Appendix 4

2017 Internal Compliance Review

(Total No. of pages including blank pages = 38)

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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 shall 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 shall carry out the project generally in accordance with the: (a) EA; (b) statement of commitments; and (c) conditions of this approval. *Notes:* • *The general layout of the project is shown in Appendix 1 and Appendix 2.* • *The statement of commitments is reproduced in Appendix 3.*	• Environmental Assessment, Nov 2011 • Environmental Assessment, Section 6 Statement of Commitments, Nov 2011 • Project Approval 10_0183	The Teralba Quarry Extension project is being developed generally in accordance with the Environmental Assessment November 2011, the conditions of Project Approval and general layout of the project Appendix 1 and Appendix 2 of the Project Approval.	**Compliant Ongoing**
3.	If there is any inconsistency between the above documents, 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.	The Proponent shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of: (a) any reports, strategies, plans, programs, reviews, audits or correspondence that are submitted in accordance with this approval; and (b) 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**
	LIMITS ON APPROVAL			
	Quarrying Operations			
5.	The Proponent may carry out quarrying operations on the site until 31 December 2038. *Note: Under this approval, the Proponent is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Director-General. 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.*			**Noted**

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>Extractive Material Limits</td><td></td><td></td><td></td></tr>
<tr><td>6.</td><td>The Proponent shall 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.
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.</td><td></td><td>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.</td><td>Compliant Ongoing</td></tr>
<tr><td>7.</td><td>The Proponent shall not extract more than 1.2 million tonnes of extractive materials from the site in any calendar year.</td><td></td><td>Extraction of materials from the Teralba Quarry site was less than 1.2 million tonnes from January 2017 to December 2017.</td><td>Compliant</td></tr>
<tr><td></td><td>Extractive Material Transport</td><td></td><td></td><td></td></tr>
<tr><td>8.</td><td>The Proponent shall 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
(f) receive un-laden trucks via the Railway Street entrance between 6 pm and 7 am.</td><td>• Teralba Truck Movements, January 2017 to December 2017</td><td>Transport of extracted materials from the Teralba Quarry between January 2017 and December 2017 indicated:
(a) less than 1 million tonnes of extracted material was transported from the site between January 2017 and December 2017
(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;
(d) laden trucks travelling eastwards through Teralba did not exceed 85 per day.
(e) laden trucks have not travelled eastward through Teralba prior to 6 am;
(f) un-laden trucks were not received via the Railway Street entrance between 6 pm and 7 am.</td><td>Compliant</td></tr>
<tr><td>9.</td><td>The Proponent shall limit the total hourly truck dispatch rates from the site to the levels shown in Table 1.
Table 1 – Truck Dispatch Hours
<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>
Note: Dispatch times and maximum hourly rates westwards along Rhondda Road or eastwards through Teralba are further limited by condition 8 above.</td><td></td><td>Hourly dispatch rates were at or within project approval rates in 2017.</td><td>Compliant</td></tr>
</table>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Receival of Concrete, Virgin Excavated Natural Material and Excavated Natural Material			
10.	The Proponent shall 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.		. On EPA Licence No 13015 (former Civil Lake site) Material concrete washout was received in Nov and Dec, 1 983 tonnes	**Compliant**
11.	The Proponent shall 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 2017 to December 2017.	**Compliant**
	SURRENDER OF CONSENTS			
