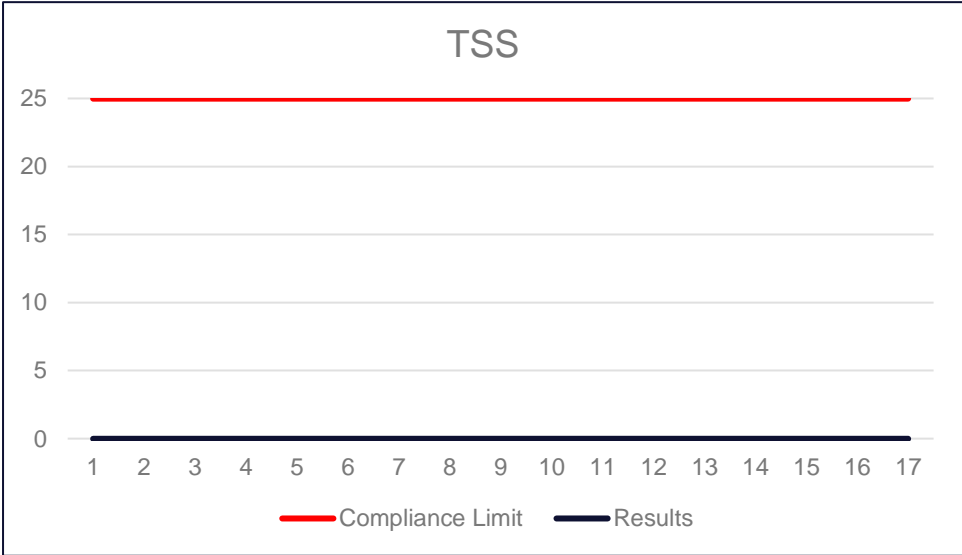
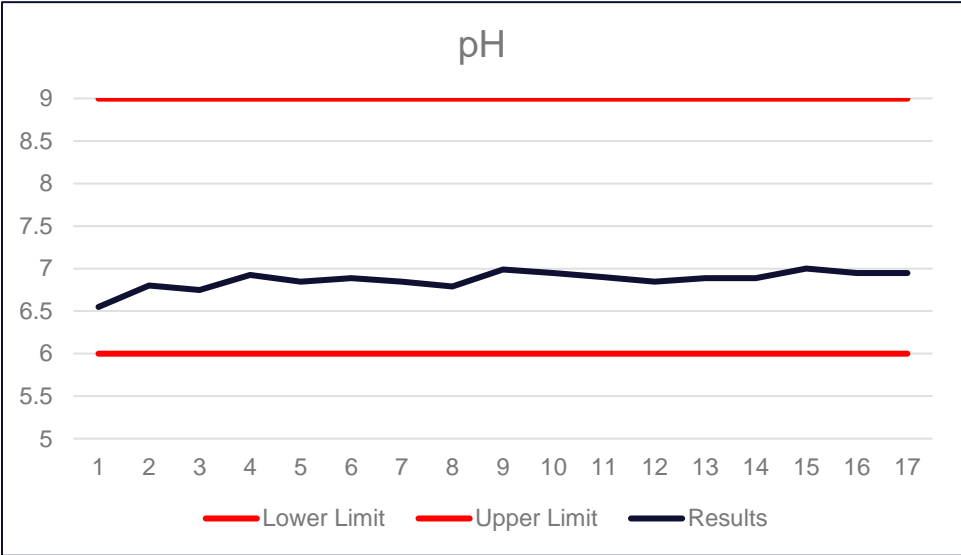
# Mine Water Workshop

- The concept of sharing and developing industry knowledge of mine water management was discussed with Francois Tumahai and was delivered with Dr Paul Weber of Mine Waste Management.
- Hosted by Federation in Christchurch, participants included representatives from OceanaGold, Bathurst Resources, Terra Firma Mining, West Coast Regional Council, Buller District Council and Te Rūnanga o Ngāti Waewae.
- The group worked through a series of technical modules as part of the two-day event that focused on Acid and Metalliferous Drainage - AMD – including risk assessment, source control and treatment and performance monitoring.
- The group is planning to come together again in 2024 to undertake some field visits on the West Coast.

