Notice of Modification

Section 75W of the Environmental Planning and Assessment Act 1979

As delegate of the Minister for Planning, the Independent Planning Commission of NSW modifies the development consent referred to in Schedule 1, as set out in Schedule 2.

Member of the Commission

Member of the Commission

Sydney

2018

SCHEDULE 1

The development consent (DA 374-11-00) for the Sunrise Mine Project (formerly known as the Syerston Nickel Cobalt Project) granted by the then Minister for Urban Affairs and Planning on 23 May 2001.

SCHEDULE 2

- 1. Delete all references to 'Syerston Mine' and replace with 'Sunrise Mine'.
- 2. Delete all references to 'Scandium21' and replace with 'Clean TeQ Sunrise'.
- 3. In Schedule 1 Definitions:
 - (a) in the definition of 'Accommodation Camp', delete 'Figure 8 of';
 - (b) in the definition of 'Borefields', delete 'Figure 6 of';
 - (c) in the definition of 'Development', delete 'and' after 'water pipeline';
 - (d) delete the definition of 'DPI Water' and replace with:
 - Dol Lands & Water Department of Industry Lands and Water;
 - (e) in the definition of 'EIS', insert the following after the last paragraph:
 - Environmental Assessment titled "Syerston Project Modification 4 Environmental Assessment" dated November 2017 and Response to Submissions dated February 2018.
 - Letter prepared by Clean TeQ Holdings Limited dated 29 June 2018.
 - (e) in the definition of 'Gas Pipeline', delete 'Figure 1 of';
 - (f) in the definition of 'Limestone quarry', delete 'Figures 1 and 4 of;
 - (g) in the definition of 'Mine', delete 'Figures 1, 2 and 3 of';
 - (h) in the definition of 'Mine processing facility', delete 'hydrogen sulphide flare';
 - (i) in the definition of 'Rail siding', delete 'Figures 1 and 5 of';
 - (j) in the definition of 'Transport route', delete 'Figure 7 in'; and
 - (k) in the definition of 'Water pipeline', delete 'Figure 1 of';
 - (I) insert in alphabetic order:

Power generation facilities On-site co-generation plant and standby diesel

generators

4. Delete all references to' DPI Water' and Replace with 'Dol Lands & Water'.

SCHEDULE 2

- 5. In Schedule 2, Condition 7:
 - (a) delete the words 'either sulphide or'; and
 - (b) after the words 'sulphate precipitate products)', insert 'and 100,000 tonnes of ammonium sulphate'.
- 6. In Schedule 2, Condition 10(f), delete 'development' and replace with 'commissioning'.
- 7. In Schedule 2, Condition 13, in the notes, delete '4A' and replace with '6'.

SCHEDULE 3

8. In Schedule 3, Condition 3, delete Table 2 and replace with:

Table 2: Noise Criteria (dB(A)) - Mine

Location and Receiver ID	Day	Evening	Night	
	LAeq (15 minute)	LAeq (15 minute)	LAeq (15 minute)	LA1 (1 minute)
Currajong Park (M08 and M23)	37	37	37	45
Abandoned (M04)				
Glenburn (M10)	35	36	36	45
Rosehill (M28)				
Slapdown (M29)				
Brooklyn (M22)	36	35	35	45
Wanda Bye	35	37	37	45
All other privately-owned residences	35	35	35	45

Note: To identify the residences referred to in Table 2, see Appendix 4.

9. In Schedule 3, Condition 4, delete Table 3 and replace with:

Table 3: Noise Criteria (dB(A)) – Limestone Quarry

Location	Day	Evening	Night	
	LAeq (15 minute)	LAeq (15 minute)	LAeq (15 minute)	LA1 (1 minute)
Moorelands	35	37	35	45
Lesbina	38	35	35	45
Eastbourne	30	33	33	40
Gillenbine	37	35	35	45
All other privately-owned residences	35	35	35	45

Note: To identify the residences referred to in Table 3, see Appendix 4.

10. In Schedule 3, Condition 5, delete Table 4 and replace with:

Table 4: Noise Criteria (dB(A)) - Rail Siding

Location	Day	Evening	Night	
	LAeq (15 minute)	LAeq (15 minute)	LAeq (15 minute)	L _{A1} (1 minute)
Glen Rock				
Ballanrae	37	35	35	45
Spring Park				
All other privately-owned residences	35	35	35	45

Note: To identify the residences referred to in Table 4, see Appendix 4.

- 11. In Schedule 3, Condition 5, delete 'at all non-development related residences'.
- 12. In Schedule 3, Condition 9(c), after 'consent', insert:
 - ', including measures to reduce noise emissions from the mine during night time operations under adverse meteorological conditions'
- 13. In Schedule 3, delete Condition 11.
- 14. In Schedule 3, Conditions 12, 14 and 16, insert 'mine or', before 'limestone quarry'.
- 15. In Schedule 3, Condition 14, at the end of the condition insert the following paragraph: 'This condition does not apply to blasts required to ensure the safety of the mine, its workers or the general public.'
- 16. In Schedule 3, Condition 20:
 - (a) delete the words 'a revised', and replace with 'an'; and
 - (b) delete the words 'to the satisfaction of the EPA'.
- 17. In Schedule 3, Condition 21, Table 6:
 - (c) in the criterion for 'Particulate matter < 10 µm (PM10)', delete '30' and replace with '25'; and

