

Appendix 1

2021 Internal Compliance Review

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Part 1 - Project Approval 10_0183

Colour Code for Compliance Assessment

-  Compliant
-  Compliant Ongoing / In Progress
-  Non-compliant
-  Administrative Non-Compliance
-  Noted / Not Applicable / Not Yet Applicable
-  Not Activated / Not Yet Activated

Part 1 - Project Approval 10_0183

Condition No.	Project Approval condition	Verification	Comments	Compliance
SCHEDULE 2 ADMINISTRATIVE CONDITIONS				
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT				
1.	In addition to meeting the specific performance criteria established under this approval, the Proponent must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or rehabilitation of the project.			Noted
TERMS OF APPROVAL				
2.	The Proponent, in acting on this approval, must carry out the project: (a) in compliance with the conditions of this approval; (b) in accordance with the statement of commitments; and (c) in accordance with all written directions of the Secretary.	<ul style="list-style-type: none"> Environmental Assessment, Nov 2011 Environmental Assessment, Section 6 Statement of Commitments, Nov 2011 Project Approval 10_0183 Environmental Assessment (MOD1) (March 2018) 	<p>The Teralba Quarry Extension Project is being developed generally in accordance with the Environmental Assessment November 2011, and the Environmental Assessment for Modification 1, the conditions of Project Approval (as modified) and general layout of the project presented in Appendix 1 and Appendix 2 of the Project Approval. The following non-compliances to PA10_0183 occurred during the reporting period.</p> <ul style="list-style-type: none"> noise criteria exceedances at two properties. 	Non-Compliant
2A.	The Proponent, in acting on this approval, must carry out the project: (a) generally in accordance with the EA; (b) generally in accordance with the EA (Mod 1); and (c) generally in accordance with the project layout. <i>Notes:</i> <ul style="list-style-type: none"> The general layout of the project is shown in Appendix 1 and Appendix 2. The statement of commitments is reproduced in Appendix 3. 			
3.	If there is any inconsistency between the documents identified in condition 2A, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.			Noted
4.	Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to: (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Secretary; and (b) the implementation of any actions or measures contained in any such document referred to in (a) above.		No requests were made in 2021.	Noted

Condition No.	Project Approval condition	Verification	Comments	Compliance
4A.	The Proponent must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of: (a) any strategies, plans, programs, reviews, audits, reports or correspondence submitted in accordance with this approval (including any stages of these documents); (b) any reviews, reports or audits commissioned by the Department regarding compliance with this approval; and (c) the implementation of any actions or measures contained in these documents.		Metromix has prepared and submitted the reports, strategies, plans, programs, reviews, audits required by the conditions of this Project Approval.	Compliant Ongoing
COMPLIANCE				
4B.	The Proponent must ensure that all employees, contractors and sub-contractors are made aware of, and instructed to comply with, the conditions of this approval relevant to activities they carry out in respect of the project.			Noted
LIMITS ON APPROVAL				
Quarrying Operations				
5.	The Proponent may carry out quarrying operations on the site until 31 December 2038. <i>Note: Under this approval, the Proponent is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this approval will continue to apply in all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out to a satisfactory standard.</i>			Noted
Extractive Material Limits				
6.	The Proponent must not carry out quarrying operations below 20m AHD in the Southern Extension Area or below 24 m AHD in the Mid Pit Extraction and Northern Extension Areas. <i>Note: This condition does not apply to the construction of any bores approved by NOW or pollution and sediment control structures described in the EA.</i>		Quarrying operations have not occurred to below 20m AHD in the Southern Extraction or Southern Extension Area, or below 24 m AHD in the Mid Pit Extraction and Northern Extension Areas.	Compliant Ongoing
7.	The Proponent must not extract more than 1.2 million tonnes of extractive materials from the site in any calendar year.		Extraction of materials from the Teralba Quarry site was less than 1.2 million tonnes from January 2021 to December 2021 (approximately 721 114t).	Compliant
Extractive Material Transport				
8.	The Proponent must not: (a) transport more than 1 million tonnes of quarry products from the site in any calendar year; or (b) dispatch more than 326 laden trucks from the site on any day; or (c) dispatch more than 241 laden trucks per day or 20 per hour westwards along Rhondda Road; (d) dispatch more than 85 laden trucks per day or 8 per hour eastwards through Teralba; (e) dispatch laden trucks for travel through Teralba between 6 pm and 6 am; or	<ul style="list-style-type: none"> Teralba Truck Movements, January 2021 to December 2021 	Transport of extracted materials from the Teralba Quarry between January 2021 and December 2021 indicated: (a) less than 1 million tonnes of extracted material were transported from the site between January 2021 and December 2021; (b) laden trucks dispatched from the Teralba Quarry site did not exceed 326 on any day; (c) laden trucks travelling westwards along Rhondda Road did not exceed 241 per day or 20 per hour period;	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance										
	(f) receive un-laden trucks via the Railway Street entrance between 6 pm and 7 am.		(d) laden trucks travelling eastwards through Teralba did not exceed 85 per day; (e) laden trucks have not travelled eastward through Teralba prior to 6am; (f) un-laden trucks were not received via the Railway Street entrance between 6pm and 7am.											
9.	<p>The Proponent must shall limit the total hourly truck dispatch rates from the site to the levels shown in Table 1.</p> <p><i>Table 1 – Truck Dispatch Hours</i></p> <table><tr><th>Dispatch Period</th><th>Max Hourly Dispatch</th></tr><tr><td>6:00am – 7:00am</td><td>Up to 28 loaded trucks</td></tr><tr><td>7:00am – 6:00pm</td><td>Up to 20 loaded trucks</td></tr><tr><td>6:00pm – 5:00am</td><td>Up to 6 loaded trucks</td></tr><tr><td>5:00am – 6:00am</td><td>Up to 12 loaded trucks</td></tr></table> <p><i>Note: Dispatch times and maximum hourly rates westwards along Rhondda Road or eastwards through Teralba are further limited by condition 8 above.</i></p>	Dispatch Period	Max Hourly Dispatch	6:00am – 7:00am	Up to 28 loaded trucks	7:00am – 6:00pm	Up to 20 loaded trucks	6:00pm – 5:00am	Up to 6 loaded trucks	5:00am – 6:00am	Up to 12 loaded trucks	See Teralba Truck Movement numbers	Hourly dispatch rates were at or within project approval rates in 2021.	Compliant
Dispatch Period	Max Hourly Dispatch													
6:00am – 7:00am	Up to 28 loaded trucks													
7:00am – 6:00pm	Up to 20 loaded trucks													
6:00pm – 5:00am	Up to 6 loaded trucks													
5:00am – 6:00am	Up to 12 loaded trucks													
Receival of Concrete, Virgin Excavated Natural Material and Excavated Natural Material														
10.	The Proponent must not receive on site more than 120 tonnes of recycled concrete per day or stockpile more than 2,500 tonnes of concrete material on the site.		<p>A total of approximately 7 126t of concrete washout were imported to the pugmill area (the application area for EPL 13015) during the reporting period and 6 527t of concrete washout was processed into recycled concrete roadbase product. These levels remain consistent with approved operations.</p> <p>No more than 2,500t of material is stored at the Quarry Site (separate to the area specified in EPA Licence No 13015 for the former Civil Lake site).</p>	Compliant										
11.	The Proponent must not receive on site more than 100,000 tonnes of virgin excavated natural material or excavated natural material in any calendar year.		No VENM or ENM received from January 2021 to December 2021.	Compliant										
SURRENDER OF CONSENTS														
12.	<p>By the end of December 2013, or as otherwise agreed by the Secretary, the Proponent must surrender the development consent (DA 130/42) for existing operations on the site in accordance with Section 104A of the EP&A Act.</p> <p><i>Note: The conditions or other requirements of this project approval do not prevent the continued carrying out of development which may be undertaken pursuant to DA 130/42, prior to the surrender of that consent.</i></p>	Letter to DP&I re Surrender of DA 130/42 , 23 Dec 2013	Metromix surrendered DA 130/42 on 23 December 2013.	Compliant										
STRUCTURAL ADEQUACY														
13.	<p>The Proponent must ensure that any new buildings and structures, and any alterations, or additions to existing buildings and structures, are constructed:</p> <p>a) in accordance with the relevant requirements of the BCA; and</p> <p>b) to the satisfaction of the Subsidence Advisory NSW.</p> <p>Notes:</p>		No new buildings were constructed on site between January 2021 and December 2021.	Not Applicable										

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works. Part 8 of the EP&A Regulation sets out the requirements for the certification of the project. Under Section 15 of the Mine Subsidence Compensation Act 1961 the Proponent is required to obtain approval from the Subsidence Advisory NSW for the construction, erection or alteration of any improvements on the site. 			
DEMOLITION				
14.	The Proponent must ensure that all demolition work on site is carried out in accordance with AS 2601-2001: The Demolition of Structures, or its latest version.		No demolition of buildings or structures occurred between January 2021 and December 2021.	Not Applicable
PROTECTION OF PUBLIC INFRASTRUCTURE				
15.	The Proponent must: <ul style="list-style-type: none"> (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project. 		No public infrastructure was damaged or relocated as a result of the project between January 2021 and December 2021.	Not Activated
PLANNING AGREEMENT				
16.	<p>Within 12 months of the date of this approval, unless otherwise agreed by the Secretary, the Proponent must enter into a planning agreement with the Council in accordance with Division 6 of Part 4 of the EP&A Act that provides for payment to the Council for road maintenance levies. The agreement must include provision for those matters set out in condition 17 below.</p> <p>If there is any dispute between the Proponent and Council relating to the preparation or implementation of the planning agreement, then either party may refer the matter to the Secretary for resolution.</p>		<p>Metromix has consulted with the Council in relation to a planning agreement in accordance with Division 6 of Part 4 of the EP&A Act that provides for payment to the Council for road maintenance levies.</p> <p>Metromix agreed to pay the Council the \$0.066/t/km plus rise and fall.</p>	Compliant
ROAD MAINTENANCE				
17.	<p>During the life of the project, for each calendar year, the Proponent must pay Council \$0.066 per tonne per kilometre for every tonne of quarry products transported from the site on roads for which Council is liable for road maintenance funding. Each payment must be:</p> <ul style="list-style-type: none"> (a) based on weighbridge records of the quantity of quarry products transported from the site; (b) paid by the date required by the invoice issued by Council; and (c) increased over the life of the project in accordance with the CPI. 		Six monthly payments to Council are in place and a planning agreement has been registered on the title.	Compliant Ongoing
OPERATION OF PLANT AND EQUIPMENT				
18.	The Proponent must ensure that all plant and equipment used at the site is: <ul style="list-style-type: none"> (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner. 		Metromix has a workshop on-site and the Metromix plant and equipment used on site is maintained and operated in a proper and efficient condition	Compliant Ongoing
STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM				
19.	With the approval of the Secretary, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis. <i>Notes:</i>	<ul style="list-style-type: none"> Environmental Management Strategy, 2018 	An update to the Noise Management Plan was submitted for approval on 10 December 2021.	Compliant Ongoing

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times; and If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program. 	<ul style="list-style-type: none"> Air Quality Management Plan, 2019 Blast Management Plan, 2020 Noise Management Plan, 2018 Transport Management Plan, 2019 Waste Management Plan, 2019 Water Management Plan, 2020 Biodiversity and Rehabilitation Management Plan, 2019 Heritage Monitoring and Management Plan 2019 Lower Level Management Plan 2018 		
PRODUCTION DATA				
20.	The Proponent must: (a) provide annual quarry production data to DRG using the standard form for that purpose; and (b) include a copy of this data in the Annual Review (see condition 4 of Schedule 5).		Annual production data for July 2020 to June 2021 was reported to MEG (formerly known as DRG) and the data will be included in the Annual Review (see Appendix 2).	Compliant Ongoing
SCHEDULE 3				
ENVIRONMENTAL PERFORMANCE CONDITIONS				
IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION				
1.	Prior to carrying out quarrying operations under this approval, the Proponent must: (a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the Extraction Areas; and (b) submit a survey plan of these boundaries to the Secretary.	<ul style="list-style-type: none"> Boundary Survey Plan, Southern Extension, Moutrie Survey, Jun 2013 Compendium of Documents for DP&I, Sep 2013 	The boundaries of the approved limits of extraction for the Teralba Quarry lease activities have been marked out by a registered surveyor and the boundaries marked with coloured poles for the various activity areas.	Compliant
2.	While ever quarrying operations are being carried out, the Proponent must ensure that these boundaries are clearly marked at all times in a permanent manner that allows operating staff and inspecting officers to clearly identify the limits of extraction within the Southern, Southern Extension, Mid Pit and Northern Extension Extraction Areas.		<p>The boundaries of the approved limits of the Teralba Quarry lease activities have been marked with coloured poles for the various areas:</p> <ul style="list-style-type: none"> White poles - Stage 1A, Yellow poles – quarry extraction limits Blue poles - Pugmill Area Green poles – Downer EDI <p>Signage is to be placed on the posts to specifically identify each of the active areas of works within the Teralba Quarry lease boundaries.</p>	Compliant Ongoing

