



TOMINGLEY
GOLD OPERATIONS PTY LTD
(A wholly owned subsidiary of Alkane Resources Ltd)

Tomingley Gold Operations

Blast Management Plan



TABLE OF REVISIONS

Revision Number	Revision Date	Prepared by	Approved by	In consultation with	Comments
Revision 1	28 October 2013	Kym Mosey	Sean Buxton	EPA, TfNSW & NC	Submitted for Consultation
Revision 2	3 February 2014	Kym Mosey	Sean Buxton	EPA, TfNSW & NC	Submission for approval following consultation
Revision 3	25 February 2015	Mark Williams	Sean Buxton	EPA, TfNSW & NC	Annual review
Revision 4	24 February 2015	Mark Williams	Sean Buxton	EPA, TfNSW & NC	Annual review
Revision 5	11 May 2016	Mark Williams	Sean Buxton	EPA, TfNSW & NC	Update to including WY1 Blasting
Revision 6	15 September 2016	Mark Williams	Sean Buxton	EPA, TfNSW & NC	Update following MOD 3 approval
Revision 7	21 November 2021	Jenna Lehmann	Jason Hughes	EPA, TfNSW & NC	Update following Mod 5 approval
Revision 7	14 July 2022	Jenna Lehmann	Jason Hughes	EPA, TfNSW & NC	Update to address DPE RFI on Revision 7 Update following MOD 6 approval
Revision 7	September 2022	Jenna Lehmann	Jason Hughes	EPA, TfNSW & NC	Further update to address DPE RFI on Revision 7
Revision 8	February 2024	Rod Linnett	David Pritchard	EPA, TfNSW & NSC	Update following Approval of SSD 9176045

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1 Introduction and Scope

This Blast Management Plan (Plan) has been updated in accordance with relevant conditions outlined in Development Consent (SSD 9176045) which was granted in February 2023, for the development of the Tomingley Gold Extension Project (TGEP). A subsequent modification (Mod1) was approved in August 2023.

This Plan will manage all open cut and underground blasting activities for the Tomingley Gold Operations (TGO) and TGEP. Operation of TGEP falls under TGO and will hereby be referred to as TGO or the Project. This Plan will be used by TGO personnel as the first point of reference for blast management.

(TGO) is a wholly owned subsidiary of Alkane, located immediately south of the village of Tomingley and approximately 38km south of Narromine in Central West New South Wales.

Initial Project Approval (PA 09 0155) was granted in July 2012 with the mining lease issued in 2013. The Project includes a processing plant with associated residue storage facilities (RSF1 and RFS2).

The gold processing plant was commissioned in January 2014 and is designed to process up to 1.5 million tonnes per annum (Mtpa). The processing plant will be upgraded to process up to 1.75Mtpa following Development Consent SSD 9176045.

The four existing open cut pits at TGO are Wyoming One (completed 2019), Wyoming Three (completed 2015), Caloma One (completed 2023) and Caloma Two (completed 2019).

Underground mining development commenced in 2019 from the base of Wyoming One open cut with underground mining taking place in the Wyoming and Coloma ore bodies.

TGEP consists of the San Antonio and Roswell deposits which will be mined via open cut and underground methods.

This Blast Management Plan sits under the overarching Environmental Management Strategy for the Project and with other Environmental Management Plans, forms the basis for environmental management at TGO.

2 Legislative Requirements

2.1 Legislative Framework and Approval

TGO operates under Development Consent (SSD 9176045) where mining operations may be carried out until 31 December 2032. A summary of development conditions and where they are addressed in this plan is included in Appendix 1.

Development Consent Condition B25 requires the preparation of a Blast Management Plan (this Plan). The requirements for the Management Plan are listed in Condition D5.

TGO operate under Environmental Protection Licence 20169 (EPL 20169) issued by the NSW Environment Protection Authority. EPL Condition L5 outlines blast criteria consistent with the Development Consent. These conditions are reproduced in section 5.1 of this Plan.

3 Consultation

The revision and distribution of this plan has occurred as follows:

- Narromine Shire Council - Revision 1 of this plan was submitted to NSC on 29th October 2013.
- NSW Office of Environment and Heritage – Revision 1 of this plan was submitted to OEH on 29th October 2013.
- NSW Roads and Maritime Services – Revision 1 of this plan was submitted to RMS on 29th October 2013. Further correspondence was issued to RMS on the 17th December 2013. Telephone discussions were had with RMS on 24 January 2014 and 28th January 2014. Revision 2 was created following confirmation RMS is agreeable to temporary road closures whilst blast trials are conducted or if a risk assessment can be carried out to demonstrate road closures are unnecessary, rather than locking in temporary road closures for the life of mine. Note: Revision 2 relates to RMS matters only no changes were made in relation to any other matter.
- Revision 6 was referred to the EPA, RMS, OEH and Narromine Shire Council on 29th November 2016. All agencies confirmed that they had no additional comment on the document. No response was received from NSC. Revision 6 was approved by DPE on 23rd December 2016.
- Revision 7 was submitted for consultation via the DPE Major Projects portal in December 2021 with responses received from the NSW EPA and Narromine Shire Council on the 21st and 27th December 2021.
- Revision 8 was completed by Mr Rod Linnett from Muller Acoustic Consulting. TGO was required to have the Blast Management Plan written by a suitability qualified person whose appointment was endorsed by the Planning Secretary. Rods appointment was endorsed on 24/05/2023 by a nominee of the Planning Secretary (Appendix 3).

Consultation records are stored in TGO’s Consultation Record Register and will be produced on request. **Table 1** contains a summary of comments from Narromine Shire Council, TfNSW and a Request for Further Information (RFI) from the Department of Planning, Housing and Infrastructure (DPHI). **Table 1** also details how these comments have been addressed.