(d) insert the following row at the bottom of the table:

Particulate matter < 2.5 µm (PM2.5)	Annual	a 8 μg/m³

18. In Schedule 3, Condition 21, Table 7, insert the following row at the bottom of the table:

Particulate matter < 2.5 µm (PM2.5)	24 hour	a 25 µg/m³

- 19. In Schedule 3, Condition 23:
 - (a) delete the words 'On submission of an application for an Environment Protection Licence, unless otherwise agreed by the Secretary and the EPA, the Applicant must prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary and the EPA', and replace with:

'Prior to carrying out any development under this consent after 6 May 2017, unless otherwise agreed by the Secretary, the Applicant must prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary'

- (b) delete Condition 23(d) and replace with:
 - 'include an air quality monitoring program that:
 - includes real-time monitoring;
 - supports proactive and reactive air quality management strategies;
 - includes monitoring of the sulphuric acid plant stack emissions, including continuous monitoring of in-stack pollutant concentrations;
 - includes real-time monitoring at potentially affected residences;
 - includes key performance indicators;
 - evaluates and reports on:
 - baseline monitoring undertaken;
 - compliance against the air quality operating conditions;
 - compliance against the air quality criteria in this consent; and
 - the effectiveness of the air quality management system;'
- 20. In Schedule 3, after Condition 24, insert:

'Air Quality Verification

- 24A. The Applicant must provide an Air Quality Verification Report to the satisfaction of the EPA, that confirms all sulphuric acid plant and power generation facility stack emission discharges will comply with the prescribed concentrations contained in the Protection of the Environment Operations (Clean Air) Regulation 2010 and best practice emission concentrations.'
- 21. In Schedule 3, delete Condition 25 and replace with:

'Meteorological Monitoring

- 25. Prior to carrying out any development under this consent after 6 May 2017, the Applicant must ensure that there is a suitable meteorological station operating in the vicinity of the mine site that complies with the requirements in the *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline. Once established, this meteorological station must operate for the remainder of the life of the development.'
- 22. In Schedule 3, Condition 29, Table 9:
 - (a) insert the following Performance Measure for 'Clean water diversion infrastructure':
 - Design, construct and maintain the clean water diversions to capture and convey a 100 year, peak flow rainfall event

and

- (b) insert the following Performance Measure after the third Performance Measure in 'Mine and limestone quarry water storages':
 - Design, install and maintain a seepage interception system in the Tailings Storage Facility embankments in accordance with DSC guidelines
- 23. In Schedule 3, Condition 30(a), after '- water use and management on site;' insert:
 - Measures to prioritise the use of water in the following order:
 - o recycled water from the water treatment plant;
 - o other on-site sources (in accordance with harvestable rights provisions); and
 - o water extracted from the borefields and Lachlan River; and
- 24. In Schedule 3, delete Condition 42.

- 25. In Schedule 3, Condition 43:
 - (a) delete the word 'and' at the end sub condition (a);
 - (b) in sub condition (b), after the words 'include a program that', insert 'details';
 - (c) in sub condition (b), at the end of the second dot point, insert 'and';
 - (d) add after sub condition (b):
 - (c) be consistent with the terms of the VPA outlined in Appendix 3.
- 26. In Schedule 3, in Condition 45:
 - (a) delete Condition 45(b) and replace with:
 - (b) a program to monitor and report on the amount of metal sulphate precipitate, scandium oxide and ammonium sulphate transported from the mine:
 - (b) in Condition 45(c), after 'limestone quarry', insert 'and third party suppliers';
 - (c) in Condition 45(d), insert the following after 'over-dimensional vehicles':
 - operate shuttle bus services to transport employees to and from Parkes, Forbes and Condobolin to the mine; and
 - operate high capacity trucks to transport limestone and other materials and products to and from the mine;
 - (d) In Condition 45(e),
 - after 'designated transport routes, insert ', and prioritise use of national, state and regional roads over local roads' at the end of the first dot point in sub-condition (e);
 - (ii) delete 'and mine' in the sixth dot point, and replace with:
 ', limestone guarry or third party limestone guarries and the mine';
 - (iii) insert '(e.g. flood events and other emergencies)' at the end of the eleventh dot point;
 - (iv) delete the last dot point of sub-condition (e); and
 - (v) insert the following dot points at the end of Condition 45(e):
 - minimise disruption to community events and festivals, in consultation with event organisers;
 - implement reasonable and feasible measures to minimise amenity impacts to local communities, including minimising night time truck movements and compression braking in urban areas as far as practicable; and
 - ensure compliance with and enforcement of the protocol.
- 27. In Schedule 3, in Condition 48, after Condition 48(d) insert the following:
 - (e) establish the vegetation screens (shown in Figure 2 in Appendix 2) within 3 years of the commencement of any development on the mine site (unless otherwise agreed by the Secretary), and maintain these screens throughout the life of the development;
- 28. In Schedule 3, Condition 50, after 'handling,', insert 'use'.
- 29. In Schedule 3, Condition 50, after Condition 50(c), insert the following:
 - (d) Managing Risk of Hazardous Chemicals in the Workplace Code of Practice (SafeWork NSW).
- 30. In Schedule 3, Condition 53:
 - (a) delete Condition 53(b), and replace with:
 - (b) Emergency Plan for the development, prepared by suitably qualified person(s) approved by the Secretary. The Plan must be developed in consultation with the State Emergency Services, RFS, Fire & Rescue NSW and Lachlan Shire Council, and include detailed procedures for the development and include consideration of the safety of all people outside the development who may be at risk from the development. The Plan must be prepared in a manner that is consistent with the:
 - Department's publication Hazardous Industry Planning Advisory Paper No. 1, 'Industry Emergency Planning Guidelines', including the matters in Appendix 6