Condition No.	Project Approval condition	Verification	Comments	Compliance
EXTRACTION MANAGEMENT				
Operating Conditions				
3.	The Proponent must ensure that: (a) the underlying historical coal workings within the Great Northern coal seam pose not greater than a negligible risk to the safety of quarry workers, including risks from sudden unplanned collapses, release of noxious gases or explosion of flammable gases; and (b) quarrying operations pose not greater than a negligible risk to the heating or combustion of the underlying historical coal workings within the Great Northern coal seam.	<ul style="list-style-type: none"> Teralba Quarry Extension Geotechnical Assessment, Mar 2006 Preliminary comments on Quarry Operations – Interactions with On-site Coal Resource, 28 Nov 2012 Lower Level Extraction Plan 2016. 	<p>The management of the Teralba Quarry operations above the underlying historical coal workings within the Great Northern coal seam address the requirements that the safety of quarry workers, including risks from sudden unplanned collapses, release of noxious gases or explosion of flammable gases and the risk of heating or combustion of the underlying historical coal workings within the Great Northern coal seam, are considered and management measures implemented to ensure negligible risk.</p> <p>An on-site audit of the ground and strata management protocols in place at the Quarry was undertaken by the Resources Regulator on 16 November 2021. During this audit, Quarry personnel advised the Resources Regulator inspectors of the proposed plans for management of subsidence underneath Bench 5 in the vicinity of Stage 1B which was identified during the 2019 reporting period. Additional cavities in the area were also identified during the during the 2021 reporting period, which likely occurred as a result of dykes within the rock unit being extracted and geotechnical constraints arising from historical underground mine workings. It was advised that the inspector who issued the prohibition notice must be notified prior to commencement of blasting in the area as they are the approval authority regarding lifting the prohibition notice.</p> <p>This continues to be managed in accordance with the Lower Level Extraction Management Plan. Gas monitoring is undertaken as needed.</p>	Noted
Lower Level Extraction Management Plan				
4.	The Proponent must prepare and implement a Lower Level Extraction Plan for all extraction activities within 17.5 vertical metres of historical coal workings within the Great Northern coal seam, to the satisfaction of the Secretary. This plan must: (a) be submitted for approval to the Secretary prior to undertaking any such quarrying operations and within 12 months of the date of this approval; (b) be prepared by suitably qualified persons approved by the Secretary; (c) provide for the achievement of the measures set out in condition 3 above; (d) describe the measures that would be implemented to ensure:	<ul style="list-style-type: none"> Lower Level Extraction Plan, September 2016 Teralba Quarry Extension Geotechnical Assessment, Mar 2006 Preliminary comments on Quarry Operations – 	A Lower Level Extraction Management Plan was completed in September 2016 and approved in November 2016. Extraction above the coal seam commenced in early 2017.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> best management practice quarrying operations are being employed on site; individual responsibilities of workers, contractors and management are detailed and understood; and compliance with the relevant conditions of this approval; 	Interactions with On-site Coal Resource, 28 Nov 2012		
	<p>(e) include a Spontaneous Combustion Management Plan, which has been prepared in consultation with DRG and Oceanic Coal Pty Ltd, to manage the potential risks and impacts of spontaneous combustion or heating of coal, and which:</p> <ul style="list-style-type: none"> includes a detailed assessment, of the risks of spontaneous combustion and subsurface heating for each of the existing and proposed Extraction Areas; clearly identifies responsibilities to address management of spontaneous combustion and subsurface heating risks, for both day to day operations and long term management; and includes appropriate short and long term contingency plans. <p>The Proponent must implement the plan as approved by the Secretary.</p>			

NOISE

5.	<p>The Proponent must ensure that the noise generated by the project does not exceed the criteria in Table 2 at any residence on privately-owned land.</p> <p><i>Table 2: Noise criteria dB(A)</i></p> <table border="1"> <thead> <tr> <th>Location</th><th>Day 6-7am</th><th>Day 7am-6pm</th><th>Evening 6-10pm</th><th>Night 10pm-6am</th></tr> </thead> <tbody> <tr> <td>A</td><td>38</td><td>38</td><td>37</td><td>35</td></tr> <tr> <td>B</td><td>42</td><td>46</td><td>36</td><td>35</td></tr> <tr> <td>C</td><td>42</td><td>42</td><td>35</td><td>35</td></tr> <tr> <td>D, E, G, H, I</td><td>35</td><td>35</td><td>35</td><td>35</td></tr> <tr> <td>F</td><td>37</td><td>38</td><td>38</td><td>35</td></tr> </tbody> </table> <p><i>Notes:</i></p> <ul style="list-style-type: none"> Receiver locations are shown in Figure 2 Appendix 1. Noise generated by the project is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy. <p>However, these criteria do not apply if the Proponent has a written agreement with the relevant landowner to exceed the criteria, and the Proponent has advised the Department in writing of the terms of this agreement.</p>	Location	Day 6-7am	Day 7am-6pm	Evening 6-10pm	Night 10pm-6am	A	38	38	37	35	B	42	46	36	35	C	42	42	35	35	D, E, G, H, I	35	35	35	35	F	37	38	38	35	<p>Noise compliance reporting prepared by Spectrum Acoustics</p> <p>Landowner contracts</p>	<p>Noise monitoring over the period 16 to 18 August 2021 identified the following exceedances of the nominated criteria.</p> <ul style="list-style-type: none"> Location EPL D – Noise levels were measured during the daytime period at 38dB(A) on 16 August and 40dB(A) on 17 August 2021, and 38dB(A) during the morning shoulder period and 37dB(A) during the evening period on 17 August 2021 (criteria 35dB(A)). Location EPL E – noise levels were measured at 38dB(A) during the daytime period on 16 August 2021 (criteria 35dB(A)). <p>Additional noise monitoring was undertaken at the above locations in November 2021. No further exceedances were identified during this monitoring campaign. The resulting report was provided to DPIE, and correspondence from DPIE dated 17 November 2021 noted that as there had been no sustained exceedances, the Department considered that there had been no breach of PA 10_0183. In order to prevent any future noise criteria exceedances, the Noise Management Plan for the Quarry was updated to include the following additional management and mitigation measures.</p> <ul style="list-style-type: none"> Bulldozer operations above RL60 AHD will be conducted between 7:00am and 6:00pm only. 	Non-Compliant
Location	Day 6-7am	Day 7am-6pm	Evening 6-10pm	Night 10pm-6am																														
A	38	38	37	35																														
B	42	46	36	35																														
C	42	42	35	35																														
D, E, G, H, I	35	35	35	35																														
F	37	38	38	35																														

Condition No.	Project Approval condition	Verification	Comments	Compliance																
			<ul style="list-style-type: none">• Protocols will be established to ensure that Quarry activities above RL60 will be limited to no more than four earthmoving plant at any one time.• Any mobile crushing and screening activities in Stage 1 and 2 of the southern extraction area will occur below RL 60 AHD. <p>The updated Noise Management Plan was supplied to DPIE on 10 December 2021 and approved on 14 January 2022.</p> <p>Landowners at 8 Rhondda Rd (Location C) and 63 Victoria St (Location F) Teralba agreed not to continue monitoring at their address, however, reserve the right to request the re-instatement of noise monitoring if required.</p>																	
Hours of Operation																				
6.	<p>The Proponent must comply with the operating hours set out in <i>Table 3: Operating Hours</i></p> <table><tr><th>Day</th><th>Receipt of Concrete or VENM</th><th>Loading/Dispatch of trucks</th><th>Extraction & Processing Operations</th></tr><tr><td>Mon-Fri</td><td>7am – 5pm</td><td>4am Monday to Midnight Friday</td><td>7am – 7pm</td></tr><tr><td>Saturday</td><td>7am – 2pm</td><td>Midnight Friday to 6pm Saturday</td><td>7am – 2pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td><td>None</td><td>None</td></tr></table> <p><i>Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.</i></p>	Day	Receipt of Concrete or VENM	Loading/Dispatch of trucks	Extraction & Processing Operations	Mon-Fri	7am – 5pm	4am Monday to Midnight Friday	7am – 7pm	Saturday	7am – 2pm	Midnight Friday to 6pm Saturday	7am – 2pm	Sundays and Public Holidays	None	None	None		<p>All activities at the Teralba Quarry occurred within the approved operating hours during the period from 1 January 2021 to 31 December 2021.</p>	Compliant
Day	Receipt of Concrete or VENM	Loading/Dispatch of trucks	Extraction & Processing Operations																	
Mon-Fri	7am – 5pm	4am Monday to Midnight Friday	7am – 7pm																	
Saturday	7am – 2pm	Midnight Friday to 6pm Saturday	7am – 2pm																	
Sundays and Public Holidays	None	None	None																	
Operating Conditions																				
7.	<p>The Proponent must:</p> <ul style="list-style-type: none">(a) implement best practice noise management to minimise the construction, operational and traffic noise of the project;(b) minimise the noise impacts of the project during meteorological conditions when the noise limits in this approval do not apply;(c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant is not used operationally until fully repaired;(d) regularly assess noise monitoring data and relocate, modify, and/or stop operations on site to ensure compliance with the relevant conditions of this approval; to the satisfaction of the Secretary.	<ul style="list-style-type: none">• Noise Management Plan 2021	<p>The Noise Management Plan Section 9 outlines control measures to be implemented and describes the noise management practices to be implemented on the site:</p> <ul style="list-style-type: none">(a) Section 9.4 addresses noise management associated with Traffic Operations (e.g. beepers have been removed and vehicles and equipment fitted with quackers to reduce noise emissions);(b) Section 9.3 addresses operational noise management under adverse weather conditions;(c) Section 9.3 addresses effectiveness of any noise suppression equipment on plant and maintenance to ensure defective plant is not operated until it is fully repaired.(d) Section 10 outlines Evaluation of Compliance	Compliant																

Condition No.	Project Approval condition	Verification	Comments	Compliance												
Noise Management Plan																
8.	<p>The Proponent must prepare and implement a Noise Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be submitted for approval to the Secretary within 4 months of the date of this approval;</p> <p>(b) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none">• best management practice is being employed on site;• the noise impacts of the project are minimised during any meteorological conditions when the noise limits in this approval do not apply; and• compliance with the relevant conditions of this approval; <p>(c) describe the proposed noise management system in detail; and</p> <p>(d) include a monitoring program that:</p> <ul style="list-style-type: none">• is capable of regularly evaluating the performance of the project, including noisy individual items of plant, such as haulage trucks and the bulldozer;• includes a protocol for determining any exceedances of the relevant conditions in this approval at locations listed in Table 2; and• evaluates and reports on the effectiveness of the noise management system on site. <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none">• Noise Management Plan, 2021	<p>An updated Noise Management Plan was approved on 14 January 2022.</p> <p>(a) The original Noise Management Plan was submitted to DP&I on 31 July 2013;</p> <p>(b) The updated Noise Management Plan was approved on 14 January 2022;</p> <p>(c) The Noise Management Plan Section 9 describes Control Measures for noise from the quarry and transport operations, and management under adverse weather conditions. Section 10 describes Noise Monitoring Protocol and Evaluation of Compliance.</p> <p>(d) The Noise Management Plan describes the overall noise management system</p> <p>(e) Noise Management Plan Section 10 describes the Noise Monitoring Protocol and Evaluation of Compliance.</p> <p>(f) Noise Management Plan Section 11 addresses Corrective and Preventative Actions and Section 12 address Information and Communication and Incident Reporting.</p>	Compliant												
BLASTING																
Blasting Criteria																
9.	<p>The Proponent must ensure that the blasting on the site does not cause exceedances of the criteria in Table 4.</p> <p>Table 4: Blasting criteria</p> <table><tr><th>Location</th><th>Airblast Overpressure (dB(Lin Peak))</th><th>Ground Vibration (mm/s)</th><th>Allowable Exceedance</th></tr><tr><td></td><td>120</td><td>10</td><td>0%</td></tr><tr><td></td><td>115</td><td>5</td><td>5% of the total number of blasts over a 12 mth period</td></tr></table> <p>However, these criteria do not apply if the Proponent has a written agreement with the relevant owner or infrastructure provider / owner, and the Proponent has advised the Department in writing of the terms of this agreement.</p>	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	Allowable Exceedance		120	10	0%		115	5	5% of the total number of blasts over a 12 mth period		<p>26 blasts were conducted between January 2021 and December 2021, all of which were monitored. There were no recorded vibration measurements greater than 5mm/s and all blasts recorded overpressure less than 115bB(L).</p> <p>No agreements have been made with any relevant landowners in relation to blasting.</p>	Compliant
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	Allowable Exceedance													
	120	10	0%													
	115	5	5% of the total number of blasts over a 12 mth period													
Blasting Hours																
10.	<p>The Proponent must only carry out blasting on site between 10 am and 4 pm Monday to Friday inclusive. No blasting is allowed on weekends or public holidays, or at any other time without the written approval of Secretary.</p>	<ul style="list-style-type: none">• Blast Monitoring Results Teralba Quarry, 2021 – Appendix 2	<p>All blasts conducted at the Teralba Quarry have occurred between 10:00am and 4:00pm, i.e. between 11:13am and 3:44pm.</p>	Compliant												