Table 1 – Consultation Summary

<i>Condition</i>	Sufficient (Yes/No/ Partial)	Action Required	Company Response
Blast Management Plan B25. The Applicant must prepare a Blast Management Plan for the development to the satisfaction of the Planning Secretary. This plan must:			
f) includes a review mechanism and contingency measures if blasting	No	Include a review and contingency measure	A review and contingency plan for unpredicted impacts is detailed in

Condition	Sufficient (Yes/No/Partial)	Action Required	Company Response
causes amenity impacts at levels below the relevant criteria;		in the Management Plan	section 6.4 covering how unpredicted impacts (at levels below or above the blasting criteria) can be identified, and then addressed.
<p>Adaptive Management Condition D4 Schedule 2 Part D</p> <p>The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and performance measures in this consent. Any exceedance of these criteria or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <ul style="list-style-type: none"> a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not recur; b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and c) implement reasonable remediation measures as directed by the Planning Secretary. 	Partial	Include Risk Assessment as an Appendix or provide greater detail in the document.	Risk Assessment added into Section 4
<p>Management Plan Requirements Condition D5 Schedule 2 Part D</p> <p>Management plans required under this consent must be prepared in accordance with relevant guidelines, and include where relevant:</p>			
a) summary of relevant background or baseline data;	No	No baseline/background data provided. Suggest using available baseline data from previous Tomingley (pre SSD) operations (i.e blast trends/averages)	<p>A summary of background data has been included in Section 6.2 of the plan. As not every blast (particularly the underground ones) is detectable, only the results that have been recorded by the dyanmaster units have been included.</p> <p>No Summary included in Section 6.2, Appendix 2 just shows a screen shot from the monitoring system database, Section 6.3 contains Table 6 shows 'Proportion of blasts detected each year' but only for years 2021, 2022 and 2023.</p>

Condition	Sufficient (Yes/No/Partial)	Action Required	Company Response
			<p>The summary should include statistics on:</p> <ul style="list-style-type: none"> - the total number of blasts that occurred at TGO operations; - Maximum overpressure and vibration recorded during those blasts; - Average overpressure and vibration throughout the blasting at TGO; and - the number of exceedances to occur for those blasts. <p>Table 6 has been updated to include this information.</p>
<p>f) contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;</p>	No	<p>No contingency plan detailed in Management Plan. Suggest adding to Section 6.</p>	<p>A review and contingency plan for unpredicted impacts is detailed in the section 6.4 covering how unpredicted impacts (at levels below or above the blasting criteria) can be identified, and then addressed.</p>
<p>g) a program to investigate and implement ways to improve the environmental performance of the development over time;</p>	No	<p>Include a program that investigates and implements ways to improve environmental performances.</p>	<p>Due to the low number of detected blasts and the even lower number of felt blasts, it is unlikely that improved performance can be achieved. Section 6.3 notes that each detected blast has its results reviewed by a member of the environmental department. Should blasts results be unusually high or begin trending the average result upwards, TGO will investigate causes to see if blasts can be designed to ensure the environmental performance of site does not degrade.</p>
<p>Annual Review Condition D10 Schedule 2 Part D By the end of September each year after the date of physical commencement of development under this consent, or other timeframe agreed by the Planning Secretary, a report must be submitted to the Department reviewing the environmental performance of the development, to the satisfaction of the Planning Secretary. This review must:</p> <p>a) describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year;</p> <p>b) include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, including a comparison of these results against the:</p>	Partial	<p>Section 8 details that an annual review occurs, and includes a “comprehensive review of the site environmental performance”</p> <p>Update Section 8 to include this condition.</p>	<p>Section 8.2.4 updated.</p>

Condition	Sufficient (Yes/No/Partial)	Action Required	Company Response
<p>(i) relevant statutory requirements, limits or performance measures/criteria;</p> <p>(ii) requirements of any plan or program required under this consent;</p> <p>(iii) monitoring results of previous years; and</p> <p>(iv) relevant predictions in the document/s listed in condition A2(c);</p> <p>c) identify any non-compliance or incident which occurred in the previous financial year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence;</p> <p>d) evaluate and report on compliance with the performance measures, criteria and operating conditions of this consent;</p> <p>e) identify any trends in the monitoring data over the life of the development;</p> <p>f) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p> <p>g) describe what measures will be implemented over the next financial year to improve the environmental performance of the development.</p>			
<p>Independent Environmental Audit Condition D12 Schedule 2 Part D</p> <p>Within one year of the date of physical commencement of development under this consent, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. The audit must:</p> <p>a) be prepared in accordance with the <i>Independent Audit Post Approval Requirements</i> (NSW Government 2020); and</p> <p>be submitted, to the satisfaction of the Planning Secretary, within two months of undertaking the independent audit site inspection, unless otherwise agreed by the Planning Secretary.</p>	No	Include reference to this condition, potentially in Section 8.	Section 8.3.4 updated.
<p>Condition D13 Schedule 2 Part D</p> <p>In accordance with the specific requirements of the <i>Independent Audit Post Approval Requirements</i> (NSW Government 2020), the Applicant must:</p>	No	Include reference to this condition, potentially in Section 8.	Section 8.3 updated

Condition	Sufficient (Yes/No/Partial)	Action Required	Company Response
a) review and respond to each Independent Audit Report prepared under condition D12 of this consent; b) submit a response to the Planning Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations of the Independent Audit Report; c) implement the recommendations to the satisfaction of the Planning Secretary; and make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Planning Secretary.			
General Comments		Action Required	Company Response
Include to table that details requirements of the Project Approval;		Update to include a table that details the relevant development consent conditions, and where it is addressed in the Management Plan.	Added in as Appendix 1
Include Appendices in TOC		There are two appendices included in the BMP, however they are not included/detailed in the TOC	TOC has been updated
Other Agency Comments		Action Required	Company Response
TfNSW – It is noted that Table 1 – Blasting Criteria within the amended BMP has deleted the following: ‘minimise the frequency and duration of any road closures and avoid road closures during peak traffic periods’.		TfNSW recommends re-inclusion of the statement as it is consistent with Condition B.24(c) of the consent.	Addressed in Section 5.4 Done
EPS – Nil comments		-	-
Narromine Council – It is noted on page 12 that the manager is responsible for notifying site, contractors and work control of the temporary road closures. Council would request that relevant staff be included in the email notification-engineering@narromine.nsw.gov.au .		Include Council in email notification.	Addressed in Table 2, page 12. Done
Narromine Council – Council would welcome a process of receiving the Annual Review, this should be forward to mail@narromine.nsw.gov.au.		Annual Reviews to be provided to Council.	Addressed in Section 8.2.4. Done

4 Risk Assessment

TGO has developed the blast management process following a formal risk assessment. TGO use the controls identified in the risk assessment to mitigate potential adverse effects in the

surrounding area. The complete risk assessment (**Tables 2, 3 and 4**) is reviewed in conjunction with this plan.