 – Major Hazard Facilities;
 - Code of Practice for Emergency Planning at Mines (NSW Resources Regulator); and
 - Work Health and Safety (Mines and Petroleum Sites) Act 2013 and Regulations;

and

(b) in Condition 53(c), after 'hazardous materials' insert ', and include hazardous chemicals as a Principal Mining Hazard'.

- 32. In Schedule 5, Condition 8, before the words 'of any incident that has caused' and 'as soon as practicable', insert 'including the relevant Council'.
- 33. In Schedule 5, Condition 10, after the words 'Within 1 years of the commencement of the development', insert 'after 6 May 2017'.

APPENDICES

34. In Appendix 1, delete the description of the land at the Borefields/water pipeline site, and replace with:

Lot 1 and 6 DP 598735 Lots 24 and 103 DP 752106 Lot 29 DP 752077

35. In Appendix 2, delete all figures and replace with:

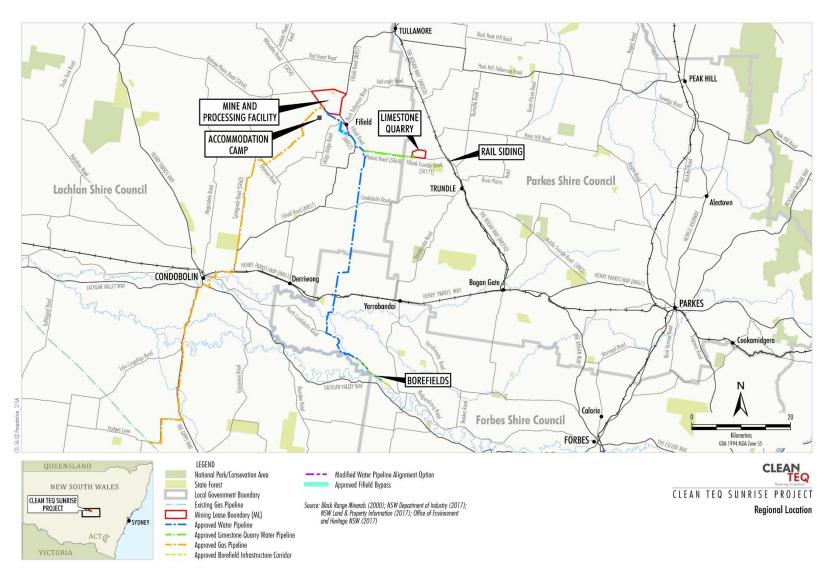


Figure 1: Development Components

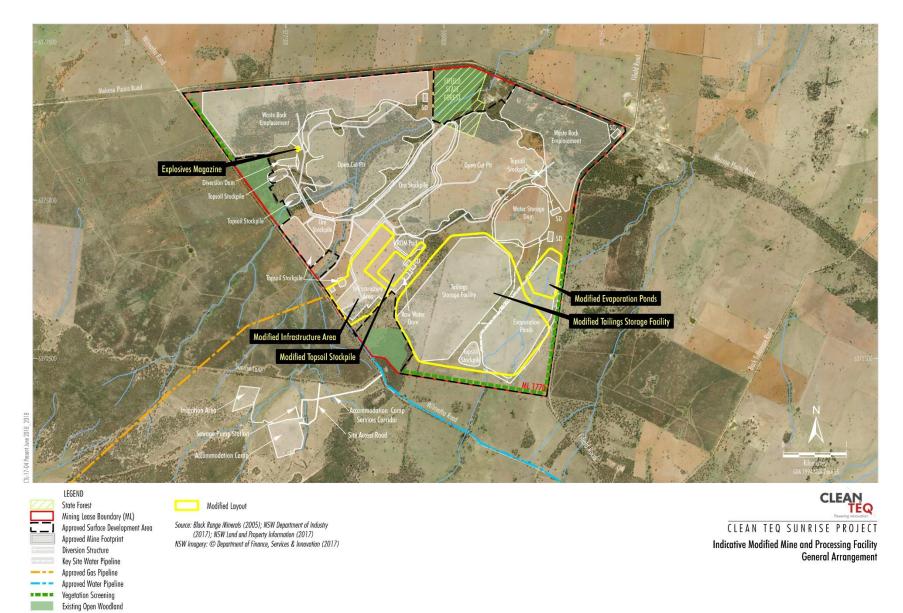


Figure 2: Mine and Processing Facility – General Layout

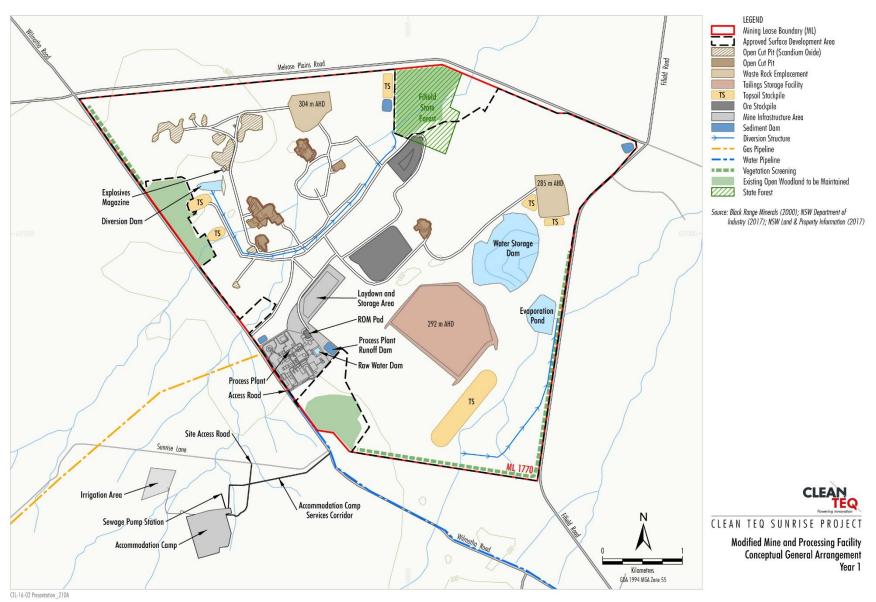


Figure 3: Mine and Processing Facility – Year 1

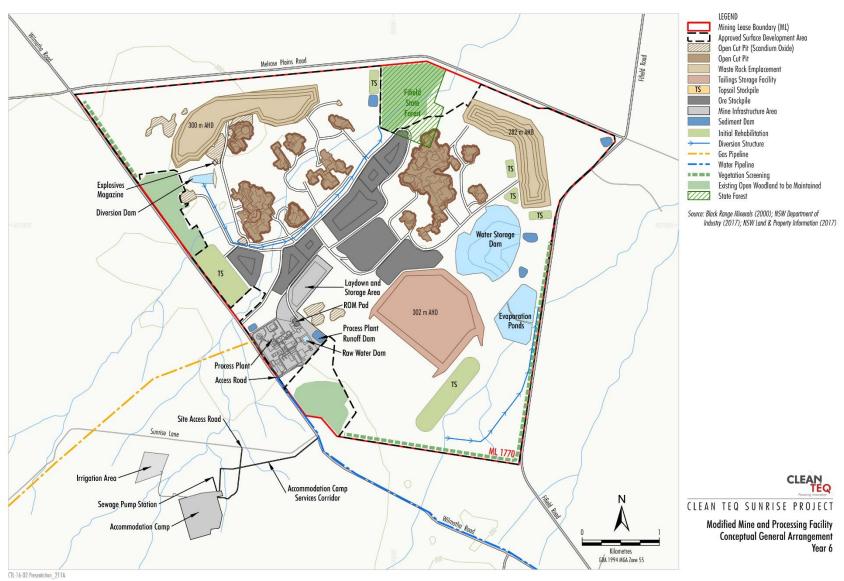


Figure 4: Mine and Processing Facility – Year 6

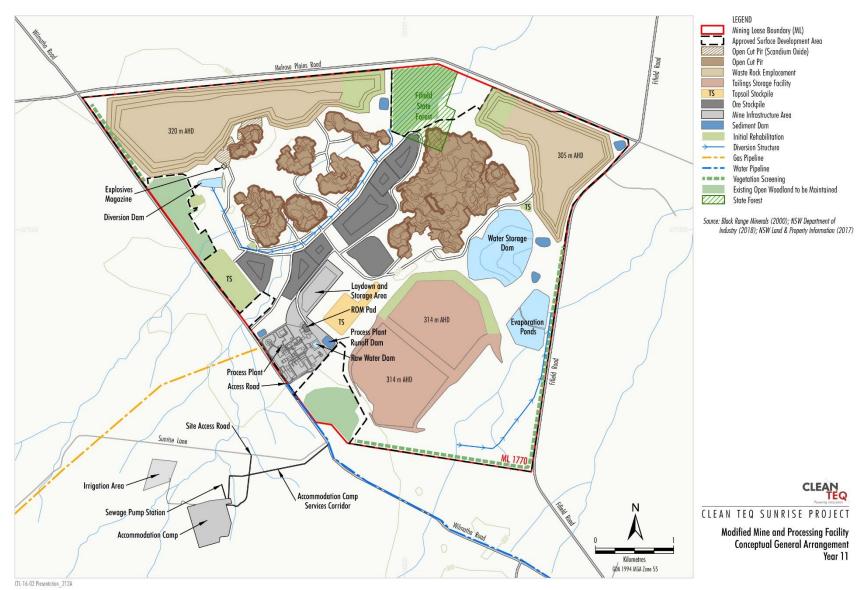


Figure 5: Mine and Processing Facility – Year 11

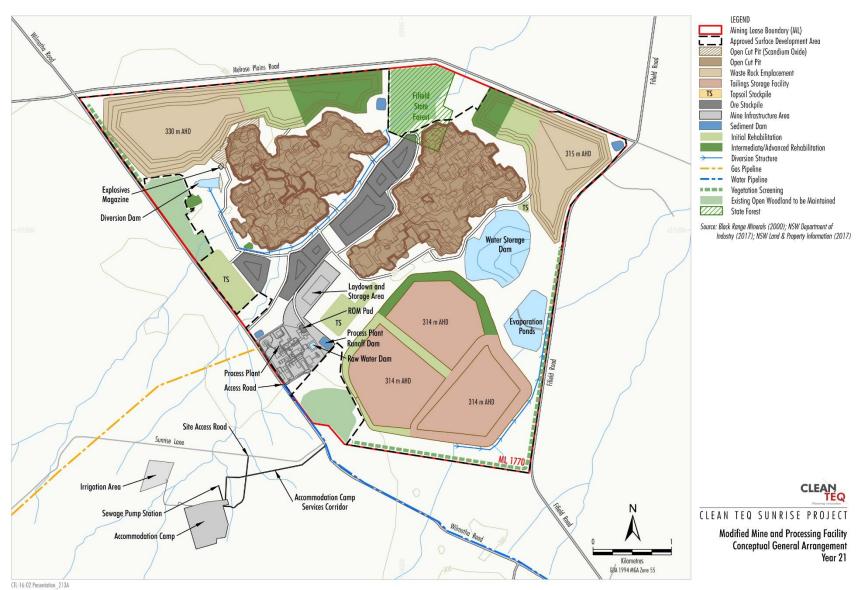