Condition No.	Project Approval condition	Verification	Comments	Compliance
Blasting Frequency				
11.	The Proponent must not carry out more than 1 blast a day on site, unless an additional blast is required following a blast misfire. <i>Note: A blast may involve a number of explosions within a short period, typically less than two minutes.</i>	<ul style="list-style-type: none"> Blast Monitoring Results Teralba Quarry, 2021 – Appendix 2 	All blast conducted in 2021 were single blasts.	Compliant
Property Inspections				
12.	If the Proponent receives a written request from the owner of any privately-owned land within 500 m of proposed blasting for a property inspection to establish the baseline condition of any buildings and/or structures on his/her land, or to have a previous property inspection report updated, then within 2 months of receiving this request the Proponent must: <ul style="list-style-type: none"> (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to: <ul style="list-style-type: none"> establish the baseline condition of any buildings and/or structures on the land, or update the previous property inspection report; and identify any measures that should be implemented to minimise the potential blasting impacts of the project on these buildings and/or structures; and (b) give the landowner a copy of the new or updated property inspection report. 		No written requests were received during the reporting period.	Not Activated
Property Investigations				
13.	If the owner of any privately-owned land claims that the buildings and/or structures on his/her land <ul style="list-style-type: none"> have been damaged as a result of blasting on site, then within 2 months of receiving this claim in writing from the landowner the Proponent must: 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. If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent must repair the damages to the satisfaction of the Secretary. If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Secretary for resolution.			Not Activated
Operating Conditions				
14.	During blasting operations, the Proponent must: <ul style="list-style-type: none"> (a) implement best management practice to: <ul style="list-style-type: none"> protect the safety of people and livestock in the surrounding area; protect public or private infrastructure/property in the surrounding area from any damage; and minimise the dust and fume emissions of any blasting; and (b) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site, to the satisfaction of the Secretary. 	<ul style="list-style-type: none"> Blast Management Plan, Dec 2020 	The Blast Management Plan provides <ul style="list-style-type: none"> (a) Section 7 Surrounding Residences and Potential Blast-Related Impacts and Section 8 Control Measures for properties, safety, fly-rock / dust / fume management, and airblast overpressure; (b) Section 14 addresses Publication of Blast Information on the Metromix website and monitoring results will also be presented at CCC Meetings. 	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
15.	<p>The Proponent must not undertake blasting within 500 metres of:</p> <p>(a) any public road without the approval of Council; or</p> <p>(b) any land outside the site not owned by the Proponent, unless:</p> <ul style="list-style-type: none"> the Proponent has a written agreement with the relevant landowner to allow blasting to be carried out closer to the land, and the Proponent has advised the Department in writing of the terms of this agreement, or the Proponent has: <ul style="list-style-type: none"> demonstrated to the satisfaction of the Secretary that the blasting can be carried out closer to the land without compromising the safety of the people or livestock on the land, or damaging the buildings and/or structures on the land; and updated the Blast Management Plan to include the specific measures that would be implemented while blasting is being carried out within 500 metres of the land. 		<p>Lake Macquarie City Council has confirmed approval for Metromix to blast within 400m of Rhondda Road, assuming that suitable notification is provided to Council and the control measures described in this document are implemented. The Blast Management Plan has been updated to reflect this change.</p> <p>Metromix has also demonstrated to the satisfaction of the Secretary that blasting may occur safely within 400m of land outside the Teralba Quarry and consulted with relevant landowners on the matter.</p>	Compliant
Blast Management Plan				
16.	<p>The Proponent must prepare and implement a Blast Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be submitted to the Secretary for approval within 4 months from the date of project approval;</p> <p>(b) be prepared in consultation with the Council and interested members of the local community potentially affected by blasting operations;</p> <p>(c) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> best management practice is being employed; and compliance with the relevant conditions of this approval; <p>(d) include a road closure management plan for blasting within 500 metres of a public road, that has been prepared in consultation with Council;</p> <p>(e) include a specific blast fume management protocol to demonstrate how emissions will be minimised including risk management strategies if blast fumes are generated; and</p> <p>(f) include a monitoring program for evaluating the performance of the project including:</p> <ul style="list-style-type: none"> compliance with the applicable criteria; and minimising fume emissions from the site. <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> Letter to DP&I re Submission of Blast Management Plan, 6 Sep 2013 Blast Management Plan, Sep 2013 Letter from DP&I re Approval of Blast Management Plan, 10 Oct 2013 Updated Blast Management Plan (Dec 2020) Letter from DPIE regarding approval of updated Blast Management Plan (December 2020) 	<p>A Blast Management Plan was prepared to satisfy Project Approval Schedule 3 condition 16 and submitted to DP&I on 6 September 2013. DP&I approved the Blast Management Plan on 10 October 2013. An updated Blast Management Plan was prepared and approved by DPIE in December 2020:</p> <p>(b) The updated Blast Management Plan was prepared in consultation with the Lake Macquarie City Council;</p> <p>(c) Blast Management Plan Section 8 presented Control Measures;</p> <p>(d) Blast Management Plan Section 7.2.3 states "Rhondda Road is approximately 400m north of the closest blasting location within the Southern Extension. Given these distances and the flyrock assessment by Orica, there will be no need to notify any residents or close Rhondda Road for short periods during a blast."</p> <p>(e) Blast Management Plan Section 7.2.4 addresses blast fume potential and management;</p> <p>(f) Blast Management Plan Section 9 provides blast and fume monitoring and Section 10 addresses Evaluation of Compliance.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance																							
AIR QUALITY																											
Air Quality Criteria																											
17.	<p>The Proponent must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not exceed the criteria in Tables 5 to 7 at any residence on privately- owned land, or on more than 25% of any privately-owned land.</p> <p>Table 5: Long-Term Impact Assessment Criteria for Particulate Matter</p> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Total Suspended Particulates</td><td>Annual</td><td>90µg/m3</td></tr><tr><td>Particulate Matter <10 µm (PM10)</td><td>Annual</td><td>30 µg/m3</td></tr></table> <p>Table 6: Short Term Impact Assessment Criteria for Particulate Matter</p> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Particulate Matter <10 µm (PM10)</td><td>24 hour</td><td>50 µg/m3</td></tr></table> <p>Table 7: Long-Term Impact Assessment Criteria for Deposited Dust</p> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Max increase in Deposited Dust Level</th><th>Max Total Deposited Dust Level</th></tr><tr><td>Deposited dust</td><td>Annual</td><td>2g/m2/mth</td><td>4g/m2/mth</td></tr></table> <p>Notes to Tables 5-7:</p> <p>a - Total impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to all other sources);</p> <p>b - Incremental impact (i.e. incremental increase in concentrations due to the project on its own);</p>	Pollutant	Averaging Period	Criterion	Total Suspended Particulates	Annual	90µg/m3	Particulate Matter <10 µm (PM10)	Annual	30 µg/m3	Pollutant	Averaging Period	Criterion	Particulate Matter <10 µm (PM10)	24 hour	50 µg/m3	Pollutant	Averaging Period	Max increase in Deposited Dust Level	Max Total Deposited Dust Level	Deposited dust	Annual	2g/m2/mth	4g/m2/mth	<ul style="list-style-type: none">Air Quality Management Plan, Section 8, Sep 2013Updated Air Quality Management Plan, December 2019	<p>The Air Quality Management Plan Section 8 presents potential dust sources and key control procedures and measures adopted for the management of particulate matter emissions generated by the project to ensure dust emissions from the Teralba Quarry activities do not exceed the criteria in Tables 5 to 7 at any residence on privately-owned land.</p> <p>The Air Quality Management Plan Section 9 describes the Air Quality Monitoring program to be conducted:</p> <ul style="list-style-type: none">Five (5) dust deposition gauges are located to the east of the Teralba Quarry and on the outskirts of Teralba:<ul style="list-style-type: none">Hillside Crescent (established June 2004)Myrtle Street (established June 2004)Rhondda Road (established June 2004)Rodgers Street (established April 2011)York Street (established 1 February 2019 to replace the location at Margaret Street after the landowner requested this gauge be removed).A High Volume Air Sampler (HVAS) with PM₁₀ was installed at Rodgers St, Teralba in July 2014.	Compliant
Pollutant	Averaging Period	Criterion																									
Total Suspended Particulates	Annual	90µg/m3																									
Particulate Matter <10 µm (PM10)	Annual	30 µg/m3																									
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Pollutant	Averaging Period	Max increase in Deposited Dust Level	Max Total Deposited Dust Level																								
Deposited dust	Annual	2g/m2/mth	4g/m2/mth																								
17. (Cont'd)	<p>c - Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.</p> <p>d - Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA.</p>		No exceedances of the 24 hour PM ₁₀ criteria occurred between January 2021 and December 2021.																								
Greenhouse Gas Emissions																											
18	The Proponent must implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.			Noted																							

Condition No.	Project Approval condition	Verification	Comments	Compliance
Operating Conditions				
19.	<p>The Proponent must:</p> <p>(a) implement best management practice to minimise the dust emissions of the project;</p> <p>(b) regularly assess air quality monitoring data and relocate, modify, and/or stop operations on site as may be required to ensure compliance with the relevant conditions of this approval,</p> <p>(c) minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see Note d to Tables 5-7 above);</p> <p>(d) minimise any visible off-site air pollution; and</p> <p>(e) minimise surface disturbance of the site and undertake progressive rehabilitation of the site; and</p> <p>(f) monitor and report on compliance with the relevant air quality conditions in this approval, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> • Air Quality Management Plan, Sep 2013 • Updated Air Quality Management Plan, Dec 2019 	<p>(a) the measures established over many years by Metromix are generally consistent with best management practices and have been adopted in the Air Quality Management Plan. These measures have been effective in controlling dust from the quarry activities. Some additional controls (not necessarily consistent with best management practice) have been effective in controlling dust emissions from the Quarry Site to acceptable levels.</p> <p>(b) If monitoring results approach the criteria identified in Project Approval Schedule 3 condition 17, the Quarry Manager or Quarry Supervisor will review:</p> <ol style="list-style-type: none"> i) the meteorological data for the corresponding period; ii) the locations and duration of activities on site during the corresponding period; and iii) data on activities at the nearby asphalt plant. <p>If Teralba Quarry is determined to be the source of the elevated dust levels, the Quarry Manager will initiate corrective and preventative actions. Metromix will report the event to the EPA in accordance with the Pollution Incident Response Management Plan as soon as practicable after the incident and a report submitted to the DPIE and EPA within 7 days of the exceedance in accordance with Project Approval Schedule 5 condition 7.</p> <p>(c) An automated meteorological station is installed on the Teralba Quarry site. The station retrieves data from the logger and transmits it directly to a computer at the quarry site office.</p> <p>(d) During periods of high wind speeds Teralba Quarry activities capable of generating dust are curtailed in the higher exposed areas. Water is applied to internal roads and blasts are not scheduled or initiated.</p> <p>(e) When areas within the Quarry Site are no longer required for operational purposes, they are rehabilitated in accordance with the Biodiversity and Rehabilitation Management Plan.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
Air Quality Management Plan				
20	<p>The Proponent must prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with Council, and submitted for approval to the Secretary within 4 months of the date of this approval;</p> <p>(b) describes the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> best management practice is employed; the air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events; and compliance with the relevant conditions of this approval; <p>(c) describes the proposed air quality management system; and</p> <p>(d) includes an air quality monitoring program that:</p> <ul style="list-style-type: none"> is capable of evaluating the performance of the project; includes a protocol for determining any exceedances of the relevant conditions of approval; adequately supports the air quality management system; and evaluates and reports on the adequacy of the air quality management system. <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> Letter from DP&I re Approval of Air Quality Management Plan, 10 Oct 2013 Updated Air Quality Management Plan (Dec, 2019) Letter from DPIE approving management plan dated 12 December 2019 	<p>The Air Quality Management Plan was prepared to satisfy this Project Approval condition and was approved by DP&I on 10 October 2013. It was updated and approved by DPIE in December 2019:</p> <p>(a) The Air Quality Management Plan was prepared in consultation with Lake Macquarie City Council and a draft copy of the Plan provided to Council for review and comment on 26 June 2013.</p> <p>Informal discussions were also held with the EPA, particularly with respect to the proposed air quality monitoring program and locations and type of air quality monitoring.</p> <p>(b) measures implemented are:</p> <ul style="list-style-type: none"> consistent with best management practices effective in controlling dust from the quarry activities; during periods of high wind speeds (typically from the western quadrant): Teralba Quarry activities capable of generating dust are curtailed in the higher exposed areas. monitoring results are assessed by the Quarry Manager or Quarry Supervisor for compliance with relevant conditions; <p>(c) the Air Quality Management Plan presents the air quality management system for the Teralba Quarry;</p> <p>(d) Sections 9, 10 and 11 address air quality monitoring and compliance</p>	Compliant
METEOROLOGICAL MONITORING				
21	<p>For the life of the project, the Proponent must ensure that there is a suitable meteorological station operating in the vicinity of the site that:</p> <ul style="list-style-type: none"> complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline; and is capable of continuous real-time measurement of temperature lapse rate, in accordance with the NSW Industrial Noise Policy, or as otherwise approved by EPA. 	<ul style="list-style-type: none"> Environment Protection Licence No. 536 Meteorological data 	<p>The Environment Protection Licence No. 0536 condition M5 describes the requirements for a meteorological station to be available on the Teralba Quarry site.</p> <p>A meteorological monitoring station is located in a satisfactory location on the Northern Extension Area and measures wind speed and direction, temperature, rainfall and relative humidity.</p> <p>The station results are relayed to the computer system in the Teralba Quarry office and are continuously available for on site management of activities.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
SOIL & WATER				
	<i>Note: The Proponent is required to obtain the necessary water licences for the project under the Water Act 1912 and/or the Water Management Act 2000</i>	<ul style="list-style-type: none"> WAL 40303 	Metromix holds Water Access Licence 40303 for 1407ML/year for water pumped from Dam A.	Compliant
Water Supply				
22	The Proponent must ensure it has sufficient water during all stages of the project, and if necessary, adjust the scale of quarrying operations on site to match its available supply.	<ul style="list-style-type: none"> Monitoring records 	Sufficient water supply for the Teralba Quarry activities is available from the Mine Adit of the historic underground coal workings.	Compliant
Surface Water Discharges				
23	The Proponent must ensure that all surface water discharges from the site comply with the discharge limits in any EPL which regulates water discharges from the site, or with Section 120 of the POEO Act.	<ul style="list-style-type: none"> Environment Protection Licence No. 536 Monitoring records 	The Environment Protection Licence No. 0536 Variation condition P1.2, identifies EPA approved water discharge points 4 and 5 to be monitored monthly and during discharge (when water is available) for pH, EC, and total suspended solids (TSS) respectively, points 6 and 7 monitored within 8 hours of commencement of discharge for pH, EC and TSS, and volume discharged from point 7.	Noted Compliant
On-Site Sewage Management				
24	The Proponent must manage on-site sewage to the satisfaction of Council and the EPA.		Onsite sewage is treated in an onsite sewerage / wastewater treatment plant that has no discharge to the environment.	Compliant
Storage of Chemicals & Petroleum Products				
25	The Proponent must ensure that all chemicals and/or petroleum products on site are held in appropriately bunded areas with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund, and in accordance with Australian Standard AS1940-2004 -The Storage and Handling of Flammable and Combustible Liquids. The flooring and bund(s) must be designed in accordance with: <ul style="list-style-type: none"> the requirements of relevant Australian Standards; and DECC's Storing and Handling Liquids: Environmental Protection – Participants Manual. 		Petroleum products on site (diesel and oils) are held in appropriately bunded areas with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund (in accordance with AS1940-2004 and the DECC <i>Storing and Handling Liquids: Environmental Protection Manual</i>). Waste oil is placed in the bunded shipping container and the waste oil collected for recycling by Trans-Pacific.	Compliant
Water Management Plan				
26	The Proponent must prepare and implement a Water Management Plan for the project to the satisfaction of the Secretary. This plan must be prepared in consultation with Council and NOW by suitably qualified and experienced person/s whose appointment has been approved by the Secretary, and be submitted to the Secretary for approval within 6 months of the date of this approval and prior to any extraction activities within the Northern Extension area. In addition to the standard requirements for management plans (see condition 3 of Schedule 5), this plan must include:	<ul style="list-style-type: none"> Water Management Plan, 2020 	The Water Management Plan was prepared in consultation with the Lake Macquarie City Council , DPI – Water. The most recent version of the WMP was approved in December 2020.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
26. (Cont'd)	(a) Site Water Balance that: <ul style="list-style-type: none"> includes details of: <ul style="list-style-type: none"> sources and security of water supply, including contingency planning; water use on site; water management on site; reporting procedures, including comparisons of the site water balance each calendar year; and describes the measures that would be implemented to minimise clean water use on site; 	<ul style="list-style-type: none"> Water Management Plan, Oct 2020 Specialist Consultant Studies Compendium for the Teralba Quarry Extensions EA, Jun 2012 Part 3 –Surface Water Assessment –BMT-WBM Pty Ltd (2011) WAL 40303 	(a) The site water balance was prepared as part of the Environmental Assessment for the project: <ul style="list-style-type: none"> Water Management Plan Section 7.3.1 addresses Water Supply - potable water is sourced directly from the local water mains. Non-potable water is extracted under WAL 40303 from the Mine Audit Dam A; Flow monitoring (from the installed water flow meters) and water quality data collected is reported as part of the EPL Annual Return and Annual Review under the Project Approval; Water is recirculated throughout the operation of the processing plant, with waste water or slurry pumped to the silt cells for settlement. 	Compliant
	(b) Surface Water Management Plan, that includes: <ul style="list-style-type: none"> detailed baseline data on surface water flows and quality in the watercourses that could be affected by the project; a detailed description of the surface water management system on site, including the: <ul style="list-style-type: none"> clean water diversion systems; erosion and sediment controls; and o water storages; design objectives and performance criteria for proposed: <ul style="list-style-type: none"> erosion and sediment control structures; water storages; and control of water pollution from rehabilitated areas of the site; performance criteria, including trigger levels for investigating any potentially adverse impacts, for surface water quality of local watercourses and Lake Macquarie; a program to monitor: <ul style="list-style-type: none"> the effectiveness of the water management system; surface water flows and quality in local watercourses and Lake Macquarie; and ecosystem health of local watercourses and Lake Macquarie; a plan to respond to any exceedances of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the project; and a detailed review the dirty water management system to: <ul style="list-style-type: none"> determine whether the capacity, integrity, retention time and management of the system are sufficient to ensure that water discharged from the site meets the performance criteria and propose any upgrades necessary to meet these criteria; assess appropriate options to improve storage and retention times in accordance with The Blue Book - Managing Urban Stormwater (MUS): Soils and Construction (Landcom); and 	<ul style="list-style-type: none"> Water Management Plan, Oct 2020 	(a) A Surface Water Management Plan has been prepared as part of the Water Management Plan Section 7: <ul style="list-style-type: none"> Section 7.1.5 addresses Existing Surface Water Quality Section 7.3 addresses Site Water Management and Section 8 addresses clean water diversion and erosion and sediment controls Section 8 addresses design objectives and performance criteria for site water management; Section 9.2 addresses performance criteria, including trigger levels performance criteria, including trigger levels; Section 9.3 addresses monitoring locations and frequency; Section 11 outlines corrective and preventative actions to respond to any exceedances of the performance criteria; Section 8 provides a review of the dirty water management system and outlines options to improve storage and retention times in accordance with The Blue Book During the reporting period no exceedances of the criteria nominated in the WMP were recorded.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
26 (Cont'd)	<p>(c) Groundwater Management Plan, that includes:</p> <ul style="list-style-type: none"> detailed baseline data on groundwater yield and quality in the area, that could be affected by the project; groundwater assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts; a program to monitor: <ul style="list-style-type: none"> surface water inflows into the groundwater system beneath the site; the impacts of the project on: <ul style="list-style-type: none"> the local coal seam aquifer; any groundwater bores on privately-owned land that could be affected by the project; and groundwater dependent ecosystems; and seepage/leachate from water storages or backfilled voids (including historical coal workings) on site; and a plan to respond to any exceedances of the groundwater assessment criteria; <p><i>Note: The Secretary may require the Proponent to implement upgrades and other changes identified under paragraph (b), in accordance with condition 4 of Schedule 2.</i></p> <p>The Proponent must implement the plan as approved by the Secretary.</p>	Water Management Plan (2020), Section 7.5	<p>(c) A Groundwater Management Plan has been incorporated in the Water Management Plan Section 7.2:</p> <ul style="list-style-type: none"> Sections 7.2.1 to 7.2.3 outline baseline groundwater yield and quality in the area of the Teralba Quarry; Section 9.4 and 9.5 outlines the monitoring program for surface water inflows, local seam aquifers, groundwater bores and groundwater dependent ecosystems; Section 11 outlines corrective and preventative actions to respond to any exceedances of the groundwater assessment criteria; 	Compliant
VISUAL				
Protection of Ridgelines				
27	The Proponent must ensure that any clearing of visually prominent ridgeline vegetation is done in a progressive manner, so as to provide for a maximum of 6 months of future quarrying operations.	View of Quarry from Speers Point (Plate 10)	The Teralba Quarry plan for the clearance of ridgeline vegetation is cognisant of the visual impact associated with the ridgelines and progressive minimal clearing is being practised in relation to the extension works to reduce potential impact.	Compliant Ongoing
28	The Proponent must ensure that the: <p>(a) eastern facing quarry benches of the Southern Extension are vegetated with native endemic understory species and trees as soon as practicable following the completion of extraction of those benches; and</p> <p>(b) revegetation of the quarry benches is managed to ensure that a tree canopy is regenerated, as soon as practicable, to be consistent with and visually integrated into the surrounding tree canopy, to the satisfaction of the Secretary.</p>		<p>(a) Works on the eastern faces of the Southern Extension Area (Stage 1A) commenced in December 2013.</p> <p>(b) Regeneration of native endemic understorey and tree canopy will commence on the western benches in Stage 1B (North) of the Southern Extension when the recovery of resource is complete from the upper face areas.</p>	In Progress
Operating Conditions				
29	The Proponent must <p>(a) implement all reasonable and feasible measures to minimise the visual impacts and any offsite lighting impacts of the project; and</p> <p>(b) maintain and improve the effectiveness of the vegetated plantings on the quarry benches, over the life of the project.</p>		<p>(a) Visual impacts of the quarry operations have been minimised for the Southern Extension Area quarry works and there are no offsite lighting impacts from the current works;</p> <p>(b) Revegetation of the completed areas of the Teralba Quarry is continuing.</p>	Compliant Ongoing