Table 2 – Risk Assessment

Risk Source	Consequence	Risk	Control Measures	Residual Risk
Ground vibration and airblast from blasting activities	Blasting emissions exceeding the relevant criteria at residential receptors	5	Sections 5.3, 6.3 and 6.4	5
	Blasting emissions exceeding the relevant criteria for surrounding infrastructure	1	Sections 5.3, 6.3 and 6.4	1
	Damage to nearby privately-owned property	10	Sections 5.3, 6.3, 6.4 and 10	10
Rock propelled outside the Blast Management Zone	Damage to nearby privately-owned property	10	Sections 5.3, 6.3, 6.4 and 10	10

Table 3 – Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Extreme
Almost certain	11	16	20	23	25
Likely	7	12	17	21	24
Possible	4	8	13	18	22
Unlikely	2	5	9	14	19
Rare	1	3	6	10	15

Table 4 – Risk Levels

Controlled Risk Level Action	
Level	Action
Low	Ensure identified control measures are applied as required. (Competent) supervisor approval required to proceed.
Medium	Ensure identified control measures are applied as required. (Competent) supervisor approval required to proceed.
High	Do not proceed. Department Superintendent (Manager) approval required.
Very High	Do not proceed. Area Manager to address the problem.



5 Operational Management of Blasting Activities

5.1 Licence Conditions

Blasting emissions from TGO are required to comply with the criteria stipulated in Development Consent SSD 9176054 and duplicated in **Table 5**. As TGO has no separate agreements in place, the criteria in **Table 5** applies to all residences/ infrastructure surrounding the Project. Blasts are designed to remain below the criteria in **Table 5** to protect surrounding public and private infrastructure / property from any damage.

Table 5 - Blasting Criteria

Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	Allowable Exceedance
<i>Residence on privately-owned land</i>	120	10	0%
	115	5	5% of total blasts over any 12-month period
<i>All Public Infrastructure</i>	-	<i>50, or alternatively, a specific limit determined to the satisfaction of the Secretary by the structural design methodology in AS 2187.2-2006, or its latest version</i>	0%
<i>RSF 1 and RSF 2 embankments</i>		49	0%

5.1.1 Blasting Hours

To effectively manage potential disturbances from blasting TGO operate within the conditions of the Development Consent and EPL. These conditions differentiate between blasting on the surface (pit) and when blasting underground.

TGO may carry out surface blasting on site between 9am and 5pm Monday to Saturday, inclusive. No surface blasting is allowed on Sundays, public holidays or at any other time without the written approval of the Planning Secretary.

TGO may carry out underground blasting 24 hours per day, 7 days a week.

5.1.2 Blasting Frequency

The Development Consent and EPL conditions regarding surface blast frequency are consistent with the following limits:

B17. The Applicant may carry out a maximum of 3 blasts in any 24-hour period.

B18. Condition B17 does not apply to blasts that generate ground vibration of 0.5 mm/s or less at any residence on privately-owned land, or to blast misfires or blasts required to ensure the safety of the mine, its workers or the general public.

Notes:

- For the purposes of conditions B17 and B18, a blast refers to a single blast event, which may involve a number of individual blasts fired in quick succession in a discrete area of the mine.
- Should an additional blast be required after a blast misfire, the additional blast and the blast misfire are counted as a single blast.

5.2 Approval

Blasting under the Consent must not be undertaken until this BMP has been approved by the Planning Secretary and implemented.

5.3 Blast Design

TGO conducts blasting operations in both Open Cut and Underground Mining environments.

The open cut blasting methods may include the following:

- Production Blasting – The loading, tie-in and firing of bulk explosives into planned drill holes.
- Secondary Blasting – The loading with packaged or bulk explosives into drilled holes and firing of toe and oversized rock.
- Presplit Blasting – The loading of specific packaged explosives, tie in trunkline and firing of planned drill holes that are top stemmed with sand for overpressure reduction.

The underground blasting methods can be categorized into the following:

- Development Firings – The firing of development rounds using non-electric detonators.
- Production Firing – The firing of larger production shots using either electronic or non-electric detonators.
- Secondary Firing – The firing of oversized material retrieved from stopes to create more manageable sized ore using non-electric detonators.

Optimum blast parameters have been developed using a combination of test blasting with temporary road closure and reviewing recorded results for each blast while considering the blast method and prevailing weather conditions.

By following this approach in conjunction with the adoption of improved blasting products and methods, it is anticipated that blast emission criteria can be met without imposing any significant constraints on the blast design throughout the operations of TGO. By using appropriate blast design coupled with exclusion zones as discussed in section 6.3, TGO will be able to manage any potential impacts of fly rock on nearby residents, public infrastructure and surrounding livestock.

Weather forecast monitoring for excessive wind conditions and adverse wind direction will be undertaken prior to each blast. If risk of elevated dust contamination is determined blasting will be postponed to a time with favorable weather conditions.

Monitoring and calibration of the explosive manufacturing unit ensures explosive mixing is in the correct proportions which in turn ensures that noxious fuming is kept to a minimum. TGO predominantly use emulsion based explosive products to minimize the effects of wet holes on Ammonium Nitrate to reduce the potential for fuming.

In summary, the following actions, or their combination, shall be undertaken to prevent exceedance of blasting criteria:

- Adoption of conservative powder factors to minimise vibration and overpressure.
- Mindful blast firing sequence with offset control line delays to reduce maximum instantaneous charge and minimise vibration.
- Assessing and recording weather conditions prior to blasting.
- Adjusting or rescheduling blasting if weather conditions are not favourable.

5.4 Blast Area Security

All underground firings will be initiated from the designated firing points. All personnel will be accounted for as being outside of the impacted blast area or removed from the blast area prior to firing and verified using the Underground Tag Board system.

All open pit firings have a 500m exclusion zone to protect the safety of people and livestock in the surrounding area. Having a 500m exclusion zone automatically protects surrounding livestock as the closest agricultural land is beyond the exclusion zone. Prior to blasting all personnel are removed from the exclusion zone until the area has been assessed and deemed safe to return.