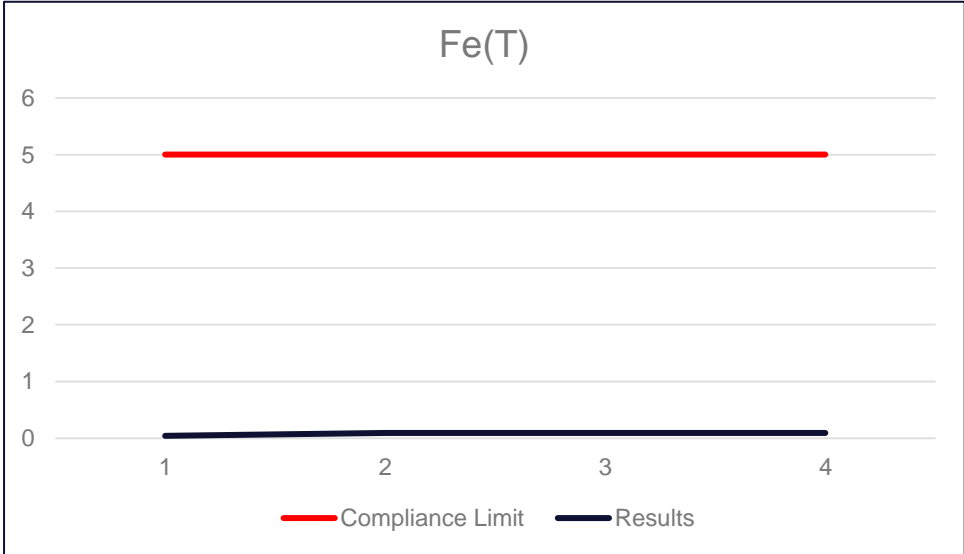
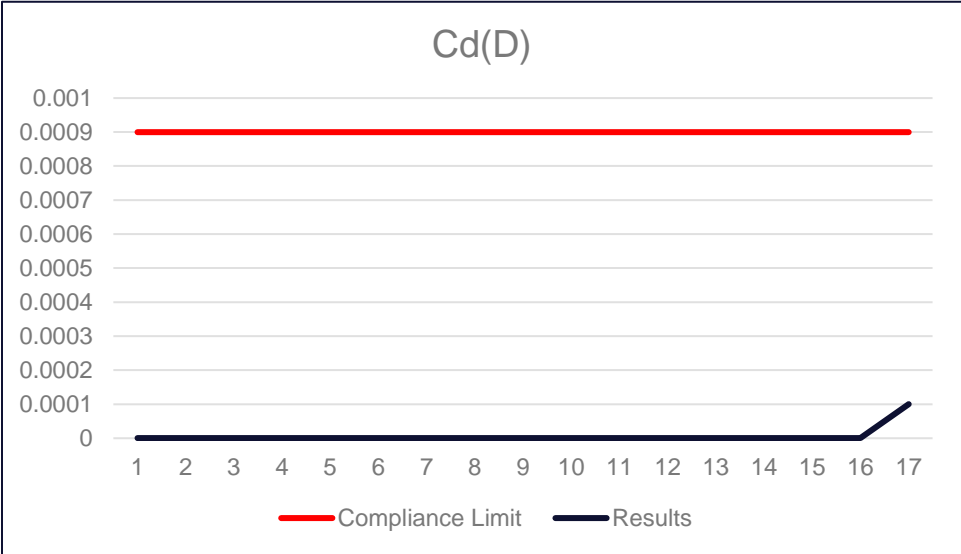
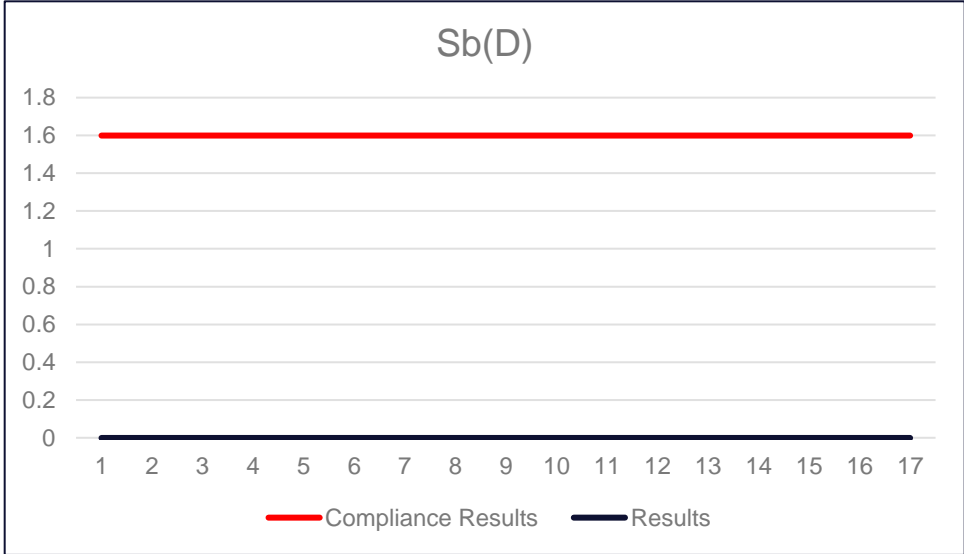
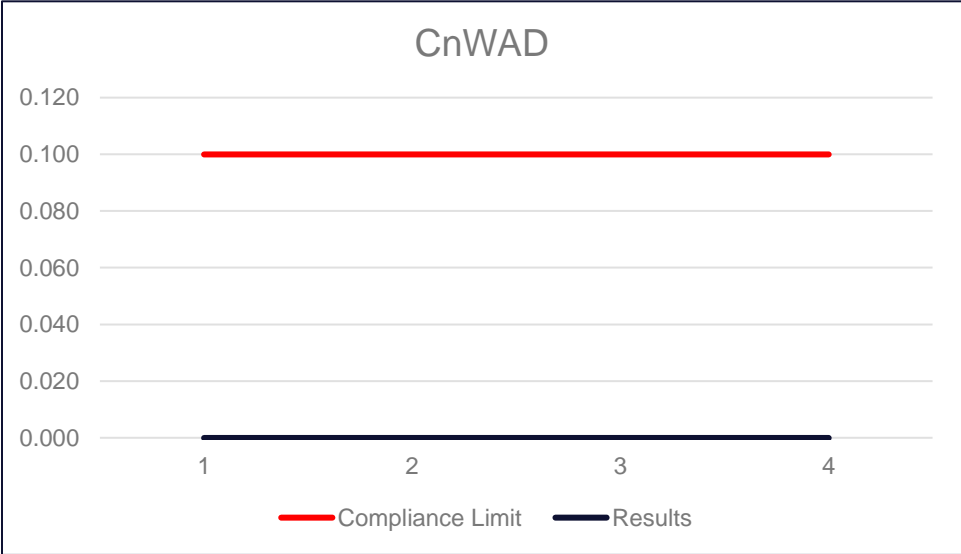