Figure 6: Mine and Processing Facility - Year 21

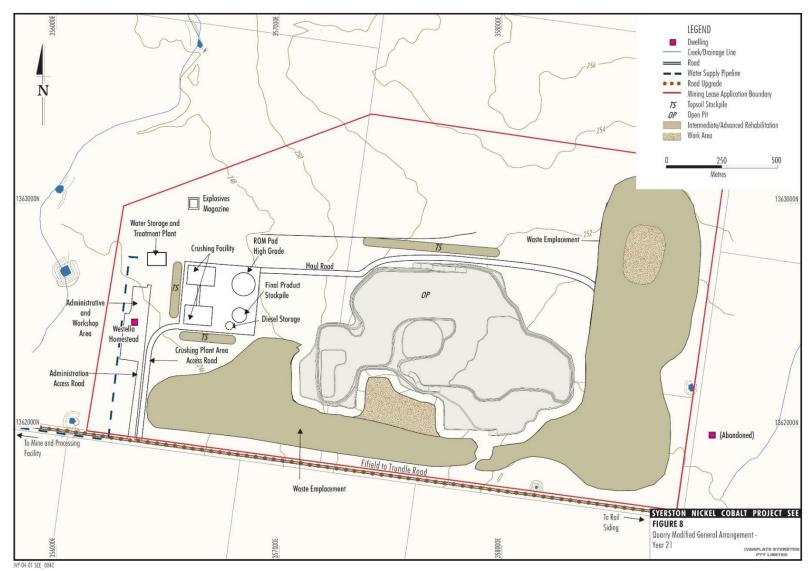


Figure 7: Limestone Quarry Layout

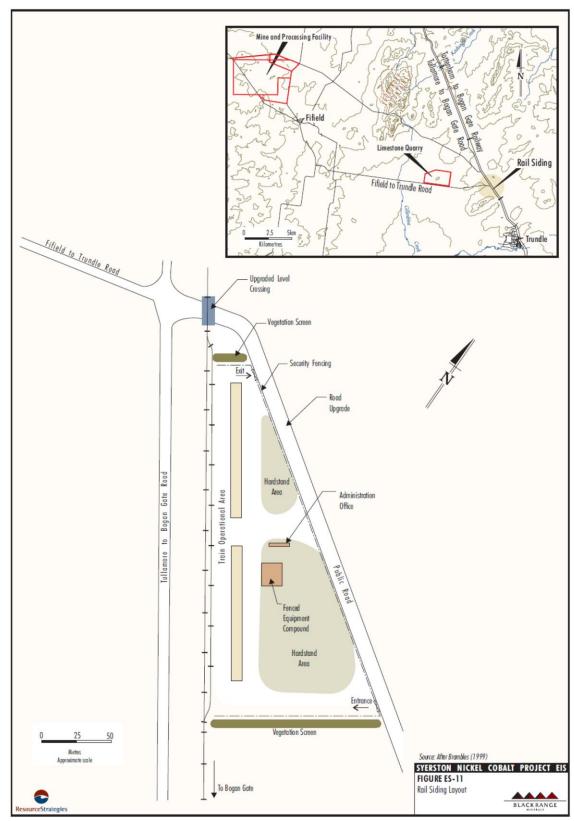


Figure 8: Rail Siding Layout

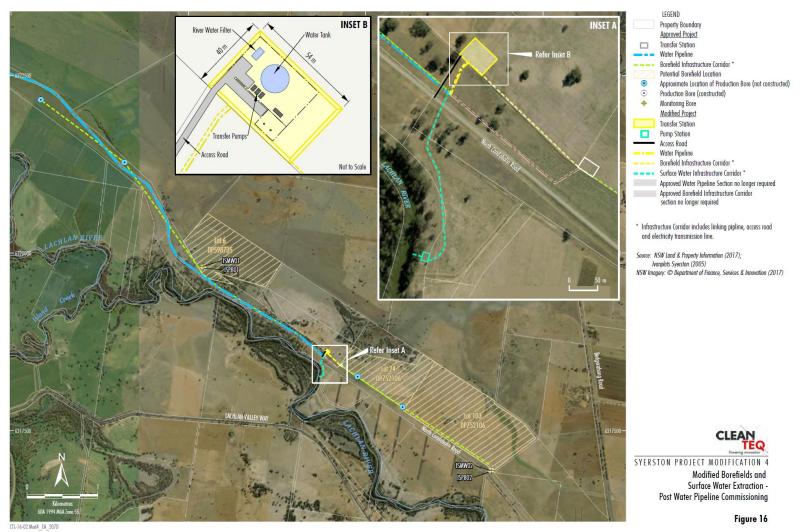


Figure 9: Borefields Layout

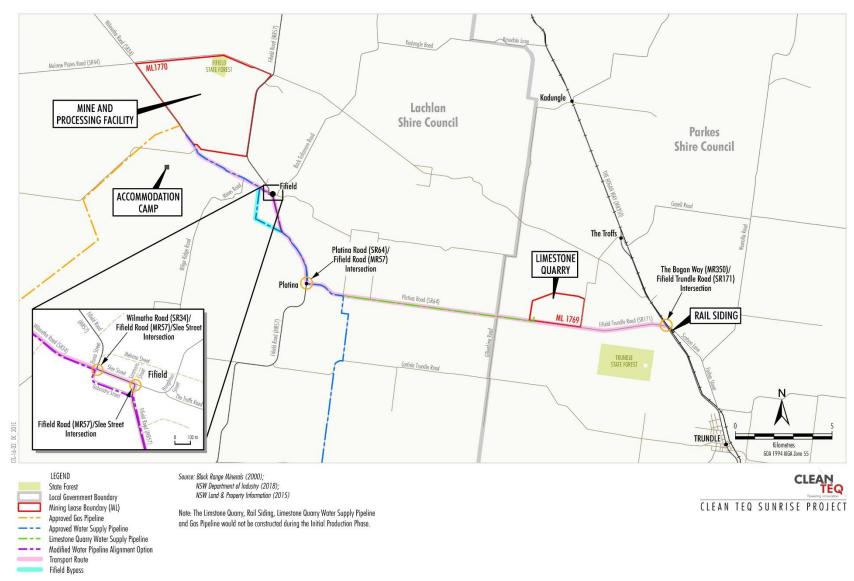


Figure 10: Transport Route

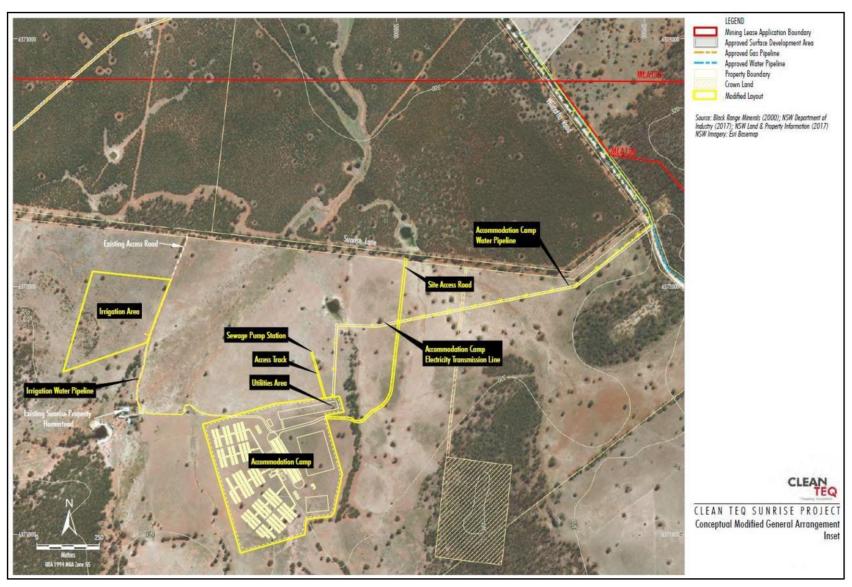


Figure 11: Accommodation Camp Layout

APPENDIX 3

TERMS OF VOLUNTARY PLANNING AGREEMENTS

Community Enhancement Contribution

- Clean TeQ shall pay an annual total payment of \$400,000 plus CPI to Forbes Shire Council (FSC), Parkes Shire Council (PSC) and Lachlan Shire Council (LSC).
- The total payment shall be allocated 50% to Lachlan Shire Council, with 25% each to Parkes Shire Council and Forbes Shire Council, unless otherwise determined jointly by FSC, LSC and PSC.
- The first payment of \$400,000 shall be payable within 21 days of signing of this Agreement and then paid on the same date each year until Mining Operations cease.

If the Final Investment Decision is not reached within 12 months of the initial payment, no further annual Community Enhancement Contributions will be made until the Final Investment Decision is reached. Once the Final Investment Decision is reached payments will resume within 21 days of the Final Investment Decision and continue annually.