The SAR open cut pits and Newell Highway re-alignment have been designed to ensure surface blasting will be outside the exclusion zone limit. In the event of a blast being required within 500m of the Newell Highway or other public road, temporary road closures would be implemented in accordance with Transport for NSW (TfNSW) requirements. Road closures would typically be less than 15 minutes to minimise interference with traffic flow and would be scheduled for early afternoon to avoid peak traffic times where commuters are beginning/ending their workdays/ schooldays.

Clearances and ground inspections pre and post firing along with positive radio communications also assist TGO in minimising road closure times should they be required.

TGO operate a blast notification board located on the entry road into the mine site. This board acts as a secondary notification to employees and is a primary notification to visitors prior to entry onto site. The 24/7 complaints/ community enquiry line (02 6865 6116) operated by TGO can provide up-to-date information to the public regarding the proposed blast schedule.

5.5 Notifying landowners or occupiers of blasts

Surrounding residents can opt for SMS message notification for the surface blasting schedule and associated road closures for that day and any variations to that schedule and closures. Narromine Shire Council would also be notified of any potential road closures due to blasting.

5.6 Codes of practice and compliance with the codes

Blast monitoring at TGO will be undertaken in accordance with all relevant Australian Standards and Office of Environment and Heritage policies. At the time of writing this document these include:

- Australian Standard AS 2187.2: Storage, Transport and use – Use of explosives; and
- Australian and New Zealand Environment Council (ANZEC) – Technical Basis for Guidelines to minimise Annoyance due to Blasting Overpressure and Ground Vibration.

Blasting operations will be conducted in accordance with the Department of Primary Industries and EPA guidelines as well as all TGO's operational and safe work procedures for blasting, shot firing and explosives. TGO's EPL and Development Consent set maximum limits for overpressure and vibration at locations adjacent to the mine, which includes private residences and public works. The exposure limits at any noise sensitive location are described in **Table 1**.

6 Monitoring

6.1 Vibration & Overpressure Monitoring

TGO's blast monitoring system is comprised of a centralised server and remote 'Dynamate' monitors situated in near proximity to the blast site. GPRS or 4G mobile technology enables communications between monitors and the Dynamaster server. Data is continuously logged 24/7. When a blast occurs, the network automatically requests data from each of the monitors. Captured overpressure and ground vibration data is uploaded to the Dynamaster database.

TGO's blast monitoring network consists of five fixed blast monitors. Air blast overpressure and ground vibration are recorded at each monitor. *Figure 1* shows the locations of the blast monitors.

The blast monitors are located at the nearest residential and infrastructure locations to mining operations and include:

- The Underpass monitor which is positioned adjacent to the Newell Highway,
- The Residue Storage Facility (RSF) monitor which is located to the east of the RSF embankments.
- A monitor located south east of the mine site adjacent to Kyalite Road near residence R60, and:
- Two monitors located in the village of Tomingley


Continuous monitoring is conducted to determine compliance. Monitoring instrumentation is maintained and calibrated by an accredited service provider.

Figure 1 Blast Monitoring Sites



-  TGO Mine Site Boundary
-  SAR Mine Site Boundary
-  Blast Monitor

0 1 2 3 4 km





6.2 Monitoring Records

The Dynamaster website contains the results uploaded from the monitors when an event has been triggered. The peak overpressure and peak ground vibration results are stored on the website and waveform graphs can be viewed. Appendix 2 shows the display and information which is logged.

Daily operational and event checks are completed by the company TGO commissioned to monitor blasts to ensure maximum data capture rates are maintained. This includes overnight download tests, checking the monitor connection throughout the day and battery/solar power checks.

Triggered events are reviewed and validated by TGO's Environment and Community Department to ensure complete blast capture. Results are communicated to relevant personnel and external stakeholders where required.

The Blast Controller shall ensure the following information has been recorded by the monitoring systems for each blast:

- Blast noise overpressure (dBZ, peak) and peak particle velocity (ppv, mm/s) in a radial, vertical and transverse direction.
- License limits, where appropriate in the event of an exceedance.
- Wind speed and direction in the event of an exceedance.

In accordance with EPL conditions and as per TGO document control procedures, monitoring records will be maintained on site for at least four years. All records can be downloaded from the monitoring system at any time.

6.3 Blast Review

After each blast that is detected by the Dynamaster system, a member of the environmental department reviews the results to ensure compliance. Should blast results be significantly different to the average (exceptionally high, etc.) or if recent blasts have results trending upwards, the environmental department will investigate to determine the cause of these changes. If the cause of these changes are due to TGO (size, pattern, explosives used, etc.), TGO will investigate if blasting can be done in a different manner to minimize potential impacts.

Table 6 details historical blast data. As the monitors detect movement exceeding 0.01mm/s, the low numbers of detected blasts (12%) and low number of total exceedances demonstrate low vibration impacts as a result of blasting on site. With the minimal impacts that blasting currently has at TGO, options for further improvements to environmental performance are very limited.

TGO will continue with the current effective management measures including the ongoing review of blast performance to ensure that this remains consistent, and impacts remain minimal during operations. Should blasts results be unusually high or begin trending the average result upwards, TGO will investigate causes to see if blasts can be designed to ensure the environmental performance of site does not degrade.



Table 6 – Historical Blast Data

	Average R ¹	Max R ¹	R ¹ Exceedances	Average AB ²	Max AB ²	AB ² Exceedances ³
Tomingley Village	0.32	4.8	0	96.71	131.6	5
Harts Cottage	0.22	4.61	0	95.07	125.2	2
Clark	0.03	0.08	0	81.34	109.4	0
Underpass ⁴	0.66	13.58	0	-	-	-
Residue Dam ⁴	0.46	5.37	0	-	-	-
Total blasts are recorded as 9062 to the start of 2024, with 1093 of these detected by TGOs blast monitoring system. ¹ R measured as mm/s ² AB measured as dBL ³ An 8th AB exceedance was recorded in 2015, the monitor used was only temporary and not shown in this table. ⁴ Both 'Underpass' and 'Residue Dam' monitors do not record AB, hence no data						

6.4 Unintended Impacts

Unintended impacts may occur as a result of blasting at TGO. By their nature, these impacts are hard to predict and may have unique consequences. Onsite impacts can be detected through a number of monitoring programs that TGO operates, including inspections, incident investigations and worker observations. Offsite impacts may be identified by the environmental department or through community complaints and concerns.