Condition No.	Project Approval condition	Verification	Comments	Compliance
Advertising Signage				
30	The Proponent must not erect or display any advertising structure(s) or signs on the site without the written approval of the Secretary. <i>Note: This condition does not require approval for any business identification, traffic management, and/or safety or environmental signs.</i>		Signs erected at the entrance to the Teralba Quarry site are only related to the company identification, safety and environment, and traffic signs.	Compliant
TRANSPORT				
Intersection Investigation and Wheel Wash				
31	Within 6 months of the date of this approval the Proponent must: (a) commission a suitably qualified and experienced person endorsed by the Secretary to undertake a road safety audit report of the intersection of York Street and Anzac Parade in consultation with Council; (b) submit the report and any recommendations to the Secretary for approval; and (c) implement any recommendations of the road safety audit to upgrade the intersection of York Street and Anzac Parade to the satisfaction of Council.	<ul style="list-style-type: none"> Project Approval 10_0183, granted 22 Feb 2013 Guide to Road Safety Part 6: Road Safety Audit, Austroads, 2009 Guidelines for Road Safety Audit Practices, RMS, 2011 Letter to DP&I re Road Safety Audit Report, 14 Aug 2013 	(a) GTA Consultants undertook a road safety audit for the intersection of York Street and Anzac Parade Teralba in consultation with Lake Macquarie City Council; (b) The Road Safety Audit Report and consequent letters were submitted to the Director-General; (c) The road safety audit identified primary issues that would be addressed by Council as part of their ongoing maintenance and cannot be reasonably related to the operations at Metromix.	Compliant
32	The Proponent must install truck wheel wash facilities within 6 months of the date of this approval at all quarry exits and following such installation, must ensure that all trucks have their tyres and vehicles cleaned of mud, dirt and dust prior to exiting the site, so as to avoid tracking dirt onto public roads, to the satisfaction of the Secretary.		Wheel wash facilities are installed at the quarry exits (bottom/top wheel washes) to ensure truck tyres are cleaned of mud, dirt and dust prior to exiting the site, to avoid tracking dirt onto public roads. Additional sprays were install on the Top Exit Truck Wheelwash during the second half of 2016 and additional hard pavements were also completed in the second half of 2016 prior to the Top Gate Wheel Washes.	Compliant
Operating Conditions				
33	The Proponent must construct the tunnel and conveyor under Rhondda Road to the satisfaction of Council.		The commencement of quarrying of the Northern Extension, that will require the construction of a tunnel and conveyor under Rhondda Road, did not occur during the reporting period.	Not Yet Applicable
34	Within 6 months of the date of this approval, the Proponent must cease transporting quarry material by truck between the quarry pits.		Transport of quarry materials between the Northern and Southern Extension pits ceased on 22 August 2013.	Compliant
35	The Proponent may only transport quarry products from the site on the designated Haulage Routes (see Appendix 4), except in circumstances where the final destination of the quarry products can only be accessed by other roads.		Transport of products from the Teralba Quarry site only occurs on the designated Haulage Routes identified in the Project Approval in Appendix 4 and the Traffic Management Plan.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
36	The Proponent must ensure that all heavy vehicles: (a) do not exceed an on-site speed limit of 30 km per hour; (b) exiting the site to the east via the bottom gate (i.e. to Railway Street) during the Day Shoulder period do not exceed the on-site speed limit and minimise noise as far as reasonable between Railway Street and the end of the existing engineering works; and (c) entering or leaving the site have their loads covered.		(a) On-site is limited to 30kph as noted by signage; (b) Exit speed to Railway Street is limited to 30kph; (c) All trucks must cover their loads or drivers face disciplinary action in accordance with the Drivers Code of Conduct.	Compliant
37	During the AM peak period and PM peak period, the Proponent must implement all reasonable and feasible measures to minimise project-related traffic delays and congestion at the intersection of Toronto and Five Islands Roads and along York Street, to the satisfaction of the Secretary.	<ul style="list-style-type: none"> Traffic Management Plan, Dec 2019 Teralba Quarry Truck Movements 	Hourly truck rates are managed to minimise project-related traffic delays and congestion at the intersection of Toronto and Five Islands Roads and along York Street.	Compliant
38	Only trucks owned by the Proponent, its shareholders or approved contractors and fitted with airbag suspension may transport quarry products from the site between 6 pm and 6 am.		All trucks owned by Metromix and its approved contractors are fitted with airbag suspension.	Compliant
Maintenance				
39	The Proponent must regularly maintain the pavement of the on-site road that connects to Railway Street to minimise dust generation and potholes, to the satisfaction of the Secretary.		The pavement of the on-site road (after the wheel wash) that connects to Railway Street is well maintained.	Compliant Ongoing
Monitoring of Product Transport				
40	The Proponent must: (a) keep accurate records of: <ul style="list-style-type: none"> the amount of quarry products transported from the site (monthly and annually); and all laden truck movements from the site (hourly, daily, weekly, monthly and annually); and (b) publish these records on its website on a quarterly basis.	<ul style="list-style-type: none"> Traffic Management Plan, Dec 2019 Teralba Quarry Truck Movements www.metromix.com.au 	(a) Quarry product records are maintained on Monthly Transport Tonnages for Council charges (tonnage is not reported on the website as it is considered confidential information) but is available to the CCC and in the Annual Review; (b) All laden truck movements from the site are recorded in accordance with this condition; (c) Truck movements recorded are placed on the Metromix website typically on a monthly basis.	Compliant
Road Signage				
41	Deleted.			
42	Prior to carrying out quarrying operations under this approval, the Proponent must install "Trucks entering" warning signs 200 metres either side of the quarry entrances on public roads.		"Trucks entering" warning signs have been erected 200 metres either side of the quarry entrances on public roads.	Compliant
Parking				
43	The Proponent must provide sufficient parking on-site for all project-related traffic in accordance with Council's parking codes and in consultation with Council.		No Council Parking Code was available for the Teralba Quarry site. Metromix has adequate parking on site for all project-related traffic.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
Transport Management Plan				
44	<p>The Proponent must prepare and implement a Transport Management Plan for the project to the Secretary. This plan must:</p> <p>(a) be prepared by a suitably qualified traffic consultant in consultation with the RMS and Council, and submitted to the Secretary for approval within 4 months of the date of this approval;</p> <p>(b) include a drivers' code of conduct for the project;</p> <p>(c) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> – drivers are aware of potential safety issues along the haulage routes in particular near schools; – drivers of project-related vehicles comply with the drivers' code of conduct; – compliance with the relevant conditions of this approval; and <p>(d) include a program to monitor the effectiveness of the implementation of these measures.</p> <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> • Transport Management Plan, Oct 2013 • Updated Transport Management Plan, Dec 2019. 	<p>A Traffic Management Plan was prepared in June 2013 to satisfy this condition and was approved by DP&I on 10 October 2013. An updated version was approved by DPIE in December 2019:</p> <p>(a) The Traffic Management Plan was prepared by GTA Consultants in conjunction with R W Corkery & Co, in consultation with the RMS and Lake Macquarie City Council;</p> <p>(b) Traffic Management Plan Appendix 1 provides the Drivers Code of Conduct;</p> <p>(c) Traffic Management Plan Section 6.2 describes Competence Training and Awareness that includes site traffic rules, safe site delivery, Drivers Code of Conduct, maximum hourly despatch rates and operation and maintenance of wheel washes.</p> <p>(d) Traffic Management Plan Section 8 describes Performance and Monitoring of the truck and transport management plan requirements.</p> <p>There were no identified departures from the Teralba Quarry Driver's Code of Conduct during the period from January 2021 to December 2021.</p>	Compliant
BUSHFIRE MANAGEMENT				
45	<p>The Proponent must:</p> <p>a) ensure that the project is suitably equipped to respond to any fires on site; and</p> <p>b) assist the Rural Fire Service, emergency services and National Parks and Wildlife Service as much as possible if there is a fire in the surrounding area.</p>	<ul style="list-style-type: none"> • Bushfire Management Plan, Feb 2014 	<p>A Bushfire Management Plan for the Teralba Quarry was approved in 2014 by the Department of Planning.</p> <p>In 2018, the Bush Fire Management Plan was discussed with and reviewed by the Deputy Captain of the local Teralba Fire Service and a 20m Asset Protection Zone (APZ) was established around the fuel and oil storage areas.</p> <p>From January 2021 to December 2021 there was no change to the Bushfire Management Plan.</p>	Compliant
WASTE				
46	<p>Prior to importing any Virgin Excavated Natural Material or excavated natural material to the site, the Proponent must obtain a 'resource recovery exemption' under the POEO Act and provide evidence of this approval to the Department.</p>	<ul style="list-style-type: none"> • Waste Management Plan, Dec 2019 	<p>A 'Resource recovery exemption' under the <i>Protection of the Environment Operations Act 1997</i> will be obtained when VENM/ ENM is required for the site.</p> <p>No VENM/ENM was imported to the Quarry Site for fill purposes from January 2021 to December 2021.</p>	Not Activated
47	<p>The Proponent must:</p> <p>(a) minimise the waste generated by the project; and</p> <p>(b) ensure that the waste generated by the project is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> • Waste Management Plan, Dec 2019 	<p>The waste generated by the project is appropriately stored and handled on site. All waste is segregated into separate bins, containers or tanks and the wastes are collected for recycling/disposal by Trans- Pacific Waste contractors, and One Steel Metal Recycling Services.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
48	<p>The Proponent must prepare and implement a Waste Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared in consultation with DRG and Council, and submitted to the Secretary for approval prior within 4 months of the date of this approval; (b) identify the various waste streams of the project; (c) estimate the volumes of waste material that would be generated by the project, including recycled concrete brought on-site; (d) describe and justify the proposed strategy for disposing of this waste material, including recycled concrete brought on-site; (e) include a program to monitor the effectiveness of these measures. <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> • Waste Management Plan, Dec 2019 	<p>The Waste Management Plan was approved by DP&I on 10 Oct 2013 (an updated plan was submitted to and by DPIE in December 2019):</p> <ul style="list-style-type: none"> (a) DRE and Council were consulted during preparation of the Waste Management Plan; (b) Waste streams from the Teralba Quarry are identified in Table 7.1 of the Waste Management Plan; (c) Section 8 of the Waste Management Plan discusses estimated waste volumes that would be generated by the project; (d) Section 9 of the Waste Management Plan describes the waste control measures and management strategies; (e) Section 10 describes monitoring and evaluation of compliance. 	Compliant
ABORIGINAL HERITAGE				
Heritage Management Plan				
49	<p>The Proponent must prepare and implement a Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared in consultation with Aboriginal stakeholders; (b) be submitted to the Director-General for approval prior to carrying out any development within the Northern Extension area or within 6 months of the date of this approval; (c) describe the measures that would be implemented for: <ul style="list-style-type: none"> – monitoring all new surface disturbance on site for unidentified Aboriginal objects; – managing the discovery of any human remains or previously unidentified Aboriginal objects on site; and – ensuring ongoing consultation with Aboriginal stakeholders in the conservation and management of any Aboriginal cultural heritage values on site. <p>The Proponent must implement the plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> • Heritage Management Plan, Aug 2013 • Letter from DP&I re Comments on the Aboriginal Heritage Management Plan, 16 January 2014 • Updated Heritage Management Plan 2019 	<p>Heritage Management Plan was prepared in June 2013 to satisfy the requirements of this condition. The plan was submitted to DP&I in August 2013.</p> <ul style="list-style-type: none"> (a) Letters were sent by registered mail to Aboriginal stakeholders on 15 May 2013 requesting review of the Plan. No responses were received; (b) The draft Aboriginal Heritage Management Plan was prepared and submitted to DP&I within 6 months of the date of this approval. (It is noted that no development of the Northern Extension had occurred at the date of this review). (c) Comments on the Aboriginal Heritage Management Plan were received from DP&I on 16 January 2014. Updated and approved by DPE on 19 September 2014. 	Compliant
49A.	<p>If any suspected Aboriginal object or place is identified on site, the Proponent must ensure that:</p> <ul style="list-style-type: none"> (a) all work in the immediate vicinity of the suspected Aboriginal object or place ceases immediately; (b) a 10m buffer area around the suspected Aboriginal object or place is cordoned off; and (c) OEH is contacted immediately. <p>Work in the immediate vicinity of the Aboriginal object or place may only recommence in accordance with the provisions of Part 6 of the <i>National Parks and Wildlife Act 1974</i>.</p>	<ul style="list-style-type: none"> • Heritage Management Plan 2013 	<p>Section 11 of the Heritage Management Plan the unexpected finds protocol.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
BIODIVERSITY AND REHABILITATION				
Fauna Habitat				
50	The Proponent must install 20 nest boxes for microbats, 20 nest boxes for Little Lorikeets and 30 nest boxes for Sugar Gliders. These boxes must be monitored and maintained regularly over the life of the project, and re-located or replaced if not used by targeted fauna for a period of 12 months.	<ul style="list-style-type: none"> Environmental Assessment Specialist Consultant Studies Compendium Volume 1 Part 5 	Nesting boxes were installed in late 2014 for three fauna species potentially displaced following clearing activities (namely 20 boxes for microbats, 20 boxes for Little Lorikeets and 30 boxes for Sugar Gliders). Metromix has commissioned a qualified ecologist to undertake an inspection and report upon the use of the boxes since 2014 (see Appendix 6). An additional 11 nesting boxes were installed during 2020 as required by the consent conditions of the powerline relocation. These boxes have been included as part of the annual nesting box monitoring program.	Compliant
51	The Proponent must, wherever practicable, avoid clearing hollow-bearing trees. If clearing a hollow bearing tree cannot be avoided, then its removal must be offset with an additional and comparable habitat structure within the site.	<ul style="list-style-type: none"> Biodiversity and Rehabilitation Management Plan, 2019 	Metromix installed an additional 11 nestboxes during 2020 to replace hollow-bearing trees moved for construction of an easement for the relocated powerline.	Compliant Ongoing
Biodiversity Offset Strategy				
52	The Proponent must retire biodiversity credits specified in conditions 54 to 56 of this schedule in accordance with the Biodiversity Offset Scheme of the Biodiversity Conservation Act 2016, to the satisfaction of the Secretary and OEH.	<ul style="list-style-type: none"> Correspondence with OEH dated 21 December 2018. 	A modification to PA 10_0183 was approved on 16 April 2018 that removed the approved biodiversity offset area from the consent and replaced this with biodiversity credits. A revised biodiversity offset strategy was subsequently approved in July 2018 that describes Metromix's intention to retire credits following purchase on the open market. The staged biodiversity offsetting obligations are described in Conditions 3(54) to 3(56) of PA 10_0183. The staged obligations are aligned with the staged development of the Quarry such that Metromix cannot proceed to the next stage of development of the Quarry until the biodiversity offset obligations for that stage have been satisfied. Table 19 of Annual Review 2021 summarises the biodiversity offset strategy for the Quarry. The biodiversity credits for Stage 1 and Stage 2 in the Southern Extension were retired on 21 December 2018.	Not Yet Activated
53	The Proponent must prepare and submit a Biodiversity Offset Strategy to the satisfaction of the Secretary. This strategy must: (a) be submitted for approval by the Secretary prior to 30 June 2018, or as otherwise agreed by the Secretary; and (b) be prepared in accordance with the Biodiversity Conservation Act 2016; and (c) provide for the retirement of biodiversity credits as specified in conditions 54 to 56 of this schedule. The Proponent must implement the Biodiversity Offset Strategy to the satisfaction of the Secretary and OEH.	<ul style="list-style-type: none"> Biodiversity Offset Strategy within the Biodiversity and Rehabilitation Management Plan, 2019 	The Biodiversity Offset Strategy was approved by DPE in July 2018.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance									
54	<p>By 31 December 2018, unless otherwise approved by the Secretary, the Proponent must retire all biodiversity credits listed in Table 8 to the satisfaction of the Secretary and OEH.</p> <p><i>Table 8: Biodiversity Credits to be retired by 31 December 2018</i></p> <table><tr><th>Credit Type</th><th>Offset Type</th><th>Number of Credits</th></tr><tr><td>Ecosystem Credits</td><td>PCT1589 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'</td><td>670</td></tr><tr><td>Species Credits</td><td>Black-eyed Susan (Tetralochea juncea)</td><td>1103</td></tr></table>	Credit Type	Offset Type	Number of Credits	Ecosystem Credits	PCT1589 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	670	Species Credits	Black-eyed Susan (Tetralochea juncea)	1103			Compliant
Credit Type	Offset Type	Number of Credits											
Ecosystem Credits	PCT1589 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	670											
Species Credits	Black-eyed Susan (Tetralochea juncea)	1103											
55	<p>Prior to any vegetation clearing in Southern Extension Stage 3 (see Figure 7 of Appendix 5) the Proponent must retire all biodiversity credits listed in Table 8a to the satisfaction of the Secretary and OEH.</p> <p><i>Table 8a: Biodiversity credits to be retired prior to vegetation clearing in Southern Extension Stage 3.</i></p> <table><tr><th>Credit Type</th><th>Offset Type</th><th>Number of Credits</th></tr><tr><td>Ecosystem Credits</td><td>PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'</td><td>171</td></tr></table>	Credit Type	Offset Type	Number of Credits	Ecosystem Credits	PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	171		No vegetation clearing has commenced in Southern Extension Stage 3.	Not Activated			
Credit Type	Offset Type	Number of Credits											
Ecosystem Credits	PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	171											
56	<p>Prior to any vegetation clearing in Northern Extension Stages 1, 2 or 3 (see Figure 7 of Appendix 5) the Proponent must retire all biodiversity credits listed in Table 8b to the satisfaction of the Secretary and OEH.</p> <p><i>Table 8b: Biodiversity credits to be retired prior to vegetation clearing in Northern Extension Stages 1, 2 or 3</i></p> <table><tr><th>Credit Type</th><th>Offset Type</th><th>Number of Credits</th></tr><tr><td>Ecosystem Credits</td><td>PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'</td><td>502</td></tr></table>	Credit Type	Offset Type	Number of Credits	Ecosystem Credits	PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	502		No vegetation clearing has commenced in Northern Extension Stages 1, 2 or 3.	Not Activated			
Credit Type	Offset Type	Number of Credits											
Ecosystem Credits	PCT1589 - 'Spotted Gum – Broad-leaved Mahogany – Grey Gum grass – shrub open forest on Coastal Lowlands of the Central Coast'	502											
Long Term Security Offsets													
57	<p>Within 6 months of the approval of the Biodiversity Offset Strategy, or as otherwise agreed by the Secretary, the Proponent must make suitable arrangements for the long-term protection of any land identified in the Strategy, to the satisfaction of the Secretary</p>	<ul style="list-style-type: none">Biodiversity Offset Strategy 2018	<p>The approved Biodiversity Offset Strategy describes Metromix's intention to purchase and retire biodiversity credits in order to satisfy Conditions 54, 55 and 56.</p>	Noted									

