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Tomingley Gold Mine

COMMUNITY UPDATE

ISSUE 30 / MARCH 2023

ASX : ALK

Approval of the Tomingley Gold Extension Project

We were delighted to receive development consent for the Tomingley Gold Extension Project from the New South Wales Minister for Planning on 21 February 2023.

The project will extend our mining operations to the San Antonio and Roswell deposits immediately south of Tomingley.

The operation, including ongoing mining at Tomingley, is now approved until end-2032.

This will secure additional jobs for the region and extend our business arrangements with numerous local suppliers.

We have received approval for the development of an underground mine at Roswell and one large open cut (including three sub pits).

Our consent conditions also permit construction of a new section of the Newell Highway and realignment of Kyalite Rd; a higher processing rate of 1.75Mtpa; paste filling of underground stopes at Roswell (more on this in due course); and further wall-lifts to the second residue storage facility (RSF2) sufficient to contain the mine residue that may be produced.

What happens next?

Development consent is a major milestone for the project and means applications for the **Mining Lease** and **Environment Protection Licence** can now be progressed.



Processing plant at Tomingley Gold Operations

We anticipate this will take up to six months, with approval by the end of the current financial year.

Over this period, we will also be updating all **environmental and construction management plans**, which need to be approved by government regulatory bodies.

Mining at Roswell

Once the above administrative and regulatory compliance steps are completed, we intend to commence underground ore mining at Roswell before the end of 2023.

This will be made possible utilising the exploration drive extending from our Wyoming underground mine towards the Roswell resource.

Before the open cut development can commence, we need to complete the Newell Highway and Kyalite Road diversions. At this stage, we anticipate road construction to commence sometime in the next 12 months.

Other Site News

Second residue storage facility (RSF2)

Construction of RSF2 has progressed over the summer. We expect this construction project to be completed in June.

RSF2 will safely store processing residue for the next phase of our operations, including mining of the San Antonio and Roswell resources. Subsequent lifts of its retaining walls are included in the development consent for the Tomingley Gold Extension Project.

Over the past few months we have constructed a soil bund between RSF2 and the highway. In addition to improving visual amenity (especially once it's vegetated with grass), the bund provides a long-term stockpile of excavated topsoil, reserving it for future rehabilitation purposes.

The bund also plays a role in stormwater management for the site.

Progress of the exploration drive

The exploration drive extending from our Wyoming underground mine towards the Roswell resource is now approximately 2600m long. We have also completed a turn-out north of Roswell for the bottom of a second ventilation shaft (exhaust rise), which was approved last November.

Construction of the ventilation shaft is underway, with completion expected in July.

The exploration drive will enable underground exploration drilling of the McLeans prospect, which lies to the north of Roswell. Once the drive reaches Roswell, we intend to commence diamond drilling to infill the Roswell resource.

The drive will also provide the starting point for underground mining of the Roswell deposit, once we've secured the Mining Lease and Environment Protection Licence, and other administrative documentation is approved. We anticipate underground mining will commence by the end of 2023.

New Environmental Coordinator

Lachlan Maher has joined Tomingley Gold Operations as Environmental Coordinator, replacing the previous staff member in this role. He holds a Bachelor of Environment from Macquarie University.

Lachlan previously worked in the Health Safety and Environment department at the Perilya mine in Broken Hill (zinc, lead and silver). Prior to that he worked for Omya Australia at various quarries and processing plants in four states and New Zealand. We welcome Lachlan to the team and look forward to the contribution he will make at our operation.



New Environmental Coordinator Lachlan Maher

New access ramp for Wyoming One (MOD7)

We received approval to establish a new northern access ramp to the Wyoming One open cut (Modification 7 or MOD7) just before Christmas. This project commenced on 1 March.

The consent conditions require us to undertake erosion and geotechnical stability trials within the walls of the northern ramp. Towards meeting this condition, our draft Erosion and Geotechnical Stability Trial Plan was prepared in consultation with the NSW Resources Regulator and peer reviewed by independent geotech and erosion experts. This plan will next be submitted to the Department of Planning and Environment (DPE) for approval. Erosion specialist company Landloch has commenced the modelling work on the soil and rock materials that will be used in the trial.

Agriculture and land management

Land management plan

Following the approval of the Tomingley Gold Extension Project, our agriculture partner, Toongi Pastoral Company (TPC), is working to finalise the Land Management Plan.