If there is an unintended impact believed as potentially related to blasting (whether below assessment criteria or above), TGO will investigate to determine the actual cause. If the cause is found to be related to the mines blasting, immediate action can be taken to prevent similar types of blasts (pattern, stope type, explosives used, etc.) until there is confidence that they can be taken without impact. Where blasts could not be undertaken without impact, TGO will look to alternative designs to ensure all blasting is compliant and does not cause unforeseen consequences.

Consequences and impacts that are unintended (such as damage) will be addressed on a case-by-case basis, with TGO determining the appropriate corrective solution. Where these consequences have impacted members of the public, the appropriate solution will involve consultation and an understanding of the public's need.

7 Roles and Responsibilities

Table 7 details the Roles and Responsibilities of TGO personnel with respect to the implementation of this plan.

Table 7 – Roles and Responsibilities

Role	Responsibilities
TGO General Manager	<ul style="list-style-type: none"> Provide adequate resources for the implementation of this Plan.

Role	Responsibilities
TGO Environment and Community Manager / Environmental Coordinator	<ul style="list-style-type: none"> • Facilitate airblast overpressure and ground vibration monitoring. • Review data and determine management actions as appropriate Ensure actions are taken to prevent exceedance of conditions and actions are implemented following an investigation. • Fixed monitoring equipment is correctly installed and operational. • Maintenance and calibration of equipment occurs as required to ensure equipment reliability. • Assist the Mine Engineers with investigations of blasting exceedances, incidents or complaints. • Provide adequate and timely response to community complaints and ensure requirements of the Complaints Procedure are completed. • Make reports as per the TGO Standard: Corporate Incidents as required. • Ensure all internal and externals reporting requirements are met. • Make reports to the EPA as required. • Co-ordinate and manage records and reporting of blast monitoring results.
TGO Opencut Manager/ Superintendent / Shotfirer	<ul style="list-style-type: none"> • Notify Site, relevant contractors, Narromine Shire Council and Workcontrol Forbes via email in advance of any temporary road closures and upcoming blasts. • Authorise the implementation of specific management measures to minimise blast impacts in accordance with this Plan.
TGO Underground Manager/ Underground superintendents / shift supervisors	<ul style="list-style-type: none"> • Authorise the implementation of specific management measures to minimise blast impacts in accordance with this Plan.
TGO Shotfirer	<ul style="list-style-type: none"> • Record results of the Sites' blast monitors in the Blast Vibration and Overpressure Monitoring Log. • File all electronic results from development blasting vibration and overpressure monitoring in the Blasting Vibration and Overpressure Log and maintain this information on file for a period of not less than 4 years. • Record details of each blast including, location, charge quantity, detonation timing. • Report monitoring results to the Underground Foreman/Manager. • Regularly review blast design parameters on the basis of blast monitoring records. • Assess and record weather conditions prior to blasting. • Advise the relevant personnel of weekly blasting schedule.
TGO Mine Engineers (Open cut / underground)	<ul style="list-style-type: none"> • Advise the relevant personnel of weekly blasting schedule. • Design and undertake blasts to comply with the requirements of this Plan.

Role	Responsibilities
	<ul style="list-style-type: none"> • Maintain records for blasts initiated. • Assist the Environmental Manager with investigations into blast exceedances, incidents or complaints.
TGO Opencut/Shot-Firer	<ul style="list-style-type: none"> • Ensure charging practices are following the provided blasting design. • Ensure the blast is loaded with the correct quantity and quality of explosive and stemmed in accordance with the blast design. • Advise relevant personnel of daily blasting schedule. • Notify the Mining Engineer of any factors that may lead to non-compliance with this Plan. • Load and fire blasts in accordance with design supplied by the Mining Engineer. • Ensure the underground mine has been cleared before blasting. • Continued videoing for all open cut blasts, including post blast review of all imagery to monitor for flyrock and fume generation.

8 Reporting and Evaluation of Compliance

TGO prepares a Monthly Environmental Monitoring Report. This report includes an assessment of monitoring data against performance criteria stipulated in EPL 20169 and SSD 9176045. This report is prepared by the Environment Coordinator and made available to the public via TGO's website www.alkane.com.au.

TGO's Annual Review includes a comprehensive review of the site's environmental performance for the previous financial year. This detailed review evaluates and reports on compliance and identifies trends in the monitoring data.

8.1 Internal reporting

The Mine Engineer shall report the monitoring results to the Environment and Community Manager in the event of an exceedance. The report is to identify whether it was a routine or trial blast.

The Environment and Community Manager will report to the General Manager the results and investigations of any complaints and/or any exceedances of the blast overpressure or vibration assessment criteria. In the event of a non-compliance, external reporting as required by the Development Consent, detailed in Section 8 will occur. All reports are reviewed by the General Manager.

8.2 External reporting

8.2.1 EPA Notification of Environmental Harm

Incidents causing or threatening material harm to the environment will be reported by telephoning the Environment Line service on 131 555 immediately after TGO becomes aware of an incident in accordance with the requirements of Part 5.7 of the Act. TGO will provide written



details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

8.2.2 Transport for NSW

Any non-compliance recorded at the vehicular underpass on the Newell Highway shall be reported to TfNSW.

8.2.3 Dam Safety NSW

In accordance with the approval requirements of Dam Safety NSW, TGO report blast vibration results recorded on the RSF embankment in a biannual report.

8.2.4 Annual Review

By the end of September each year, TGO must submit a report to the DPHI reviewing the environmental performance of the project, to the satisfaction of the Secretary. The review includes the conditions stipulated in Schedule 2 Condition D10 of the SSD. A copy of the Annual Review will be submitted to Narromine Shire Council (NSC) and relevant agencies and made available to the TGO Community Consultative Committee (CCC) and any interested person upon request.

8.2.5 Access to Information

Until the completion of all rehabilitation required under SSD 9176045, TGO will make available to the public any blast information, and compliance with regulatory requirements. Information is made publicly available on the TGO website, www.alkane.com.au and that information is kept up to date to the satisfaction of the Secretary.

Copies of the Annual Review are submitted to Council and made available to the CCC and any interested person upon request.

8.2.6 Notification of Exceedance

As soon as practicable and no longer than 7 days after obtaining monitoring results showing an exceedance of blast criteria, TGO will provide the details of the exceedance to any affected landowners, tenants and the CCC.