Condition No.	Project Approval condition	Verification	Comments	Compliance												
Rehabilitation Objectives																
58	The Proponent must rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the proposed rehabilitation strategy in the EA and Appendix 6, and comply with the objectives in Table 9.		These objectives are addressed for progressive rehabilitation in Section 8.3 of the Annual Review 2018	Noted												
	Table 9: Rehabilitation Objectives															
	<table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Site (as a whole)</td><td><ul style="list-style-type: none">• Safe• Hydraulically and geotechnically stable• Non-polluting• Fit for the intended post-mining land use(s)• Final landform integrated with surrounding natural landforms as far as is reasonable and feasible• Minimising visual impacts when viewed from surrounding land</td></tr><tr><td>Surface infrastructure</td><td><ul style="list-style-type: none">• Decommissioned and removed, unless otherwise agreed by the Secretary</td></tr><tr><td>Benched quarry walls</td><td><ul style="list-style-type: none">• Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts</td></tr><tr><td>Quarry pit floors and silt ponds</td><td><ul style="list-style-type: none">• Landscaped and revegetated utilising native flora species and felled trees from clearing.• Revegetation not required for existing and proposed industrial areas</td></tr><tr><td>Other land affected by the project</td><td><ul style="list-style-type: none">• Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of:<ul style="list-style-type: none">– native endemic species– a landform consistent with Figure 8 (Appendix 6) and the surrounding environment</td></tr></table>				Feature	Objective	Site (as a whole)	<ul style="list-style-type: none">• Safe• Hydraulically and geotechnically stable• Non-polluting• Fit for the intended post-mining land use(s)• Final landform integrated with surrounding natural landforms as far as is reasonable and feasible• Minimising visual impacts when viewed from surrounding land	Surface infrastructure	<ul style="list-style-type: none">• Decommissioned and removed, unless otherwise agreed by the Secretary	Benched quarry walls	<ul style="list-style-type: none">• Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts	Quarry pit floors and silt ponds	<ul style="list-style-type: none">• Landscaped and revegetated utilising native flora species and felled trees from clearing.• Revegetation not required for existing and proposed industrial areas	Other land affected by the project	<ul style="list-style-type: none">• Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of:<ul style="list-style-type: none">– native endemic species– a landform consistent with Figure 8 (Appendix 6) and the surrounding environment
	Feature				Objective											
	Site (as a whole)				<ul style="list-style-type: none">• Safe• Hydraulically and geotechnically stable• Non-polluting• Fit for the intended post-mining land use(s)• Final landform integrated with surrounding natural landforms as far as is reasonable and feasible• Minimising visual impacts when viewed from surrounding land											
	Surface infrastructure				<ul style="list-style-type: none">• Decommissioned and removed, unless otherwise agreed by the Secretary											
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Other land affected by the project	<ul style="list-style-type: none">• Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of:<ul style="list-style-type: none">– native endemic species– a landform consistent with Figure 8 (Appendix 6) and the surrounding environment															
Progressive Rehabilitation																
59	The Proponent must rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation. Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to future re-disturbance.	Observation	Progressive rehabilitation is occurring at the Quarry (see Section 8 of the Annual Review).	Noted												

Condition No.	Project Approval condition	Verification	Comments	Compliance
Biodiversity and Rehabilitation Management Plan				
60	<p>The Proponent must prepare a Biodiversity and Rehabilitation Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified expert and in consultation with DRG, DPI and Council; (b) be submitted to the Secretary for approval within 12 months of the date of approval of Modification 1; (c) provide details of the conceptual final landform and associated land uses for the site; (d) describe how the implementation of the Biodiversity Offset Strategy would be integrated with the overall rehabilitation of the site; (e) describe the short, medium and long-term measures that would be implemented to: <ul style="list-style-type: none"> • manage remnant vegetation and habitat on site; • implement the Biodiversity Offset Strategy; and • ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval; (f) include detailed performance and completion criteria for evaluating the performance of the Biodiversity Offset Strategy and the rehabilitation of the site (including progressive rehabilitation), including triggering remedial action (if necessary); (g) include a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for: <ul style="list-style-type: none"> • ensuring compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval; • enhancing the quality of remnant vegetation and fauna habitat; • protecting and restoring native endemic vegetation and fauna habitat within any offset areas and rehabilitation areas; 	<ul style="list-style-type: none"> • Biodiversity and Rehabilitation Management Plan, June 2019 	<p>A Landscape Management Plan was submitted to the DP&I by 22 February 2014 and approved on 19 September 2014. A Biodiversity and Rehabilitation Management Plan was approved by the DPIE on 18 June 2019.</p>	Compliant
	<ul style="list-style-type: none"> • maximising the salvage of environmental resources within the approved disturbance area – including tree hollows, vegetative and soil resources – for beneficial reuse in the enhancement of the biodiversity areas or rehabilitation area; • collecting and propagating seed; • ensuring minimal environmental consequences for the local <i>Tetratheca juncea</i> population; • protecting vegetation and fauna habitat outside the approved disturbance area on-site; 			