Road Maintenance Contribution

- Clean TeQ shall pay an annual Road Maintenance Contribution totalling \$340,000 plus CPI as follows:
 - (i) Lachlan Shire Council: \$168,000
 - (ii) Parkes Shire Council: \$152,000
 - (iii) Forbes Shire Council: \$20,000
- The first annual contribution shall be paid within 21 days of the Final Investment Decision and then paid on the same date each year until Mining Operations cease.
- If the Final Investment Decision is not reached within 12 months of the initial payment, no further Road Maintenance Contributions shall be made until the Final Investment Decision is reached. Once the Final Investment Decision is reached, payments shall resume within 21 days of the Final Investment Decision payable annually on the same date.
- The Road Maintenance Contributions are to be used to maintain the following roads:

Parkes Shire Council

- Middle Trundle Road [SR83] (between Henry Parkes Way [MR61] and The Bogan Way [MR350]);
- The Bogan Way [MR350] (between Henry Parkes Way [MR61] and Fifield Trundle Road [SR171]);
- Fifield Trundle Road [SR171] (between The Bogan Way [MR350] and the Parkes Shire boundary):
- Fifield Road [MR 57] (between the Parkes Shire Boundary and The Bogan Way [MR350]);
- The Bogan Way [MR350] (between Fifield Road [MR57] and The McGrane Way [MR354]); and
- The McGrane Way [MR354] (between The Bogan Way [MR350] and the Parkes Shire Boundary).
- Scotson Lane between the rail siding access road and The Bogan Way [MR350].

Lachlan Shire Council

- Fifield Road [MR57] (between Henry Parkes Way [MR61] and Slee St [in Fifield Village] and between Slee St [in Fifield Village] and Red Heart Road [SR41]);
- o Platina Road [SR64] (between the Lachlan Shire Boundary and Fifield Road [MR57]);
- Slee St [in Fifield Village] (between Fifield Road [MR57] and Wilmatha Road [SR34]);
- o Wilmatha Road [SR34] (between Slee St [in Fifield Village] and Mine Access Road);and
- Fifield Road [MR57] (between Red Heart Road [SR41] and the Lachlan Shire Boundary).

Forbes Shire Council

- North Condobolin Road (between the bore fields and Ootha-Mulguthrie Road);
- Ootha-Mulguthrie Road (between North Condobolin Road and Henry Parkes Way [MR61]);
- Ootha- Ringwood Road (between Henry Parkes Way [MR61] and Burkes Road);
- o Burkes Road (between Ootha- Ringwood Road and Ootha North Road); and
- Ootha North Road (between Burkes Road and the Forbes Shire Boundary).
- Clean TeQ shall maintain Sunrise Lane (between the accommodation camp site access road and Wilmatha Road [SR34]), to the satisfaction of LSC, during the construction and operation phase of the mine and processing facility.

Project Facilitation Contribution

Clean TeQ shall pay LSC, PSC and FSC each an annual Project Facilitation Contribution of \$30,000 within 21 days of the Final Investment Decision and then on the same date each year thereafter. The payments are to be made during the period between Final Investment Decision and two years to the day after the commencement of construction.

Consumer Price Index

• The Community Enhancement Contribution, the Road Maintenance Contribution and the Project Facilitation Contribution are all subject to CPI. The three different contributions shall be indexed according to the CPI at the time of payments after the initial payment.

Major Repair Contributions

- Clean TeQ shall pay Major Repair Contributions on the Transport Route to address exceptional failure of or damage to roads where government grants do not cover the full cost of repairs.
- The Major Repair Contribution shall be undertaken on an as needs basis during the life of the mine, but limited to a maximum 5 km of construction in any year, unless mutually agreed between Clean TeQ and the relevant council(s).
- Clean TeQ shall pay the Major Repair Contribution to the Council(s) within 30 Business Days of the date of the letter notifying the relevant Council of acceptance of the Cost Report. These contributions are to be mutually agreed by the Parties and do not substitute for the nominated Road Maintenance Contributions.

Road and Intersection Upgrades

Clean TeQ shall pay for and be responsible for the following Road and Intersection Upgrades. Such upgrades shall commence promptly following the Final Investment Decision, or earlier at the sole discretion of Clean TeQ:

Road Upgrades

Prior to the commissioning of the Accommodation Camp, Clean TeQ shall pay for and require the completion of the upgrade of Sunrise Lane (between the Accommodation Camp access road and Wilmatha Road [SR34]) to the following:

- all weather unsealed surface for an operating speed standard of 80 km/h; and
- carriageway width of 9 m (equivalent to two 3.5 m lanes and two 1.0 m wide shoulders).

Construction of the Road and Intersection Upgrades are to commence promptly following the Final Investment Decision and be completed prior to the Commissioning of the Development.

Prior to the Commissioning of the Development (meaning the date on which the testing of the Mine Processing Facility to verify that it functions according to its design objectives and specifications is completed), Clean TeQ shall pay for and be responsible for the delivery of the following upgrades:

- road pavement (8.0 m sealed pavement and 1.0 m gravel shoulders); and
- all private access roads (3.5 m sealed private access road approach and 3.0 m gravel shoulders along road 30 m either side of all private access roads).

to the following roads:

Platina Road [SR64] (between the Lachlan Shire boundary and Fifield Road [MR57]);

- Fifield Road [MR57] (between Platina Road [SR64] and Slee St [in Fifield Village]);
- Wilmatha Road [SR34] (between Slee St [in Fifield Village] and the mine and processing facility access road); and
- Fifield Trundle Road [SR171] (between The Bogan Way [MR350] and the Parkes Shire boundary).