Pictured is an “artist’s impression” that suggests how the land associated with the project will be used post mining. (Final allocation still to be finalised.)

The aqua areas represent pastures that will be managed by TPC for grazing and/or cropping during the life of the operation.

The dark green areas represent proposed revegetation zones and include the riparian zones along Gundong and Bulldog Creeks. In these zones we’ll focus on enhancing the biodiversity of flora and fauna.

The light green areas represent land that will be rehabilitated after mining has finished and returned to agricultural productivity.

The footprint that will not be returned to agriculture encompasses the open cut voids and possible waste rock emplacements.

Map Legend

Blue	Pasture / Grazing Paddocks
Light Green	Post mining Ag Rehab (Pasture)
Dark Green	Proposed Vegetation Protection (potential BDO)



Indication of post-mining land use

Water and fences

TPC is about to commence a staged water infrastructure project to support Alkane’s commitment to increase agricultural productivity of the residual land associated with the TGEP.

Over the next few years this will involve upgrading some of the dams and installing water tanks, pipes and troughs across the amalgamated properties.

Eulinda Park, which has shearing and stockyard facilities that will not be affected by the TGEP, has been earmarked

as TPC’s base of operations. In addition to the first stage of the water infrastructure project, new fences are about to be installed in the vicinity of the homestead and shearing sheds. Just in time for autumn lambing.

Elsewhere, approximately 7.5km of fencing is being installed along the western edge of the new Newell Highway corridor.

This will segregate pasture and revegetation areas from the impending construction works.

Exploration update

Results of passive seismic surveys

In our last newsletter we mentioned Alkane's exploration team was trialling a passive seismic survey technique to enhance understanding of rock sequences and structure – and help target gold exploration.

The technique was used to build a 3D model of seismic velocity (how fast vibrations move through the ground), which can be correlated with rock density. Our example shows a region approximately 200m below the surface in the Roswell area. Geologists combine this information with drilling results and other techniques to help build a more accurate picture of the rock structures.