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> minimising the impacts on native fauna on site, including undertaking appropriate pre-clearance surveys; controlling weeds and feral pests; controlling erosion; controlling access; and bushfire management; <p>(h) include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;</p> <p>(i) identify the potential risks to successful implementation of the Biodiversity Offset Strategy and rehabilitation of the site, and include a description of the contingency measures that would be implemented to mitigate against these risks; and</p> <p>(j) include details of who would be responsible for monitoring, reviewing, and implementing the plan.</p> <p>The Proponent must implement the plan as approved by the Secretary.</p>			
Rehabilitation Bond				
61	<p>Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the Proponent must lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the Biodiversity and Rehabilitation Management Plan and the relevant conditions of approval. The sum of the bond must be determined by:</p> <p>(a) calculating the cost of rehabilitating all disturbed areas of the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and</p> <p>(b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs to the satisfaction of the Secretary.</p> <p>The calculation of the Rehabilitation Bond must be submitted to the Department for approval at least 2 months prior to the lodgement of the bond.</p>		The Rehabilitation Bond was lodged in October 2016. Metromix lodged an updated Rehabilitation Bond on 17 February 2020.	Compliant
62	<p>The Rehabilitation Bond must be reviewed and, if required, an updated bond must be lodged with the Department within 3 months following:</p> <p>(a) an update or revision to the Biodiversity and Rehabilitation Management Plan;</p> <p>(b) the completion of an Independent Environmental Audit in which recommendations relating to the rehabilitation of the site have been made; or</p> <p>(c) in response to a request by the Secretary.</p> <p>Notes:</p> <ul style="list-style-type: none"> If capital and other expenditure required by the Biodiversity and Rehabilitation Management Plan is largely complete, the Secretary may waive the requirement for lodgement of a bond in respect of the remaining expenditure. 		The Rehabilitation Bond was lodged in October 2016. An update to the rehabilitation bond was approved on 2 April 2020. No further review of this bond has been required.	Noted

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> If the rehabilitation of the site area is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works. 			
Relocated Powerlines				
63	The Proponent must ensure that any relocation of existing powerlines on-site does not cause greater than minor environmental consequences.		Relocation of power lines to the Private Coal Haul Road occurred in 2020. Relocation did not cause greater than minor environmental consequences.	Noted
SCHEDULE 4 ADDITIONAL PROCEDURES				
NOTIFICATION OF LANDOWNERS				
1.	<p>As soon as practicable and no longer than 7 days after obtaining monitoring results showing an:</p> <p>(a) exceedance of any relevant criteria in Schedule 3, the Proponent must notify affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the project is again complying with the relevant criteria; and</p> <p>(b) an exceedance of the relevant air quality criteria in Schedule 3, the proponent must send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected landowners and/or existing tenants of the land.</p>			Not Activated
INDEPENDENT REVIEW				
2	<p>If an owner of privately-owned land considers the project to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the project on his/her land. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision the Proponent must:</p> <p>(a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Secretary, to:</p> <ul style="list-style-type: none"> consult with the landowner to determine his/her concerns; conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and if the project is not complying with these criteria, then identify the measures that could be implemented to ensure compliance with the relevant criteria; and <p>(b) give the Secretary and landowner a copy of the independent review and;</p> <p>(c) comply with any written requests made by the Secretary to implement any findings of the review.</p>			Not Activated
3	<p>If the independent review determines that the project is complying with the relevant criteria in Schedule 3, then the Proponent may discontinue the independent review with the approval of the Secretary.</p> <p>If the independent review determines that the project is not complying with the relevant criteria in Schedule 3, then the Proponent must:</p>			Noted

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<p>(a) implement all reasonable and feasible mitigation measures, in consultation with the landowner and appointed independent expert, and conduct further monitoring until the project complies with the relevant criteria; or</p> <p>(b) secure a written agreement with the landowner to allow exceedances of the relevant criteria, to the satisfaction of the Secretary.</p>			
SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING				
ENVIRONMENTAL MANAGEMENT				
Environmental Management Strategy				
1	<p>The Proponent must prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must:</p> <p>(a) be submitted to the Secretary for approval with 6 months of the date of this approval;</p> <p>(b) provide the strategic framework for environmental management of the project;</p> <p>(c) identify the statutory approvals that apply to the project;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"> keep the local community and relevant agencies informed about the operation and environmental performance of the project; receive, handle, respond to, and record complaints; resolve any disputes that may arise during the course of the project; respond to any non-compliance; and respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none"> references to any strategies, plans and programs approved under the conditions of this approval; and a clear plan depicting all the monitoring required to be carried out under the conditions of this approval. <p>The Proponent must implement the strategy as approved by the Secretary.</p>	<ul style="list-style-type: none"> Approved Environmental Management Strategy, 2019 	<p>An Environmental Management Strategy was prepared to satisfy Project Approval Schedule 5 condition 1 and submitted to DP&I on 22 August 2013. DP&I approved the original Environmental Management Strategy on 16 January 2014. An updated Environmental Management Strategy was approved by DPIE on 25 January 2019:</p> <p>(a) the Environmental Management Strategy was submitted to DP&I on 22 August 2013;</p> <p>(b) EMS Section 2 addresses the Strategic Framework for environmental management;</p> <p>(c) EMS Section 3 identifies Legal and Other Requirements for the Teralba Quarry;</p> <p>(d) EMS Section 4 addresses Roles and Responsibilities of all key personnel involved in the environmental management of the Teralba Quarry;</p> <p>(e) the EMS describes procedures for:</p> <ul style="list-style-type: none"> Section 11 Stakeholder and Community Consultation and Section 13 Publication of Information; Section 9 Complaints Handling and Dispute Resolution; Section 7 Corrective and Preventative Actions; Section 10 Emergency Response and ; <p>(f) Section 3.3 Environmental Management Plans, and Section 5 Monitoring.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
Adaptive Management				
2	<p>The Proponent must assess and manage project-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this approval and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation. Where any exceedance of these criteria and/or performance measures has occurred, the Proponent must as soon as becoming aware of any exceedance:</p> <ul style="list-style-type: none"> (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur; (b) consider all reasonable and feasible options for remediation (where relevant); (c) within 14 days of the exceedance occurring, submit a report to the Secretary describing these remediation options and any preferred remediation measures or other course of action; and (d) implement remediation measures as directed by the Secretary, to the satisfaction of the Secretary. 			Noted
Management Plan Requirements				
3	<p>The Proponent must ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <ul style="list-style-type: none"> (a) detailed baseline data; (b) a description of: <ul style="list-style-type: none"> • the relevant statutory requirements (including any relevant approval, licence or lease conditions); • any relevant limits or performance measures/criteria; and • the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; (d) a program to monitor and report on the: <ul style="list-style-type: none"> • impacts and environmental performance of the project; and • effectiveness of any management measures (see (c) above); (e) a contingency plan to manage any unpredicted impacts and their consequences; (f) a program to investigate and implement ways to improve the environmental performance of the project over time; (g) a protocol for managing and reporting any: <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with statutory requirements; and 	<ul style="list-style-type: none"> • Approved Management Plans (various dates) 	The Management Plans required under this Project Approval have been prepared generally in accordance with the guidelines outlined in Project Approval Schedule 5 condition 3.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<ul style="list-style-type: none"> exceedances of the impact assessment criteria and/or performance criteria; and (h) a protocol for periodic review of the plan. <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>			
Evidence of Consultation				
3A	<p>Where conditions of this approval require consultation with an identified party, the Proponent must:</p> <ul style="list-style-type: none"> (a) consult with the relevant party prior to submitting the subject document to the Secretary for approval; and (b) provide details of the consultation undertaken, including: <ul style="list-style-type: none"> the outcome of that consultation, matters resolved and unresolved; and details of any disagreement remaining between the party consulted and the Proponent and how the Proponent has addressed any unresolved matters. <p>However, if the Secretary agrees, a strategy, plan or program may be prepared without consultation being undertaken with an identified party required under a condition of this approval.</p>	Approved Management Plans (various dates)	Each environmental management plan provides a record of consultation including feedback and Metromix's response to feedback received.	Noted
Annual Review				
4	<p>By the end of March each year, the Proponent must review the environmental performance of the project to the satisfaction of the Secretary. This review must:</p> <ul style="list-style-type: none"> (a) describe the development (including rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year; (b) include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, which includes a comparison of these results against: <ul style="list-style-type: none"> the relevant statutory requirements, limits or performance measures/criteria; the monitoring results of previous years; and the relevant predictions in the documents listed in condition 2A of Schedule 2; (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance; (d) identify any trends in the monitoring data over the life of the project; (e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and (f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the project. 	2021 Annual Review	<p>This is the ninth Annual Review for the Teralba Quarry Extensions.</p> <p>All nominated contents are included in the document.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
Revision of Strategies, Plans & Programs				
5	<p>Within 3 months of the submission of an:</p> <p>(a) annual review under condition 4 above;</p> <p>(b) incident report under condition 7 below;</p> <p>(c) audit report under condition 9 below; and</p> <p>(d) any modifications to this approval, the Proponent must review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Secretary.</p> <p>The Proponent must notify the Department in writing of any such review being undertaken. Where this review leads to revisions in any such document, then within 6 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i></p>		All management plans were reviewed within three months of submission of the Annual Review 2020. The Noise Management Plan was updated in December 2021 in response to exceedances of noise limits identified in monitoring.	Compliant
Community Consultative Committee				
6	<p>The Proponent must establish and operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Secretary. This CCC must be operated in general accordance with the <i>Department's Community Consultative Committee Guidelines for State Significant Developments, November 2016, or its latest version</i>, and be operating within four months of the date of this approval</p> <p>Notes:</p> <ul style="list-style-type: none"> The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval. In accordance with the guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, Council, recognised environmental groups and the local community. 	<ul style="list-style-type: none"> CCC Meeting Minutes from 5 May 2021 (see Appendix 4) 	<p>The establishment of the Community Consultative Committee (CCC) occurred later than four months after the date of this approval.</p> <p>The non-compliance arose principally as Metromix experienced difficulties in attracting community representation onto the committee as evidenced from the consultation records. The first meeting of the CCC was held on 2 September 2013.</p>	<p>Historically Not Compliant (date for CCC establishment)</p> <p>Compliant (for operation of CCC)</p>
REPORTING				
Incident Reporting				
7	The Proponent must immediately notify the Secretary (using the contact name, email address and phone number provided by the Department from time to time) and any other relevant agencies of any incident.		All incidents were notified to DPIE and other relevant agencies in accordance with this condition during the reporting period.	Compliant
7B	Within 7 days of the date of the incident, the Proponent must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested. This report must include the time and date of the incident, details of the incident, measures implemented to prevent re-occurrence and must identify any non-compliance with this approval.			Not Triggered
Regular Reporting				
8	The Proponent must provide regular reporting on environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.	www.metromix.com.au/	Metromix updates the website for Teralba Quarry on a monthly basis.	Compliant







Condition No.	Project Approval condition	Verification	Comments	Compliance
INDEPENDENT ENVIRONMENTAL AUDIT				
9	<p>Within a year of the commencement of development on site under this approval, and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:</p> <ul style="list-style-type: none"> (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; (b) include consultation with the relevant agencies; (c) assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL and/or Water License (including any assessment, plan or program required under these approvals); (d) review the adequacy of any approved strategy, plan or program required under these approvals; and (e) recommend measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under these approvals. <p><i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</i></p>		<p>The first Independent Environmental Audit was conducted within 1 year of commencement of development by Trevor Brown endorsed by the Director-General on 14 January 2014.</p> <p>The second Independent Environmental Audit was conducted within 3 years of the first review by Trevor Brown endorsed by the Director-General on 15 December 2016</p> <p>The third Independent Environmental Audit was conducted within 3 years of the second Independent Environmental Audit and was undertaken by Mr James Hart of AQUAS on 3 and 4 February 2020 for the period 1 January 2017 to 31 December 2019.</p>	Compliant
10	<p>Within 3 months of commissioning this audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.</p>		<p>The first Independent Environmental Audit was submitted to the DPE in March 2014 together with the required response.</p> <p>The second Independent Environmental Audit was submitted to the DPE in February 2017 together with the required response.</p> <p>The third Independent Environmental Audit was submitted to the DPIE in March 2020 together with the required response.</p>	Compliant
ACCESS TO INFORMATION				
11	<p>Within 4 months of the date of this approval, the Proponent :</p> <ul style="list-style-type: none"> (a) make the following information publicly available on its website: <ul style="list-style-type: none"> • the EA; • current statutory approvals for the project; • approved strategies, plans or programs; • a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval; • a complaints register, updated on a quarterly basis; • minutes of CCC meetings; • copies of any annual reviews (over the last 5 years); • any independent environmental audit, and the Proponent's response to the recommendations in any audit; and • any other matter required by the Secretary; and (b) keep this information up-to-date, to the satisfaction of the Secretary. 	www.metromix.com.au/	<p>The following information is publicly available on Metromix' website:</p> <ul style="list-style-type: none"> • Environmental Protection License 536 • Teralba Quarry Project Approval 10_0183 • Response To EA Submissions • Environmental Assessment, Nov 2011 • Specialist Consultant Studies Compendium Volume 1 and Volume 2, Nov 2011 • Community Consultative Committee (CCC) Minutes • Environmental Management Strategy • Air Quality Management Plan • Blast Management Plan • Heritage Management Plan • Landscape Management Plan • Bushfire Management Plan 	Compliant Ongoing

Condition No.	Project Approval condition	Verification	Comments	Compliance
			<ul style="list-style-type: none">• Noise Management Plan• Transport Management Plan• Waste Management Plan• Water Management Plan• Community Complaints• Non Compliances• Monitoring results	

Part 2 Statement of Commitments

Note: All commitments that are duplicates (or with similar/identical outcomes) of the Conditions within PA10_0183 have been removed as part of the 2016 Annual Review.