8.3 Independent Environmental Audit

As required under Schedule 2, Condition D12 and D13 of SSD9176045, TGO must commission an Independent Environmental Audit within one year of mining operations commencement, and every three years thereafter, unless the Secretary directs otherwise. TGO must submit this audit to the Planning Secretary and other NSW agencies that ask for it, and implement the recommendations to the satisfaction of the Secretary. The initial audit was completed in June 2015 with subsequent audits being completed in August 2018 and May 2021.

8.4 Evaluation of Compliance

8.4.1 Incident Notification

The Planning Secretary will be notified in writing via the Major Projects website immediately after TGO becomes aware of a blast incident. The notification will identify the development and



set out the location and nature of the incident. Subsequent notification requirements will be given, and reports submitted in accordance with the requirements set out in Appendix 8 of the Development Consent.

8.4.2 Non-Compliance Notification

The Planning Secretary will be notified in writing via the Major Projects website within seven days of TGO becoming aware of a blast non-compliance. The notification will identify the development, set out the condition of consent that TGO is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.

Note: A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

8.4.3 Investigation

The following actions will be taken in the event of a blast incident and/or non-compliance.

Where the blast limit has been reached or exceeded the Mine Engineer shall:

- Check wind conditions and monitoring records 15 minutes prior and post blasting and determine if the elevated result was due to wind activity.
- Where it is determined that wind conditions caused the elevated result, record this information in the Blasting Vibration and Overpressure Log and provide a report to the relevant Mine Manager (Open cut / Underground).

Where it is determined that wind or weather conditions did not cause the elevated result, the Mine Engineer in consultation with the Mine Superintendent will:

- Undertake an investigation immediately into the firing and blast conditions.
- Check blasting pattern and adherence to blasting procedures. Identify and document any non-compliance or deviations authorized or not.
- Check that all mitigation measures were employed and identify and document any non-compliance or deviations authorised or not.
- In consultation with the Mine Manager, determine and implement action to prevent a recurrence.

9 Complaints Handling

TGO maintains a 24-hour, 7-day, Community Complaints Number (02 6865 6116). The purpose of this complaints line is to receive complaints from members of the public in relation to activities conducted at the premises or by vehicle or mobile plant.

In addition to this, complaints can be lodged by email at tomingleygold@alkane.com.au or by visiting the site office.

Complaints are recorded and investigated in accordance with the procedure detailed in TGOs Environmental Management Strategy for handling complaints.

The complaints register is maintained and updated on the TGO website monthly.

10 Property Inspections

Property inspections will be complete in accordance with Development Consent conditions as follows.

- B19 If the Applicant receives a written request from the owner of any privately-owned land within 2 kilometres of any approved open cut mining pit on the site, or any other landowner where the Planning Secretary is satisfied an inspection is warranted, for a property inspection to establish the baseline condition of any buildings and structures on their land, or to have a previous property inspection updated, then within two months of receiving this request (or, in the case of a request for an inspection outside the 2 kilometres, within two months of receiving notice that the Planning Secretary is satisfied that an inspection is warranted) the Applicant must:
- (a) commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties to:
 - (i) establish the baseline condition of any buildings and other structures on the land, or update the previous property inspection report; and
 - (ii) identify measures that should be implemented to minimise the potential blasting impacts of the development on these buildings and structures; and
 - (b) give the landowner a copy of the new or updated property inspection report.
- B20 If there is a dispute over the selection of the suitably qualified, experienced and independent person, or the Applicant or the landowner disagrees with the findings of the property inspection report, either party may refer the matter to the Planning Secretary for resolution.

In September 2013, prior to the development of TGOs Coloma and Wyoming open cut pits, Calare Civil Consulting Engineers of Bathurst undertook Pre-Blasting Structural Surveys of twenty self-nominated properties. These inspections established baseline conditions and identified measures to be implemented to minimize potential blasting impacts. Reports were provided to land holders and TGO.

10.1 Property Investigations

Property investigations will be complete in accordance with Development Consent conditions as follows.

- B21 If the owner of any privately-owned land within 2 kilometres of any approved open cut mining pit on the site or any other landowner where the Planning Secretary is satisfied an investigation is warranted, claims in writing that buildings or structures on their land have been damaged as a result of blasting on the site, then within two months of receiving this written claim (or, in the case of a request for an inspection outside the 2 kilometres, within two months of receiving notice that the Planning Secretary is satisfied that an inspection is warranted) the Applicant must:
- (a) commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties to investigate the claim; and
 - (b) give the landowner a copy of the property investigation report.
- B22 If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Applicant must repair the damage to the satisfaction of the Planning Secretary.



B23 If there is a dispute over the selection of the suitably qualified, experienced and independent person, or the Applicant or the landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Planning Secretary for resolution.

11 Plan Revision

The revision of this plan is completed in accordance with Condition D6 and D7 of SSD 9176045 as described below.

D6 Within three months of:

- a) the submission of an incident report under condition D8;
- b) the submission of an Annual Review under condition D10;
- c) the submission of an Independent Environmental Audit under condition D12; or
- d) the approval of any modification of the conditions of this consent (unless the conditions require otherwise);
- e) notification of a change in development phase under condition A5; or
- f) a direction of the Secretary under condition A3.

The suitability of existing strategies, plans and programs required under this consent must be reviewed by the Applicant.

D7 If necessary, to either improve the environmental performance of the development or cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.