# Environmental Monitoring

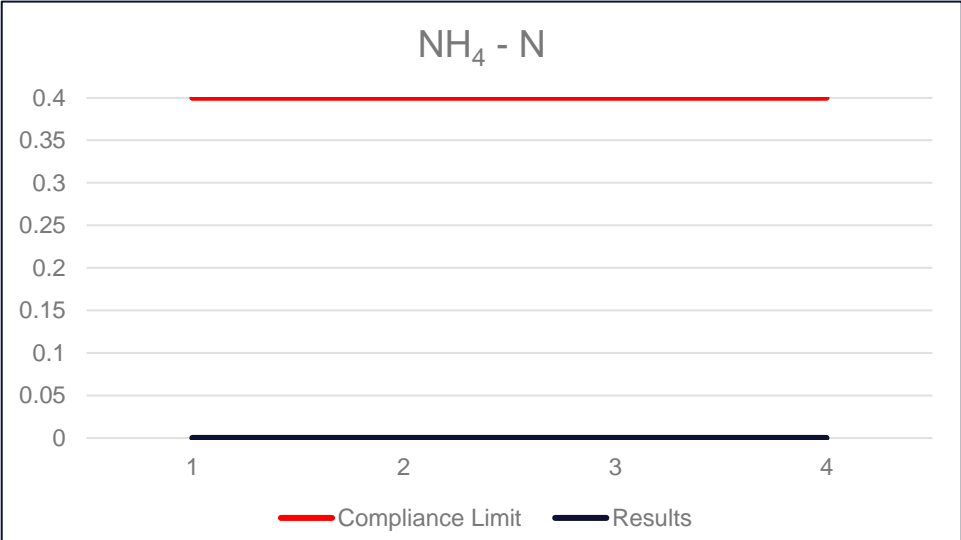
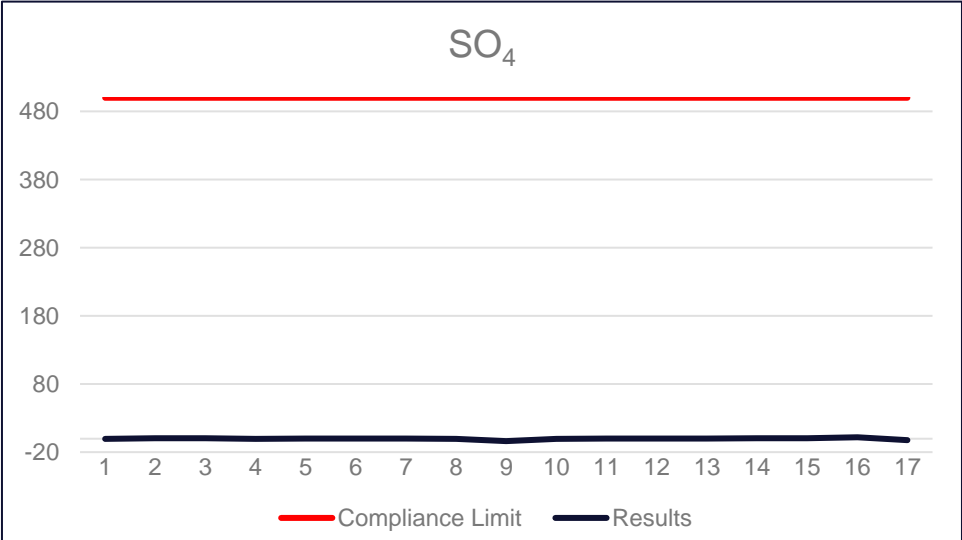