Colour Code for Compliance Assessment

-  Compliant
-  Compliant Ongoing / In Progress
-  Non-compliant
-  Administrative Non-Compliance
-  Noted / Not Applicable / Not Yet Applicable
-  Not Activated / Not Yet Activated

Part 2 - Statement of Commitments

(Environmental Assessment Section 6 - Statements of Commitment, November 2011)

SoC No.	Action	Timing	Verification	Comment	Compliance
1	Activities and Operations				
All approved activities are undertaken in the area(s) nominated on the approved plans and figures (unless moved slightly to avoid individual trees).					
2	Operating Hours				
Management of operations in accordance with the approved operating hours. (Note: No activities and operations are proposed on public holidays).					
2.2	Undertake extraction and processing activities north of Rhondda Road between 7:00am and 8:00pm on Monday to Friday and 7:00am and 2:00pm on Saturdays.	During operations		Quarry operations north of Rhondda Road ceased in August 2013 and are not planned to re- commence until Year 9-10 (i.e. about 2022).	Not Yet Active
2.4	Undertake all blasts between 10:00am and 4:00pm Monday to Friday.	During operations	<ul style="list-style-type: none">Blast Monitoring Records 2021 – see Appendix 2	Blasts are only conducted between 10:00am and 4:00pm Monday to Friday.	Compliant
2.5	Restrict activities undertaken outside the hours identified is Commitments 2.1 and 2.2 to routine, low noise activities such as oil changes, minor welding and servicing of equipment.	During operations		Activities undertaken outside of the Hours of Work required under the Project Approval are not associated with resource extraction or transport of product.	Compliant
2.6	The nominated operating hours above in Action 2.3 do not apply to the delivery of material if that material is requested by police, any emergency service or Council. would be provided to the Secretary and EPA within a reasonable period of the request.	Details of the circumstances of these requests			Noted
3	Waste Management				
Minimisation of general waste creation and maximisation of recycling, wherever possible.					
3.1	Place all paper and general wastes originating from the site office, together with routine maintenance consumables from the daily servicing of equipment in garbage bins located adjacent to the site office and workshop.	Ongoing		All paper and general waste materials are placed in garbage bins.	Compliant
3.2	Segregate waste into recyclables and non-recyclable materials for removal by a licensed contractor.	Ongoing		Recyclables are separated.	Compliant
Minimisation of the potential risk of environmental impact due to waste creation, storage and/or disposal.					
3.3	Organise the regular collection of industrial wastes.	Monthly or as needs basis		Industrial wastes are collected by appropriately licenced operators as needed.	Compliant
3.4	Store waste oils and greases within the workshop area in either self-bunding containers or within suitably contained areas.	Ongoing		All oils and greases are stored in suitably banded containers	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
4	Security and Safety				
All members of the public are safe when near Teralba Quarry.					
4.1	Construct and maintain the perimeter fence around the Northern Extension.	Prior to commencement of clearing works		Extraction not yet commenced in the Northern Extension	Compliant
4.2	Maintain lockable gates at all entry/exit points. Lock gates outside of operational hours	Ongoing		Lockable gates have been installed and maintained at the entry and exit points from the Teralba Quarry sites.	Compliant
4.3	Erect security warning signs at strategic locations around and within the Project Site. The signs would identify the presence of earthmoving equipment, deep excavations and steep slopes.	Ongoing		Security warning signs are present around the site to warn of earthmoving equipment/vehicle movements, deep excavations and steep slopes of quarry excavation areas.	Compliant
4.4	Continue to induct employees in safe working practices and hold regular follow-up safety meetings and reviews.	Ongoing		Induction of employees in relation to safety and safe working practices occurs for all employees with follow-up Toolbox talks and meetings conducted to maintain employee awareness.	Compliant
4.5	Install bunds along the margins of all internal haul roads where those roads are positioned adjacent to steep slopes, adjacent to the boundary of the extraction area and adjacent to all other steep slopes	Ongoing		Internal roads have the boundary of the access routes marked to provide guidance to drivers in relation to safe distances from slopes adjacent to extraction areas.	Compliant
5	Rehabilitation and Biodiversity Offset Management				
5.1	Deleted.				
5.2	Deleted.				
6	Groundwater				
Prevention of groundwater contamination.					
6.1	Securely store all hydrocarbon products within designated and bunded areas – see Action 16.11.	Ongoing		All hydrocarbons are stored in suitably bunded containers	Compliant
6.2	Refuel and maintain all earthmoving equipment within designated areas – see Action 16.11.	Ongoing		All earthmoving equipment is refuelled in the fuel bay and maintained in the workshop.	Compliant
6.3	Prepare a Groundwater Management Plan, including trigger levels for actions – see Action 16.3.	Ongoing		Groundwater management is incorporated into the approved Water Management Plan.	Compliant
6.4	Prepare a Spill Management Plan to address potentially significant hydrocarbon spills – see Action 16.11.	Ongoing		Spill management is incorporated into document internal procedures	Compliant
Continuous monitoring of groundwater throughout the life of the Project.					
6.5	Develop and implement a monitoring program as part of the Soil and Water Management Plan.	Within 6 months of the receipt of project approval.	Water Management Plan 2020	A water monitoring program has been implemented in accordance with the Water Management Plan. This includes monitoring of the Adit Dam which is groundwater fed.	Compliant
6.6	Monitor water quality at the Mine Adit Dam for pH levels, electrical conductivity, suspended solids, and oil and grease.	Monthly (subject to review).	Water Management Plan 2020	Water quality monitoring is undertaken monthly at the Mine Adit Dam and at other locations only during discharge.	Compliant
6.7	Record flows/discharges from the Mine Adit Dam as well as quarry water usage.	Continuous	Water Management Plan 2020	Several flow meters have been installed at the Quarry to record this information.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
6.8	Review monitoring results to identify trends which may indicate impacts and allow mitigation measures to be implemented, if required.	Annually		All monitoring data is reviewed annually during preparation of the Annual Review Report for the Teralba Quarry.	Compliant Ongoing
6.9	Ensure all monitoring data is incorporated into each Annual Environment Management Report for the Teralba Quarry.	Annually		All monitoring data will be incorporated into the Annual Review Report for the Teralba Quarry	Compliant Ongoing
7	Surface Water				
Maintenance of surface water quality.					
7.1	Conduct site clearing activities in accordance with the Blue Book (Landcom, 2004) guidelines for erosion and sediment control.	Ongoing.	Biodiversity and Rehabilitation Management Plan 2019 and Water Management Plan 2020	No vegetation clearing occurring during the reporting period. A vegetation clearing protocol has been incorporated within the Biodiversity and Rehabilitation Management Plan 2019 and erosion and sediment controls described in the Water Management Plan 2020.	Compliant
7.2	Establish a regular monitoring program to review the effectiveness of all erosion and sediment control mitigation measures.	Prior to commencement of clearing works.	Biodiversity and Rehabilitation Management Plan 2019 and Water Management Plan 2020	No vegetation clearing occurring during the reporting period. Erosion and sediment controls are considered in planning and execution of vegetation clearing	Compliant
7.3	Incorporate an update of the current Water Management Plan (GHD, 2007) into the Soil and Water Management Plan to take into account the proposed Southern and Northern Extensions.	Within 6 months of date of project approval.	Water Management Plan 2020	The most recently approved Water Management Plan supersedes this commitment.	Compliant
7.4	Ensuring any off-site discharge is monitored and reported in accordance with Environment Protection Licence 536.	As Required.	Water Management Plan 2020	The water monitoring program in the approved Water Management Plan 2020 stipulates this requirement. Monitoring during the reporting period satisfied this requirement.	Compliant
Capture of sediment-laden water flows from project related disturbance					
7.9	Provide sufficient storage during all stages of works to prevent discharge off-site of sediment-laden water in accordance with the Blue Book (Landcom, 2004) guidelines for sediment retention dams.	Ongoing.	Water Management Plan 2020	The Water Management System at the Quarry has been designed to capture sediment laden runoff during design rainfall events.	Compliant
7.10	Inspect all sediment dams and maintain as necessary (keep records).	Monthly or following rainfall exceeding 100mm in 2 days.	Water Management Plan 2020	Weekly visual inspections of the Water Management System are undertaken.	Compliant
7.11	Remove accumulated sediment from sediment dams when storage capacity reduced by 25% - document activity in maintenance records.	Following routine inspection.	Water Management Plan 2020	There has been no requirement to remove accumulated sediment in dams. The most recent works involved rock and geofabric lining dams to prevent scouring.	Compliant
Prevention of hydrocarbon contamination of water on the Project Site.					
7.12	Securely store all hydrocarbon products within designated and bunded areas.	Ongoing		Diesel storage for use on the Teralba Quarry site is adjacent to the workshop area in a bunded aboveground tank.	Compliant
7.13	Refuel all earthmoving equipment within designated areas (with spill control).	Ongoing.			

SoC No.	Action	Timing	Verification	Comment	Compliance
Separation of groundwater and surface water flows.					
7.14	Construct a drain from Dam B directly to the nearby watercourse to divert surface flows away from the Mine Adit Dam.	Within 3 months of Project Approval or following advice from NOW whichever occurs sooner.	Observed drainage	A discharge point has been established from Dam B to the nearby watercourse to divert surface water flows away from the Mine Adit Dam A.	Compliant
8	Terrestrial Flora and Fauna				
Minimisation of impacts on flora and fauna within the Project Site.					
8.1	Prepare and implement a Site Vegetation Management Plan (as part of the overall Landscape Management Plan – see Commitment 16.7.	Within 12 months of the receipt of project approval.	Biodiversity and Rehabilitation Management Plan 2019	Vegetation management has been included in the approved Biodiversity and Rehabilitation Management Plan 2019.	Compliant
8.2	Clearly define the Tetratheca juncea sub-populations to be retained.	For the life of the Project.	Biodiversity and Rehabilitation Management Plan 2019	Locations of Tetratheca juncea sub-populations are identified as well as locations for translocated individuals.	Compliant
8.3	Continue the established rehabilitation practices in appropriate areas.	Ongoing.	Biodiversity and Rehabilitation Management Plan 2019	Progressive rehabilitation is occurring successfully.	Compliant
8.4	Retain the extracted topsoil and vegetation within the immediate area of Tetratheca juncea populations and relocate to easement locations.	During clearing.		Topsoil and vegetation in the vicinity of removed Tetratheca juncea populations has been applied in rehabilitation works.	Compliant
8.5	Transfer biomass directly from vegetation clearing operations to rehabilitation areas. If it is not possible to transfer directly, stockpile material.	Ongoing.		Biomass has been applied to areas undergoing rehabilitation.	Compliant
8.6	Control noxious weeds at all times in accordance with a Weed Management Plan (to be incorporated into the site Vegetation Management Plan).	Following approval of Landscape Management Plan (see Action 16.7) and then ongoing.	Bush Regeneration Report (Appendix 5) Biodiversity and Rehabilitation Management Plan 2019	Weed management is incorporated into annual management plans implemented by TENTACLE.	Compliant
8.7	Install species specific nesting boxes for fauna species displaced following clearing activities, re 20 boxes for microbats, 20 boxes for Little Lorikeets and 30 boxes for Sugar Gliders.	Prior to commencement of activities in the Northern Extension.	Nesting Box Monitoring Report (Appendix 6)	Nesting boxes have been installed and are monitored annually.	Compliant
9	Traffic and Transport				
Transport operations are undertaken with minimal impact on other road users and residents.					
9.1	Limit laden quarry-related truck movement numbers through Teralba: <ul style="list-style-type: none">9 per hour; and85 per day.	Ongoing	Transport Management Plan 2018 Transport Monitoring records (Appendix 2)	Traffic levels are limited in accordance with the consent and this commitment. Transport numbers and directions are reported each year and were compliant during the reporting period.	Compliant
9.2	Ensure that no product trucks from Teralba Quarry travel eastward through Teralba between 6:00pm and 6:00am.		Transport Monitoring records (Appendix 2)	No product trucks from Teralba Quarry travelled eastward through Teralba between 6:00pm and 6:00am during the reporting period.	Compliant
9.3	Ensure all vehicles exiting the Project Site pass through a wheel-wash facility to remove dust generating material.	Prior to removal of product from within the extensions.	Wheel wash observed.	All trucks are required to use the wheel wash prior to departing from the bottom gate at the Quarry.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
9.4	Provide a contribution to Lake Macquarie City Council during the ongoing life of the quarry if a suitable project approval is granted.	Quarterly.		A Voluntary Planning Agreement with Lake Macquarie Council has been signed and enacted.	Compliant
9.5	Prepare, implement and enforce 'Drivers Code of Conduct' addressing: <ul style="list-style-type: none"> • times that trucks can operate, especially through Teralba • speed limits; • duty of care to other drivers and pedestrians; • complaints procedure; • covering loads; and • avoidance of exhaust brakes. 	Prepare within 4 months of receipt of project approval.	Transport Management Plan 2018	The Drivers Code of Conduct is included in the approved plan and all drivers are required to sign and abide by the code of conduct. There were no incidents involving non-compliance with the code of conduct during the reporting period.	Compliant
9.6	Undertake all transport activities in accordance with the project approval and Environment Protection Licence 536.	Ongoing.	Transport Monitoring records (Appendix 2)	During the reporting period all transport activities occurred in accordance with the project approval and Environment Protection Licence 536.	Compliant
9.7	Ensure that only trucks owned by Metromix, or its shareholders and those of accredited contractors using airbag suspension and other noise controls are used to transport products between 10:00pm and 6:00am.	Ongoing	Transport Management Plan 2018	This requirement forms part of the Drivers Code of Conduct for the Quarry.	Compliant
9.8	Ensure that all project-related vehicles are regularly serviced to ensure engine efficiencies are maintained at a standard that limits truck noise.	Ongoing		Metromix maintains all company-owned trucks to ensure that truck noise is reduced.	Compliant
10	Noise and Vibration				
10.1	Ensure all mobile earthmoving equipment used on site is not fitted with high-frequency reversing alarms and is regularly serviced.	Ongoing.		No high-frequency mobile equipment reversing alarms are used at the Quarry. Metromix maintains all company-owned equipment to ensure that noise is reduced.	Compliant
10.2	Ensure all earthmoving equipment used on site (including temporary equipment) have sound power levels and frequency spectra consistent with those nominated in Section 6 of Spectrum Acoustics (2011).	When new or temporary equipment is brought to site.	Not required	Three new equipment was used at the Quarry during the reporting period all of which are within the nominated sound power levels and frequency spectra.	Compliant
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents.					
10.3	Ensure that the eastern side of the Southern Extension is extracted in such a manner that the active extraction face is retained on the eastern face thereby providing a topographic barrier between operating earthmoving equipment and residences to the east.	Ongoing throughout the extraction operations in the Southern Extension area.	Extraction progress	Metromix continued this pattern of development during the reporting period.	Compliant
10.4	Construct a 5m high bund on the eastern edge of the Mid Pit Extraction Area.	During Mid Pit Extraction operations.		No Mid-Pit extraction activities have been conducted since August 2013.	Not Active