Appendix 1 Development Conditions Cross Reference Table

Condition	Where Addressed
B13 The Applicant must ensure that blasting on the site does not cause exceedances of the criteria in Table 2.	Section 5.1
B14 Apart from the limit on the RSF 1 and RSF 2 embankments, the blasting criteria in Table 2 do not apply if the Applicant has an agreement with the owner/s of the relevant residence or infrastructure to exceed the blasting criteria, and the Applicant has advised the Department in writing of the terms of this agreement.	Section 5.1
B15 The Applicant may carry out surface blasting on site between 9:00 am and 5:00pm Monday to Saturday, inclusive. No surface blasting is allowed on Sundays, public holidays or at any other time without the written approval of the Planning Secretary.	Section 5.1.1
B16 The Applicant may carry out underground blasting 24 hours per day, 7 days a week.	Section 5.1.1
B17 The Applicant may carry out a maximum of 3 blasts in any 24-hour period.	Section 5.1.2
B18 Condition B17 does not apply to blasts that generate ground vibration of 0.5 mm/s or less at any residence on privately-owned land, or to blast misfires or blasts required to ensure the safety of the mine, its workers or the general public	Section 5.1.2
<p>B19 If the Applicant receives a written request from the owner of any privately-owned land within 2 kilometres of any approved open cut mining pit on the site, or any other landowner where the Planning Secretary is satisfied an inspection is warranted, for a property inspection to establish the baseline condition of any buildings and structures on their land, or to have a previous property inspection updated, then within two months of receiving this request (or, in the case of a request for an inspection outside the 2 kilometres, within two months of receiving notice that the Planning Secretary is satisfied that an inspection is warranted) the Applicant must:</p> <p>(a) commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties to:</p> <p>(i) establish the baseline condition of any buildings and other structures on the land, or update the previous property inspection report; and</p> <p>(ii) identify measures that should be implemented to minimise the potential blasting impacts of the development on these buildings and structures; and</p> <p>(b) give the landowner a copy of the new or updated property inspection report.</p>	Section 10
B20 If there is a dispute over the selection of the suitably qualified, experienced and independent person, or the Applicant or the landowner disagrees with the findings of the property inspection report, either party may refer the matter to the Planning Secretary for resolution.	Section 10
B21 If the owner of any privately-owned land within 2 kilometres of any approved open cut mining pit on the site or any other landowner where the Planning Secretary is satisfied an investigation is warranted, claims in writing that buildings or structures on their land have been damaged as a result of blasting on the site, then within two months of receiving this written claim (or, in the case of a request for an inspection outside the 2 kilometres, within two months of receiving notice that the Planning Secretary is satisfied that an inspection is warranted) the Applicant must: commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties to investigate the claim; and give the landowner a copy of the property investigation report.	Section 10.1
B22 If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Applicant must repair the damage to the satisfaction of the Planning Secretary	Section 10.1


<p>B23 If there is a dispute over the selection of the suitably qualified, experienced and independent person, or the Applicant or the landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Planning Secretary for resolution.</p>	<p>Section 10.1</p>
<p>B24 The Applicant must:</p> <ul style="list-style-type: none"> (a) take all reasonable steps to: <ul style="list-style-type: none"> (i) ensure the safety of people and livestock from blasting impacts of the development; (ii) protect public or private infrastructure and property in the surrounding area from blasting damage associated with the development, including the Newell Highway; (iii) minimise blast-related dust and fume emissions; (b) operate a comprehensive blast management system that uses a combination of meteorological forecasts and predictive blast modelling to guide the planning of blasts to minimise blasting impacts (c) minimise the frequency and duration of any public road closures for blasting, and use all reasonable efforts to avoid road closures during peak traffic periods; (d) operate a suitable system to enable interested members of the public to get up-to-date information on the proposed blasting schedule on the site and any associated public road closures, including notification via SMS message of the surface blasting schedule and associated road closures for that day and any variations to that schedule and closures; and (e) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent. 	<p>Section 5.4 Section 5.1 Section 5.3 Section 5.3 Section 5.4 Section 5.4 Section 6</p>
<p>B25. The Applicant must prepare a Blast Management Plan for the development to the satisfaction of the Planning Secretary. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified and experienced person/s whose appointment has been endorsed by the Planning Secretary; (b) be prepared in consultation with the EPA, TfNSW and Council; (c) describe the blast management system and the measures that will be implemented to ensure compliance with the blasting criteria and conditions of this consent; (d) include a monitoring program for evaluating and reporting on compliance with the relevant conditions of this consent; (e) include a protocol for identifying any blast-related exceedance, incident or non-compliance and for notifying the Department, the EPA and relevant stakeholders of these events; (f) includes a review mechanism and contingency measures if blasting causes amenity impacts at levels below the relevant criteria; (g) Include public notification procedures to enable members of the public, particularly surrounding residents, to get up-to-date information on the proposed blasting schedule; and (h) include a protocol for investigating and responding to blast-related complaints. 	<p>Section 3 Section 3 Section 5.3 Section 6 Section 8 Section 6.4 Section 5.4 Sections 8.1 and 9</p>
<p>B27 The Applicant must implement the approved Blast Management Plan.</p>	<p>Section 1</p>
<p>D4 The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and performance measures in this consent. Any exceedance of these criteria or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <ul style="list-style-type: none"> (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not recur; (b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and (c) implement reasonable remediation measures as directed by the Planning Secretary. 	<p>Sections 4 and 8.3.3 Sections 8.2 and 8.3 Section 3</p>
<p>D5 Management plans required under this consent must be prepared in accordance with relevant guidelines, and include where relevant:</p> <ul style="list-style-type: none"> (a) summary of relevant background or baseline data; (b) details of: <ul style="list-style-type: none"> (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions); (ii) any relevant limits or performance measures and criteria; and 	<p>Section 6.2 Section 2.1 Section 5.1</p>