Clean TeQ shall prepare a road construction programme detailing the work specifications, timing and scheduling of road upgrades required. The programme shall be prepared by the Clean TeQ in consultation with the relevant Councils. The road upgrades shall be undertaken in accordance with the road construction programme unless otherwise agreed the relevant Councils.

Intersection Upgrades

Prior to the Commissioning of the Development (as defined in the VPA), Clean TeQ shall pay for the following intersection upgrades:

- Platina Road [SR64] /Fifield Road [MR57];
- Fifield Road [MR57] /Slee Street [in Fifield Village];
- Slee Street [in Fifield Village]/Wilmatha Road [SR34]/Fifield Road;
- The Bogan Way [MR350] /Fifield Trundle Road [SR171] and Scotson Lane:
- Henry Parkes Way [MR61] and Middle Trundle Road [SR83];
- Henry Parkes Way [MR61] and The Bogan Way [MR350]; and
- Sunrise Lane/Wilmatha Road [SR34] remove the transition between the gravel and dirt surfaces
 while Wilmatha Road remains unsealed, and then seal a minimum of 30 m of Sunrise Lane on
 the approach to the intersection once Wilmatha Road is sealed.

Clean TeQ shall prepare a road construction programme detailing the work specifications, timing and scheduling of intersection upgrades required. The programme shall be prepared by the Clean TeQ in consultation with the relevant Councils The road upgrades shall be undertaken in accordance with the road construction programme unless otherwise agreed the relevant Councils.

Road Safety Audits

Prior to Commissioning of the Development, Clean TeQ shall pay for and deliver a road safety audit to determine road upgrade requirements on the following roads (including intersections and rail crossings):

- Henry Parkes Way [MR61] (between Jones Lane [eastern outskirts of Condobolin] and Fifield Road [MR57]);
- Fifield Road [MR57] (between Henry Parkes Way [MR61] and Slee St [in Fifield Village] and between Slee St [in Fifield Village] and Red Heart Road [SR41]);
- Platina Road [SR64] (between the Lachlan Shire Boundary and Fifield Road [MR57]);
- Slee St [in Fifield Village] (between Fifield Road [MR57] and Wilmatha Road [SR34]);
- Wilmatha Road [SR34] (between Slee St [in Fifield Village] and Mine Access Road); and
- Fifield Road [MR57] (between Red Heart Road [SR41] and the Lachlan Shire Boundary);
- Henry Parkes Way [MR61] (between Westlime Road [western outskirts of Parkes] and The Bogan Way [MR350]);
- Middle Trundle Road [SR83] (between Henry Parkes Way [MR61] and The Bogan Way [MR350]):
- The Bogan Way [MR350] (between Henry Parkes Way [MR61] and Fifield Trundle Road [SR171]);
- Fifield Road [MR 57] (between the Parkes Shire Boundary and The Bogan Way [MR350]);
- The Bogan Way [MR350] (between Fifield Road [MR57] and The McGrane Way [MR354]);
- Fifield Trundle Road [SR171] (between The Bogan Way [MR350] and the Parkes Shire boundary); and
- The McGrane Way [MR354] (between The Bogan Way [MR350] and the Parkes Shire Boundary).

Prior to the Commissioning of the Development, Clean TeQ shall reach an agreement with the relevant Councils on funding and the timing of works as to any additional, specific road safety matters relevant to the Project as deemed necessary by the road safety audit.

37. In Appendix 4, delete the figures and replace with:

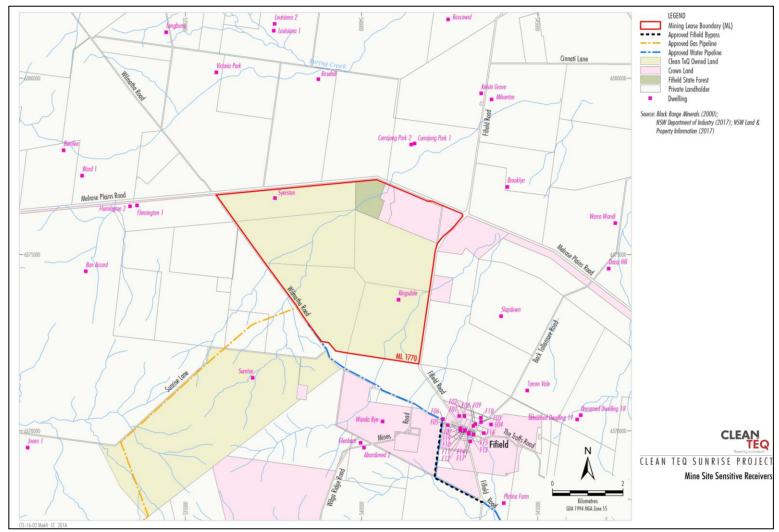


Figure 8: Residences surrounding the mine



Figure 9: Residences surrounding the quarry

38. In Appendix 5:

- (a) After 'Middle Trundle Road', insert '(including a Channelised Right Short [CHR(s)] turn lane in Henry Parkes Way)';
- (b) after '3. Further road and intersection upgrades...rail siding' insert ', or transport of limestone from third party suppliers'; and
- (c) after paragraph (k), insert the following; 'and
 - (I) Forbes Street improvement works, in accordance with the Pedestrian Access Review (GTA Consultants, 2018), unless otherwise agreed with the Parkes Shire Council'