12.	By the end of December 2013, or as otherwise agreed by the Director-General, the Proponent shall surrender the development consent (DA 130/42) for existing operations on the site in accordance with Section 104A of the EP&A Act. *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.*	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.	The Proponent shall ensure that any new buildings and structures, and any alterations, or additions to existing buildings and structures, are constructed: a) in accordance with the relevant requirements of the BCA; and b) to the satisfaction of the Mine Subsidence Board.		No new buildings constructed on site between January 2017 and December 2017.	**Not Applicable**
	DEMOLITION			
14.	The Proponent shall 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 2017 and December 2017.	**Not Applicable**
	PROTECTION OF PUBLIC INFRASTRUCTURE			
15.	The Proponent shall: (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 has been damaged or relocated as a result of the project between January 2017 and December 2017.	**Not Activated**
	PLANNING AGREEMENT			
16.	Within 12 months of the date of this approval, unless otherwise agreed by the Director-General, the Proponent shall 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. 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 Director-General for resolution.	• Project Approval 10_0183, granted 22 Feb 2013	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. Metromix agreed to pay the Council the $0.066/t/km plus rise and fall.	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	ROAD MAINTENANCE			
17.	During the life of the project, for each calendar year, the Proponent shall 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: (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 voluntary planning agreement has been registered on the title.	**Compliant Ongoing**
	OPERATION OF PLANT AND EQUIPMENT			
18.	The Proponent shall ensure that all plant and equipment used at the site is: (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 Director-General, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis. *Notes:* • *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.*	• Environmental Management Strategy, Aug 2013 • Air Quality Management Plan, Sep 2013 • Blast Management Plan, Sep 2013 • Noise Management Plan, Nov 2013 • Transport Management Plan, Sep 2013 • Waste Management Plan, Sep 2013 • Water Management Plan, 2016 • Landscape Management Plan • Heritage Management Plan • Lower Level Management Plan 2016	All required Management Plans have been finalised. Each plan is reviewed on an annual basis.	**Compliant Ongoing**
	PRODUCTION DATA			
20.	The Proponent shall: (a) provide annual quarry production data to DRE using the standard form for that purpose; and (b) include a copy of this data in the Annual Review (see condition 4 of		Annual production data for July 2016 to June 2017was reported to the DRG and the data will be included in the Annual Review (see Appendix 2).	**Compliant Ongoing**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	schedule 5).			
	SCHEDULE 3 **ENVIRONMENTAL PERFORMANCE CONDITIONS**			
	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION			
1.	Prior to carrying out quarrying operations under this approval, the Proponent shall: (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 Director-General.	• 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 shall 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.		The boundaries of the approved limits of the Teralba Quarry lease activities have been marked with coloured poles for the various areas: • White poles - Stage 1A, • Yellow poles – quarry extraction limits • Blue poles - Pugmill Area • Green poles – Downer EDI Signage is to be placed on the posts to specifically identify each of the active areas of works within the Teralba Quarry lease boundaries.	**Compliant Ongoing**
	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.	• 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, September 2016.	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.	**Noted**
	Lower Level Extraction Management Plan			
4.	The Proponent shall 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 Director-General. This plan must: (a) be submitted for approval to the D-G 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 Director-General;	• Lower Level Extraction Plan, September 2016 • Teralba Quarry Extension Geotechnical Assessment, Mar 2006	A Lower Level Extraction Management Plan was completed in 2016 and approved in November 2016. Extraction above the coal seam commenced in early 2017.	**Compliant**