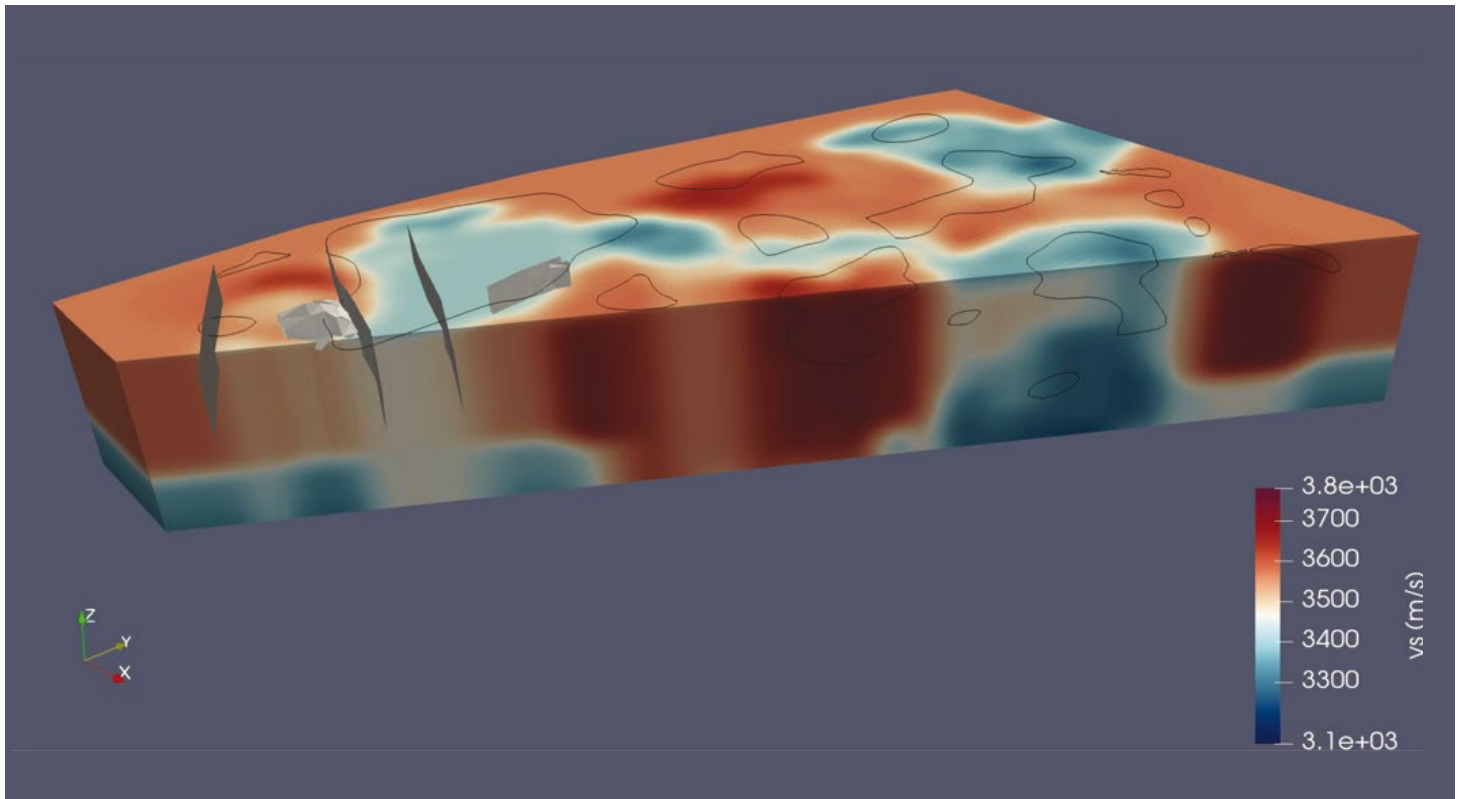
Drilling northwest of Tomingley

Over the summer, the exploration team embarked on an aircore drilling program at the Allendale, Glen Mona and Coldstream properties about 4km northwest

of Tomingley. These tenements are part of Alkane's Tomingley Gold Project, but the area hasn't been drilled in two decades.

To establish whether this area is worth pursuing for exploration, we've almost completed a systematic drilling program, where angled holes were drilled 100m apart along lines spaced 500m apart. When finished, we will have drilled almost 100 holes in total, which has taken two months.

Aircore drilling involves drilling down through the surface topsoil and old river sediments (sands and clays, which can be up to 2.5 million years old), through weathered rock, to reach "fresh" rock (approximately 450 million years old). The fresh rock is very hard and the aircore drill bit can only sample a small amount; but this should provide enough information to help us decide whether deeper drilling is warranted.



3D model of seismic velocity approx. 200m below surface

Peak Hill Honours project

Alkane is delighted to be supporting University of Tasmania Geology student, Millie Young, to complete her Honours project in 2023.

Millie's project will use a range of laboratory techniques to examine the mineral profile at Peak Hill Gold Mine.

She hopes to generate a 3D model of how the minerals change, which will improve our understanding of how the deposit formed – in particular, to find the direction the superhot fluids flowed from, when the deposit formed hundreds of millions of years ago.

Overall, Alkane would like to get a better idea of whether there are any further mineralised zones at Peak Hill and how deep they could theoretically extend.

To kick off her project, Millie recently spent a couple of weeks on site at Peak Hill Gold Mine, collecting samples within the existing open cuts and drill holes.



University of Tasmania geologists visited Peak Hill Gold Mine

Community

New funding agreement

With approval of the Tomingley Gold Extension Project, Tomingley Gold Operations has signed a new Voluntary Planning Agreement (VPA) with Narromine Shire Council.

This has increased the funding we provide towards community projects (via the submissions-based community fund), council environmental projects and shire road works (separate from the road realignments we will undertake as part of the project).

Under the new VPA, our annual funding contribution will increase by approximately a third, with some of this to be added to the community fund. Submissions for the first round of the community fund this year have closed. The second round of applications is due to open in August/September 2023.

Community Consultative Committee

The Tomingley Community Consultative Committee (CCC) continues to meet quarterly, with minutes posted on the Alkane website.

The committee consists of local community members, a representative of Narromine Shire Council, and the Tomingley Gold Operations Environment and Community Manager. Other Alkane employees frequently attend the meetings as well.

If members of the community have queries about any of our activities, contacting a member of the CCC is a great place to start.

Contact details are available on our website. The first meeting for 2023 was held on 23 February. The balance of this year's meetings have been scheduled for May, August and November.

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