<p>(iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;</p> <p>(c) any relevant commitments or recommendations identified in the document/s listed in condition A2(c);</p> <p>(d) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;</p> <p>(e) a program to monitor and report on the:</p> <ul style="list-style-type: none"> (i) impacts and environmental performance of the development; and (ii) effectiveness of the management measures set out pursuant to paragraph (d); <p>(f) a contingency plan to manage any unpredictable impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;</p> <p>(g) a program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>(h) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> (i) incident, non-compliance or exceedance of any impact assessment criterion or performance measure; (ii) complaint; or (iii) failure to comply with other statutory requirements; <p>(i) Public sources of information and data to assist stakeholders in understanding environmental impacts of the development; and</p> <p>(j) a protocol for periodic review of the plan.</p> <p>Note: <i>The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>	<p>Section 5.1</p> <p>Sections 5.3, 5.4 and 6</p> <p>Section 6</p> <p>Section 8</p> <p>Section 8</p> <p>Section 6.4</p> <p>Section 6.3</p> <p>Section 8</p> <p>Section 9</p> <p>Section 8</p> <p>Section 8.2.5</p> <p>Section 11</p>
<p>D6 Within three months of:</p> <ul style="list-style-type: none"> (a) the submissions of an incident report under condition D8; (b) the submission of an Annual Review under condition D10; (c) the submission of an Independent Environmental Audit under condition D12; or (d) the modification of the conditions of this consent (unless the conditions require otherwise) (e) notification of a change in development phase under condition A5I or (f) a direction of the Secretary under condition A3 <p>The suitability of existing strategies, plans and programs required under this consent must be reviewed by the Applicant.</p>	<p>Section 11</p>
<p>D7 If necessary, to either improve the environmental performance of the development or cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.</p>	<p>Section 11</p>
<p>D8 The Planning Secretary must be notified in writing via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 8.</p>	<p>Section 8.4.1</p>
<p>D9 The Planning Secretary must be notified in writing via the Major Projects website within seven days after the Applicant becomes aware of any non-compliance. A non-compliance notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.</p>	<p>Section 8.4.2</p>
<p>D10 By the end of September each year after the date of physical commencement of development under this consent, or other timeframe agreed by the Planning Secretary, a report must be submitted to the Department reviewing the environmental performance of the development, to the satisfaction of the Planning Secretary. This review must:</p> <ul style="list-style-type: none"> (a) describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year; (b) include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, including a comparison of these results against the: <ul style="list-style-type: none"> (i) relevant statutory requirements, limits or performance measures/criteria; 	

<p>(ii) requirements of any plan or program required under this consent; (iii) monitoring results of previous years; and (iv) relevant predictions in the document/s listed in condition A2(c);</p> <p>(c) identify any non-compliance or incident which occurred in the previous financial year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence; (d) evaluate and report on compliance with the performance measures, criteria and operating conditions of this consent; (e) identify any trends in the monitoring data over the life of the development; (f) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (g) describe what measures will be implemented over the next financial year to improve the environmental performance of the development.</p>	Section 8.2.4
<p>D11 Copies of the Annual Review must be submitted to Council and made available to the CCC and any interested person upon request.</p>	Section 8.2.4
<p>D12 Within one year of the date of physical commencement of development under this consent, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. The audit must:</p> <p>(a) be prepared in accordance with the Independent Audit Post Approval Requirements (NSW Government 2020); and (b) be submitted, to the satisfaction of the Planning Secretary, within two months of undertaking the independent audit site inspection, unless otherwise agreed by the Planning Secretary.</p>	Section 8.3
<p>D13 In accordance with the specific requirements of the Independent Audit Post Approval Requirements (NSW Government 2020), the Applicant must:</p> <p>(a) review and respond to each Independent Audit Report prepared under condition D12 of this consent; (b) submit a response to the Planning Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations of the Independent Audit Report; (c) implement the recommendations to the satisfaction of the Planning Secretary; and (d) make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Planning Secretary.</p>	Section 8.3
<p>D15 Within three months of the date of physical commencement of development under this consent, until the completion of all rehabilitation required under this consent, the Applicant must:</p> <p>(a) make the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this consent) publicly available on its website:</p> <p>(i) the document/s listed in condition A2(c); (ii) all current statutory approvals for the development; (iii) all approved strategies, plans and programs required under the conditions of this consent; (iv) minutes of CCC meetings; (v) regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of this consent; (vi) a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; (vii) a summary of the current phase and progress of the development; (viii) contact details to enquire about the development or to make a complaint; (ix) a complaints register, updated monthly; (x) the Annual Reviews of the development; (xi) audit reports prepared as part of any Independent Environmental Audit of the development and the Applicant's response to the recommendations in any audit report; and (xii) any other matter required by the Planning Secretary; and (b) keep such information up to date, to the satisfaction of the Planning Secretary.</p>	Section 8.2.5



Appendix 2 TGO Blast Logging Template

Blast Monitoring Made Easy  Past Events ▾ Capture Events ▾ System Status ▾ Settings ▾

Captured Events - Table View

Event Search


(Page 1 of 64)

Events

<input checked="" type="checkbox"/>	Event Code ▾	Category	Description	Date/Time	Trigger Source
<input type="checkbox"/>	<u>TMG08U</u>	Valid Shot		2016-01-09 12:57:49	Underpass
<input type="checkbox"/>	<u>TMG08T</u>	Valid Shot	CL1-200-303	2015-12-23 13:09:44	Underpass
<input type="checkbox"/>	<u>TMG08S</u>	Valid Shot	CL1-185-004/008/010	2015-12-23 12:58:43	Underpass
<input type="checkbox"/>	<u>TMG08R</u>	Valid Shot	CL1-185-007/009	2015-12-14 12:59:33	Underpass
<input type="checkbox"/>	<u>TMG08Q</u>	Valid Shot	CL1-205-304	2015-12-10 12:58:43	Underpass

(Page 1 of 64)

Captures for TMG08S

Station Name	Status	Max AB (dBL)	Max R (mm/s)
Underpass 	Full Wave		0.84
Harper	Full Wave	96.1	0.41
Tomingley Village	Full Wave	97.5	0.65
Harts Cottage	Full Wave	103.3	0.42
Residue Dam	Full Wave		0.15



Appendix 3

Department of Planning and Environment



Our ref: SSD-9176045-PA-1

David Pritchard
Environment and Community Manager NSW
Tomingley Gold Operations Pty Ltd
Tomingley West Road
Tomingley, NSW, 2869

24/05/2023

Subject: Tomingley Extension (SSD-9176045) - Endorsement of Blast Specialist

Dear Mr. Pritchard,

I refer to your letter dated 18 May 2023 (SSD-9176045-PA-1) requesting the Secretary's endorsement of suitably qualified and experienced person/s to prepare the Blast Management Plan.

Endorsement is sought for authors to prepare the Blast Management Plan in accordance with Condition B25(a) of Schedule 2, Part B.

The Department has reviewed the nomination and information you have provided and is satisfied that Mr Rod Linnett from Muller Acoustic Consulting is suitably qualified and experienced. Consequently, I can advise that the Secretary endorses the appointment of Mr Rod Linnett to prepare the Blast Management Plan.

If you wish to discuss the matter further, please contact Scotney Moore on 02 9274 6342.

Yours sincerely

Wayne Jones
Team Leader - Post Approval
Resource Assessments

As nominee of the Planning Secretary



4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150
Locked Bag 5022, Parramatta NSW 2124

www.dpie.nsw.gov.au