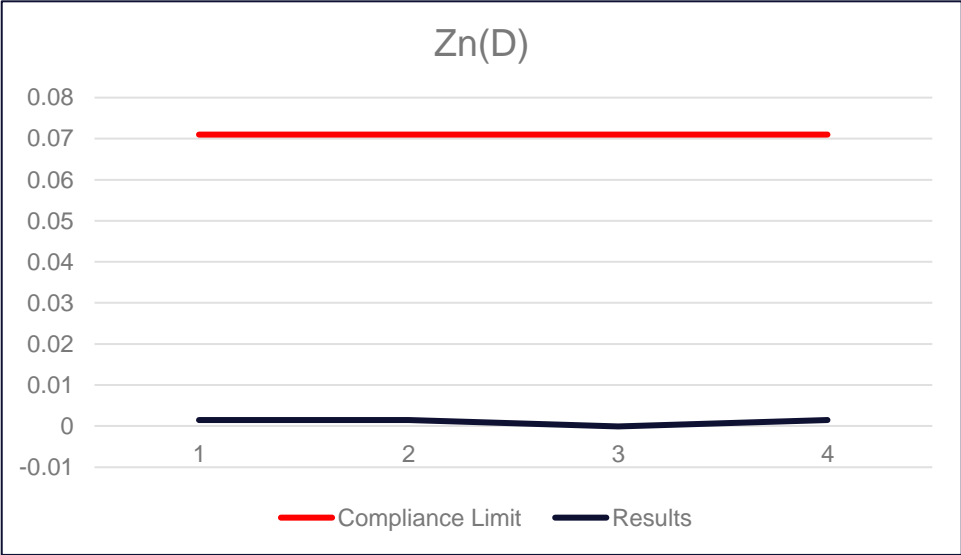
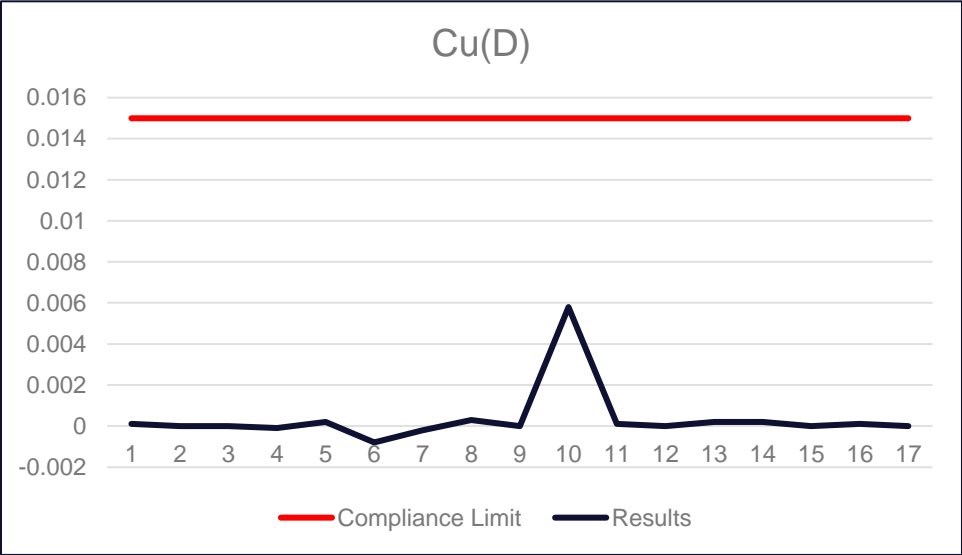


