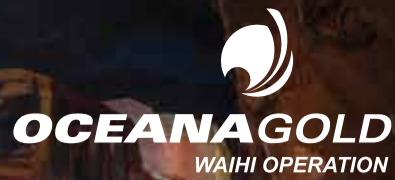


# OceanaGold UPDATE

25 July 2024



**The full report is available here...**

[www.waihigold.co.nz/uploads/documents/reports-and-plans/OceanaGold-NZ-Ltd---Waihi-Mine-Ventilation-Discharge---FINAL.pdf](http://www.waihigold.co.nz/uploads/documents/reports-and-plans/OceanaGold-NZ-Ltd---Waihi-Mine-Ventilation-Discharge---FINAL.pdf)

## AIR QUALITY MONITORING AT WAIHI

Earlier this year, an external air quality monitoring and dispersion project took place at the Waihi site and surrounding areas. *Air Matters Limited* completed the assessment and are specialised consultants in environmental air quality and workplace health exposure.

Since 2019, following an expansion of the Martha Underground Mine, the location of the ventilation system for our underground operations has been a roughly 6 m x 6 m portal at the bottom of the Martha Open Pit.

### METHODOLOGY

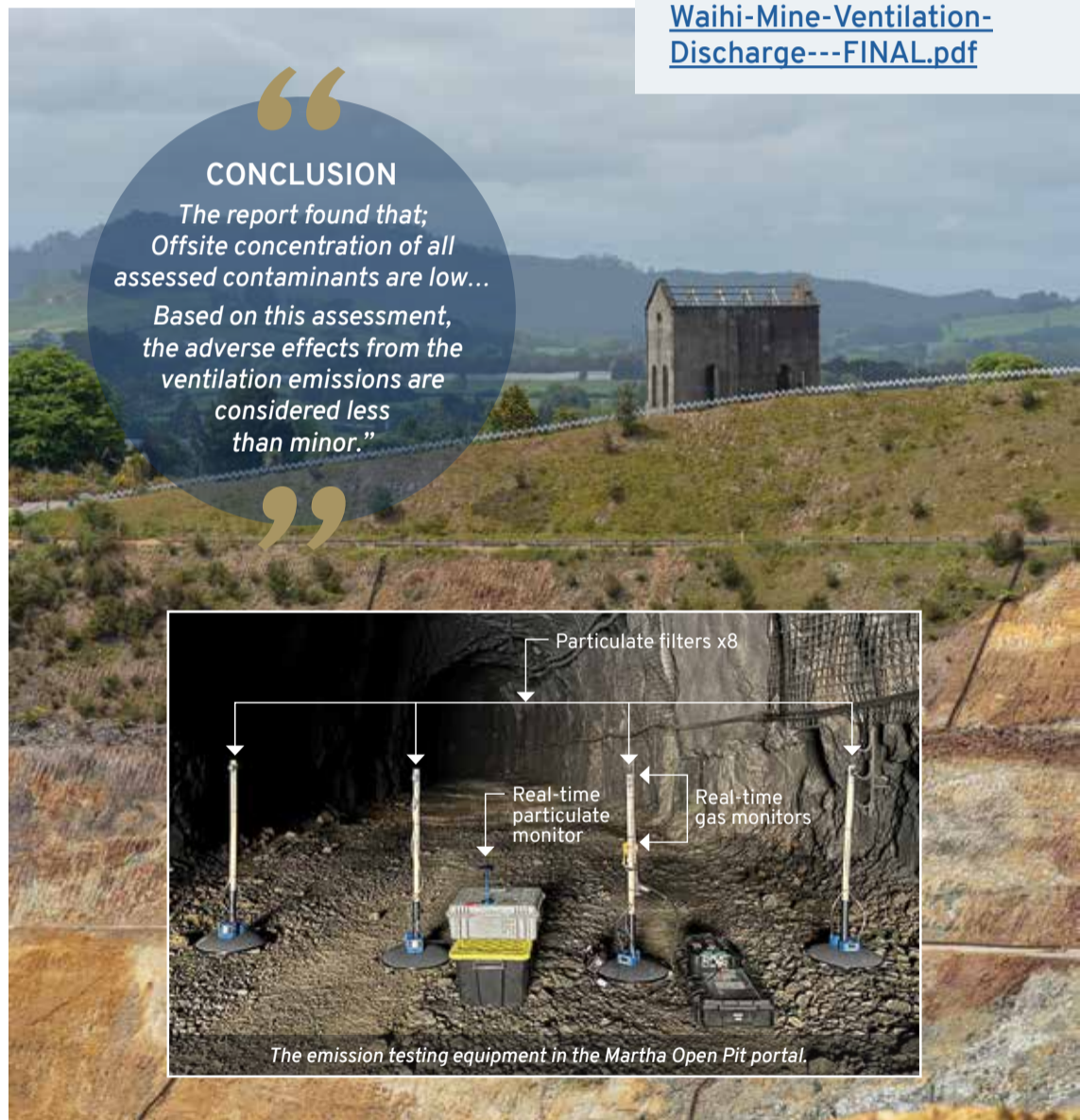
*Air Matters* monitored various levels of emissions at the portal in the base of the Martha Open Pit. Particulate matter, carbon monoxide, oxides of nitrogen, and crystalline silica were all measured and recorded throughout the testing period, which included several blast events.