SoC No.	Action	Timing	Verification	Comment	Compliance
10.5	Limit transportation noise by ensuring: <ul style="list-style-type: none"> all transport vehicles comply with the RTA's noise limits at all times; only trucks fitted with airbag suspension be used to transport products from the quarry between 10:00pm and 6:00am; and drivers comply with Code of Conduct. 	Ongoing.	Transport Management Plan 2018 Complaints register (Appendix 4)	Metromix operated in a manner that limited transport noise during the reporting period.	Compliant
10.6	Commission a noise monitoring program that comprises: <ul style="list-style-type: none"> attended noise monitoring for the Southern and Northern Extensions; and General noise monitoring. 	Within the first 3 months of operations in the Southern and Northern Extensions Biannually for the first year of operation in the Southern and Northern Extensions, and further monitoring when substantiated complaints are filed.	Noise Management Plan, Section 9, 2018	Noise monitoring is outlined in the Noise Management Plan: <ul style="list-style-type: none"> Independent monitoring is required to be undertaken during the first 2 years of operations at 6 monthly intervals coinciding with wind blowing in a predominantly eastern and western direction. Monitoring was only undertaken on two occasions during 2016. The frequency of monitoring will then revert to annual monitoring during a period of wind blowing from the western quadrant towards residences in Teralba. 	Compliant
					Noted
10.7	Include a summary of all noise monitoring results in the AEMR.	Annually.	This document	See Section 6.2	Compliant
10.8	Ensure all trucks departing the Project Site via the bottom gate travel at speeds <15km/hr.	Ongoing.	Transport Management Plan 2018	Truck speed is limited through signage and instruction provided in the Drivers Code of Conduct.	Compliant
10.9	Review blast designs and modify, if required.	When blasting within 500m of any residence.		No blasting has occurred throughout 2021 within 400m of any residence.	Noted
11	Air Quality				
	Site activities are undertaken without exceeding DECCW air quality criteria or goals.				
11.1	Minimise clearing ahead of extraction activities	Ongoing.	Biodiversity and Rehabilitation Management Plan 2019	No vegetation clearing occurring during the reporting period. Only those areas required for extraction are cleared ahead of time.	Compliant
11.2	Minimise the construction of minor roads and access tracks for soil stripping, extraction operations and rehabilitation.	Ongoing.	Biodiversity and Rehabilitation Management Plan 2019	No new roads or tracks were constructed during the reporting period.	Compliant
11.3	Operate a water truck to manage dust suppression during periods of extended dry weather and/or high winds, or when dust nuisance has the potential to occur as a result of quarrying activities.	Ongoing.	Observed equipment	A water cart is used at site for dust suppression.	Compliant
11.4	Stockpile material in sheltered locations away from sensitive receptors	Ongoing.		Stockpiles are located away from residences.	Compliant
11.5	Shield and/or suppress dust on conveyors and transfer points.	Ongoing.		Dust suppression is built into processing equipment.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
11.6	Limit internal road dust lift off by: <ul style="list-style-type: none"> • surfacing (and grading local) roads with appropriate materials; • enforcing a 30km/hr speed limit on all internal roads; • limiting load sizes to ensure that product does not extend over truck sidewalls; and • avoiding spillage during truck loading. 	Ongoing.	Air Quality Management Plan 2018	Quarry personnel actively limit dust generation by applying these measures.	Compliant
11.7	Minimise dump heights from trucks, front-end loaders and conveyors.	Ongoing.	Air Quality Management Plan 2018	Quarry personnel actively limit dust generation by applying this measure.	Compliant
11.8	Schedule blasts so that they do not occur during high wind situations.	Ongoing.	Air Quality Management Plan 2018	Blasts are scheduled in conjunction with the blasting contractor and decisions include consideration of forecast weather conditions.	Compliant
11.9	Cease or modify activities on dry windy days when dust plumes are visible.	Ongoing.	Air Quality Management Plan 2018	There were no conditions during which operations needed to cease or be reduced due to dry windy weather.	Compliant
11.10	Water exposed areas not covered by gravel under dry and windy conditions when dust plumes are visible.	Ongoing.	Observed equipment	A water cart is used at site for dust suppression.	Compliant
11.11	Adopt a complaints management system where all complaints are dealt with through investigation and implementation of corrective treatments.	Ongoing.	Complaints register (Appendix 4)	A complaints register has been established for the Quarry.	Compliant
11.12	Minimise truck queuing, unnecessary idling of trucks and unnecessary trips through logistical planning, where possible.	Ongoing.		Planning of truck loading and transport from the Teralba Quarry site reduces the queuing of trucks on site and unnecessary idling of trucks.	Compliant
11.13	Ensure the on-site wheel wash reduces mud tracking along Railway Street.	Ongoing.		Wheel washes have been installed before the exit to Railway Street from the Teralba Quarry (bottom wheel wash) to reduce the potential for mud tracking onto the public road.	Compliant Ongoing
11.14	Remove any mud tracking on Rhondda Road as a result of quarry movements.	Ongoing.		Wheel washes have been installed at the exit to Rhondda Road from the Teralba Quarry (top wheel wash) to reduce the potential for mud tracking onto the public road. Additional sprays and hard pavement surfaces were installed in 2016 to help reduce the potential for mud tracking onto the public road.	Compliant Ongoing
11.15	Prepare and implement a Dust Management Plan for the quarry.	Within 4 months of the receipt of project approval.	Air Quality Management Plan 2018	Incorporated into approved Air Quality Management Plan	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
Reduce the impact of Greenhouse Gas emissions from project related activities.					
11.16	Minimise the impacts of greenhouse gases relating from diesel consumption by: <ul style="list-style-type: none">• minimising the use of haul trucks through use of an overland conveyor;• reduce vehicle idling time;• maintaining optimum tyre pressures; and• the optimisation of haul routes to reduce transportation distance from the extraction areas.	Ongoing.		These measures are included in operations to minimise greenhouse gas generation.	Compliant
11.17	Minimise the impacts of greenhouse gases relating from electricity consumption by: <ul style="list-style-type: none">• ensuring the most efficient crusher and other processing plant technology is used;• regularly inspecting the daily operations of lighting; and• implementing solar-powered lighting, where possible.	Ongoing.		Electricity savings are encouraged at the Quarry and these measures are included in operations to minimise greenhouse gas generation.	Compliant
	Continue to monitor dust impacts through; <ul style="list-style-type: none">• the existing five deposited dust gauges; and• on-site meteorological monitoring to record relevant parameters.	Ongoing.	Air Quality Management Plan 2018	Landowners have requested that the deposited dust monitor at Margaret Street be removed. An alternate location has been identified at York Street.	Compliant
12	Visibility				
Reduce the impact of the Project on the visual amenity of private and public vantage points					
12.1	Ensure all vegetation is maintained outside the Southern and Northern Extensions to provide long term shielding.	Ongoing		Extraction in the Southern Extension Area has commenced and the vegetation on the eastern side of the Area has been retained to provide a visual screen.	Compliant Ongoing
12.2	Sequence extraction activities in the Southern Extension to limit exposure of western faces until vegetation is well established.	Years 3 to 11 (approx).	Plate 1	Extraction has been sequenced to obscure the western faces while vegetation is established on the uppermost (visible) benches.	Compliant
12.3	Progressively establish vegetation on extraction faces at 50mAHD and above in western section of the Southern Extension.	Years 3 to 11 (approx).			Not Yet Activated
12.4	Advance extraction in the eastern section of the Southern Extension in strips parallel to north-south faces.	Years 22 to 30 (approx).			Not Yet Activated
12.5	Include Annual photographs of the progressive rehabilitation of quarry benches in each AEMR.	Annually	Plate 5 and 6	Photos of progressive rehabilitation are included in Section 4 of the Annual Review	Compliant
13	Heritage				
Provide appropriate protection to existing and future identified Aboriginal artefacts.					
13.1	Halt all works in the immediate area if cultural objects are found and contact a suitably qualified archaeologist and Aboriginal community representative.	Ongoing	Heritage Management Plan 2019		Noted

SoC No.	Action	Timing	Verification	Comment	Compliance
13.2	Halt all works in the immediate area if human remains are found and contact NSW Police, Aboriginal community representative and OEH.	Ongoing	Heritage Management Plan 2019		Noted
13.3	Maintain reasonable efforts to avoid impacts to Aboriginal cultural heritage values at all stages of the development works	Ongoing	Heritage Management Plan 2019		Noted
13.4	Invite representatives of Local Aboriginal stakeholders to monitor initial ground disturbance activities.	Prior to soil stripping campaigns.	Heritage Management Plan 2019	No monitoring was undertaken during the reporting period but was undertaken on 25 February 2019.	Not Yet Activated
13.5	Provide appropriate protection to any non-Aboriginal artefacts identified in operational areas. Develop an Aboriginal Culture Educational Program for the induction of all personnel and contractors involved in the construction activities on site. Records are to be kept of which staff/contractors were inducted and when for the duration of the project. The program would be developed and implemented in collaboration with the local Aboriginal community.	Prior to first soil stripping campaign and then ongoing.	Heritage Management Plan 2019	No non-Aboriginal items had been identified in operational areas.	Noted
13.6	Halt all works in the immediate area if any non-Aboriginal artefacts are found and notify the Heritage Council of NSW.	Ongoing			Noted
14	Soils				
Prevent excessive soil deterioration during stripping and transportation.					
14.1	Undertake soil stripping within slightly moist condition and avoid excessively wet or dry conditions.	During soil stripping operations.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
14.2	Place stripped soil directly onto reshaped overburden or dedicated stockpile area.	During soil stripping operations.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
14.3	Remove soil through grading or pushing soil into windrows with graders or dozers for later collection for loading into rear dump trucks by front-end loaders.	During stripping and transport operations.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
Retention of soil viability until use in rehabilitation.					
14.4	Leave the surface of soil stockpiles in as coarsely structured a condition as possible in order to promote infiltration and minimise erosion until vegetation is established.	Immediately following stockpile construction.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
14.5	Maintain a maximum stockpile height of 3m. Clayey soils would be stored in lower stockpiles for shorter periods of time compared to coarser textured sandy soils.	During staged Rehabilitation stages.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
14.6	Seed soil stockpiles with sterile cover crop (and limited fertiliser) as soon as possible where stockpiling is planned.	Immediately following stockpile construction.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted

SoC No.	Action	Timing	Verification	Comment	Compliance
14.7	Maintain an inventory of available soil to ensure adequate topsoil materials are available for planned rehabilitation activities.	Ongoing.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
14.8	Assess soil stockpiles for weed infestation to determine if stockpiles require weed removal applications before being re-spread onto reshaped overburden.	During staged Rehabilitation stages.	Biodiversity and Rehabilitation Management Plan 2019	Soil management is implemented as required in accordance with the approved Biodiversity and Rehabilitation Management Plan	Noted
Achieve a good soil cover for long term rehabilitation.					
14.9	Spread topsoil to a minimum depth range of 0.1 m (steep slopes) to 0.2m (flatter areas). Specific topsoil resspreading depths for different post mining landform elements would be specified in the Landscape Management Plan.	During staged Rehabilitation stages.	<ul style="list-style-type: none">Biodiversity and Rehabilitation Management Plan, 2019, Table 10	The rehabilitation performance and completion criteria described in the Biodiversity and Rehabilitation Management Plan, Section 9, requires topsoil to be spread to a minimum depth of 0.2 m.	Compliant Ongoing
15	Bushfire Hazard				
Avoidance of any fires on site, particularly in native vegetation					
15.1	Adopt appropriate controls during re-fuelling.	Ongoing			Compliant Ongoing
15.2	Ensure fire extinguishers are fitted to all site vehicles.	Ongoing		All site vehicles have fire extinguishers installed.	Compliant
15.3	Incorporate a Bushfire Management Plan in the overall Emergency Response Plan for the quarry.	Within 6 months of the receipt of project approval.	Bushfire Management Plan 2014	Metromix operate in accordance with a Bushfire Management Pan	Compliant
16	Documentation and Further Approvals				
To provide site personnel with the necessary guidance on the expectations of Metromix management and the NSW Government and LMCC to achieve the required level of environmental performance.					
16.1	Environmental Management Strategy.	Within 6 months of the receipt of project approval.	Environmental Management Strategy 2019	Latest version approved in January 2019	Compliant
16.2	Environmental Management Plan (EMP). Focus on the next 5 years.	Within 6 months of receipt of project approval.	Environmental Management Strategy 2019	5-year planning is incorporated into the Environmental Management Strategy	Compliant
16.3	Soil and Water Management Plan. (Incorporating management, monitoring and contingency plans for soils, surface water and groundwater).	Within 6 months of the receipt of project approval	Water Management Plan 2020	Latest version approved in December 2020	Compliant
16.4	Noise and Blast Management Plan. (Incorporating a blast and noise monitoring component.)	Within 4 months of the receipt of project approval.	Blast Management Plan 2020 Noise Management Plan 2018	Blast Management Plan updated in 2020. Noise Management Plan updated in 2018.	Compliant
16.5	Air Quality Management Plan. (Incorporating an air quality monitoring component.)	Within 4 months of receipt of project approval.	Air Quality Management Plan 2018	Latest version approved in 2018	Compliant
16.6	Transport Management Plan.	Within 4 months of receipt of project approval.	Transport Management Plan 2018	Latest version approved in 2018	Compliant
16.7	Landscape Management Plan. (Incorporating a Vegetation Management Plan for site rehabilitation and the on-site Biodiversity offset.)	Within 12 months of the receipt of project approval.	Biodiversity and Rehabilitation Management Plan 2019	Latest version of Biodiversity and Rehabilitation Management Plan approved in 2019.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
16.8	Extraction Management Plan (for operations within 5 vertical metres of the Great North Coal Seam).	Prior to commencing any extraction within 5 vertical metres of the Great Northern Coal Seam.	Lower Level Management Plan 2018	Latest version approved in 2016	Compliant
16.9	Heritage Management Plan.	Within 4 months of the receipt of project approval.	Heritage Management Plan 2019	Latest version approved in 2019.	Compliant
16.10	Annual Environmental Management Report (AEMR).	Annually (by 31 March each year covering the previous calendar month) .	This document		Compliant
16.11	Hydrocarbon Management Plan. (Incorporating the storage and use of fuel and spill management.)	Within 6 months of receipt of approval.	Waste Management Plan 2019	Latest version approved in 2019.	Compliant
16.12	Annual Production Statistics to the DTIRIS (Division of Resources and Energy).	Annually (by 31 July).	See Appendix 2	These statistics are provided to the Division of Mining, Exploration, and Geoscience each year.	Compliant
16.13	Geotechnical Assessments and relevant design drawings for site structures and buildings (for submission to the Mines Subsidence Board).	Prior to construction of site infrastructure and buildings.		No buildings or structures had been constructed prior to this review so no design drawings for site structures and buildings (for submission to the Mines Subsidence Board) had been required.	Noted
Ensure planning is undertaken sufficiently ahead of quarry closure to achieve a smooth transition to the subsequent land uses					
16.14	Prepare a Quarry Closure and Final Land Use Plans for the land within the Project Site that is to be developed for purposes other than nature conservation. The Plans would be prepared in consultation with the Lower Macquarie City Council.	3 years prior to cessation of extraction north of Rhonddda Road (approximately 2031) and south of Rhonddda Road (approximately 2039).			Not Yet Activated