# Environmental Monitoring

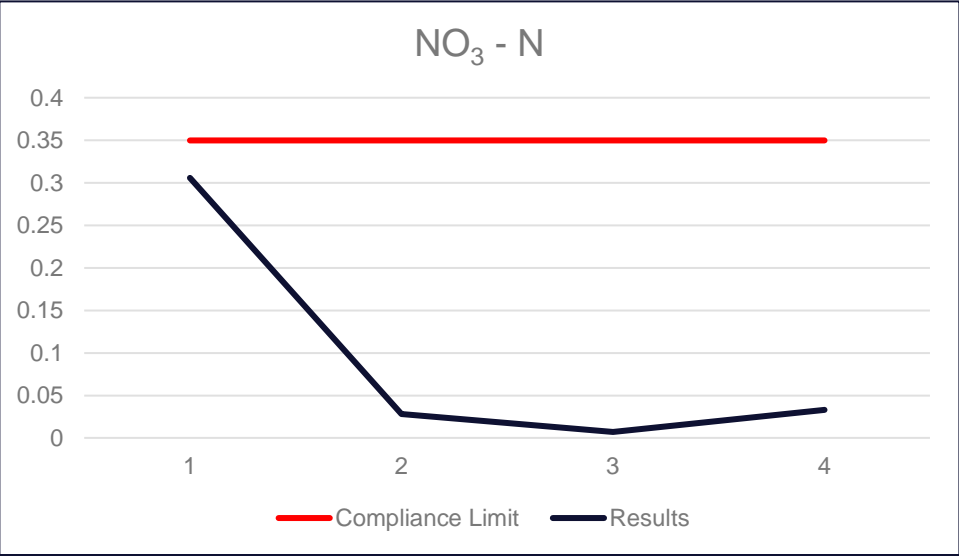




# Environmental Monitoring



# Environmental Monitoring



Symbol	Full name
PH	Potential of Hydrogen - Quantitative measure of the acidity or basicity
Al	Aluminium
TSS	Total suspended solids
As	Arsenic
CN	Cyanide WAD
Cd	Cadimuum
Sb	Antimony
Fe	Iron
Cu	Copper
Zn	Zinc
SO4	Beryllium sulfate
NH4	Ammonium Ion (nontoxic salt)
N02	Nitrogen Dioxide

# Stay In Touch



## Our Website

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## Community Contact Line

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## Follow Federation Mining on LinkedIn