Then, an air dispersion model was created using spatial information and weather data from the meteorological station located on the edge of the Martha Open Pit. This modelling accounted for wind speed, direction, temperature, rainfall, humidity, and solar radiation. The measured results at the source were then projected and overlaid on the wider area. The effects assessment followed standard dispersion modelling methodology as outlined in the Ministry for the Environment Good Practice Guide (2016).

### RESULTS

Overall recorded values at the point of exit in the Martha Open Pit were low, and in line with previous monitoring data from the Favona vent shaft.

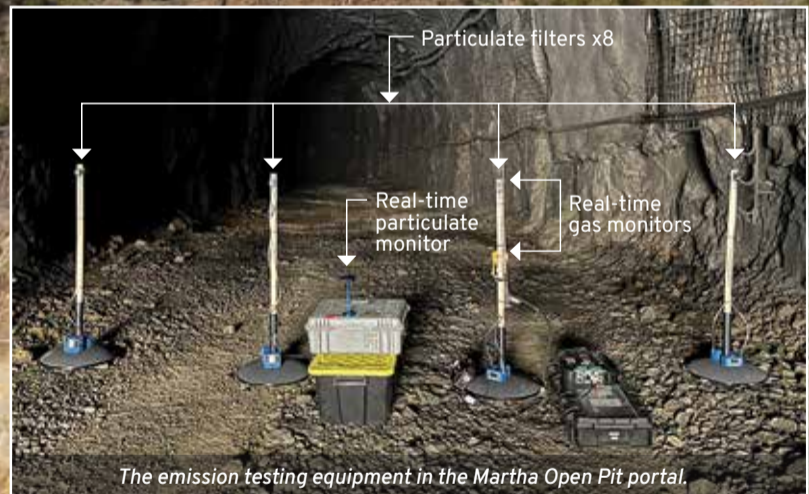
When 'atmospheric dispersion' to areas outside the Martha Open Pit is modelled, i.e. what happens to these particulates as they spread in the wind, these values would reduce even further. This is represented in the report as the 'modelled maximum off-site ground level concentration (GLC)'. For example, when dispersion of carbon monoxide from the ventilation discharge is modelled, the off-site GLC is expected to be 0.4 mg/m<sup>3</sup> over a one-hour average outside the Martha Open Pit, which is well below the 30 mg/m<sup>3</sup> criteria of the New Zealand Ambient Air Quality Guidelines. For context, the estimated background concentration of carbon monoxide in Waihi is 5 mg/m<sup>3</sup>.



### CONCLUSION

*The report found that; Offsite concentration of all assessed contaminants are low...*

*Based on this assessment, the adverse effects from the ventilation emissions are considered less than minor."*



The emission testing equipment in the Martha Open Pit portal.

SPONSORSHIP APPLICATION FORM  
[www.waihigold.co.nz/sponsorship-donations](http://www.waihigold.co.nz/sponsorship-donations)



## INVESTING IN OUR HOST COMMUNITY

### SPONSORSHIPS AND DONATIONS APPROVED IN THE PREVIOUS MONTH

Waihi Badminton Club	Purchase of shuttlecocks	\$1,000.00
Waihi Golf Club – Women’s Division	Vouchers for tournament prizes	\$1,000.00
Waihi Athletic Rugby & Sports Club	Re-sealing and marking-up carparks	\$9,000.00
Lions Club of Waihi	Printing costs for Garden Ramble event	\$1,400.00
Hauraki Waka Ama Club	Steers blade and safety bags	\$4,938.82
	<b>TOTAL</b>	<b>\$17,338.82</b>



IF YOU HAVE ANY QUESTIONS OR CONCERNS, PLEASE CONTACT US.

Community Engagement Line: 0800 924 444 | Project Information Office: 86 Seddon St., Waihi.  
Email us via our website: [www.waihigold.co.nz](http://www.waihigold.co.nz)

NOTE: WE ARE NOT CURRENTLY BLASTING IN THE MARTHA OPEN PIT. CHANGES TO THIS WILL BE NOTIFIED.