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>(c) provide for the achievement of the measures set out in condition 3 above;
(d) describe the measures that would be implemented to ensure:
• 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;
(e) include a Spontaneous Combustion Management Plan, which has been prepared in consultation with DRE and Oceanic Coal Pty Ltd, to manage the potential risks and impacts of spontaneous combustion or heating of coal, and which:
• 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.</td><td>• Preliminary comments on Quarry Operations – Interactions with On-site Coal Resource, 28 Nov 2012</td><td></td><td></td></tr>
<tr><td></td><td>NOISE</td><td></td><td></td><td></td></tr>
<tr><td>5.</td><td>The Proponent shall ensure that the noise generated by the project does not exceed the criteria in Table 2 at any residence on privately-owned land.
Table 2: Noise criteria dB(A)
<table>
<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>
<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>
</table>
Notes:
• 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.
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.</td><td>EPL condition L5.1</td><td>Noise monitoring was conducted for the Teralba Quarry in August and November 2017.

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.</td><td>Compliant</td></tr>
</table>

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>Hours of Operation</td><td></td><td></td><td></td></tr>
<tr><td>6.</td><td>The Proponent shall comply with the operating hours set out in
Table 3: Operating Hours
<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>
Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.</td><td></td><td>All activities at the Teralba Quarry occurred within the approved operating hours during the period from 1 January 2017 to 31 December2017.</td><td>Compliant</td></tr>
<tr><td></td><td>Operating Conditions</td><td></td><td></td><td></td></tr>
<tr><td>7.</td><td>The Proponent shall:
(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 Director-General.</td><td>• Noise Management Plan Nov 2013</td><td>The Noise Management Plan Section 8 outlines control measures to be implemented and describes the noise management practices to be implemented on the site:
(a) Section 8.4 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 8.5 addresses operational noise management under adverse weather conditions;
(c) Section 8.3 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 9 outlines Evaluation of Compliance</td><td>Compliant</td></tr>
<tr><td></td><td>Noise Management Plan</td><td></td><td></td><td></td></tr>
<tr><td></td><td>The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Director-General. This plan must:
(a) be submitted for approval to the Director-General within 4 months of the date of this approval;
(b) describe the measures that would be implemented to ensure:
• 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; (c) describe</td><td>• Noise Management Plan, 31 Jul 2013
• Letter form DP&I re Comments on Noise Management Plan, 15 Aug 2013
• Noise Management Plan dated Nov 2013
• Letter from DP&I re Approval of Noise Management Plan, 16 Jan 2014</td><td>A Noise Management Plan was prepared and submitted to DP&I on 31 July 2013.
(a) The Noise Management Plan was submitted to DP&I on 31 July 2013 and the revised Plan approved on 16 January 2014;
(b) Noise Management Plan Section 8 describes Control Measures for noise from the quarry and transport operations, and management under adverse weather conditions. Section 9 describes Noise Monitoring Protocol and Evaluation of Compliance.
(c) Noise Management Plan describes the overall noise management system</td><td>Compliant</td></tr>
</table>

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>the proposed noise management system in detail; and
(d) include a monitoring program that:
• 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.</td><td></td><td>(d) Noise Management Plan Section 9 describes Noise Monitoring Protocol and Evaluation of Compliance.
(e) Noise Management Plan Section 9 addresses Corrective and Preventative Actions and Section 11 address Information and Communication and Incident Reporting.</td><td></td></tr>
<tr><td></td><td>BLASTING</td><td></td><td></td><td></td></tr>
<tr><td></td><td>Blasting Criteria</td><td></td><td></td><td></td></tr>
<tr><td>9.</td><td>The Proponent shall ensure that the blasting on the site does not cause exceedances of the criteria in Table 4.
Table 4: Blasting criteria
<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 rowspan="2"></td><td>120</td><td>10</td><td>0%</td></tr>
<tr><td>115</td><td>5</td><td>5% of the total number of blasts over a 12 mth period</td></tr>
</table>
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.</td><td></td><td>35 blasts were conducted between January 2017 and December 2017 all of which were monitored. However, blast 35 in December 2017 had only one blast monitor in place when fired. Compliance with the blast criteria is inferred from the monitored results and the historic blast results from that location. There were no recorded overpressure results greater than 115dB(L) and no vibration measurements recorded greater than 5mm/s.

No agreements have been made with any relevant landowners in relation to blasting.</td><td>Compliant</td></tr>
<tr><td></td><td>Blasting Hours</td><td></td><td></td><td></td></tr>
<tr><td>10.</td><td>The Proponent shall 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 Director-General.</td><td>• Blast Monitoring Results Teralba Quarry, 2016</td><td>All blasts conducted at the Teralba Quarry have occurred between 10:00am and 4:00pm, i.e. between 10:07am and 3.13.pm (see Table 4-8).</td><td>Compliant</td></tr>
<tr><td></td><td>Blasting Frequency</td><td></td><td></td><td></td></tr>
<tr><td>11.</td><td>The Proponent shall not carry out more than 1 blast a day on site, unless an additional blast is required following a blast misfire. Note: A blast may involve a number of explosions within a short period, typically less than two minutes.</td><td>• Blast Monitoring Results Teralba Quarry, 2016</td><td>All blast conducted in 2017 were single blasts.</td><td>Compliant</td></tr>
</table>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	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 shall: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to: • 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 blasting has occurred within 500m of any buildings and/or structures on privately owned land.	**Not Activated**
	Property Investigations			
	If the owner of any privately-owned land claims that the buildings and/or structures on his/her land 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 shall: (a) commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties, to investigate the claim; and (b) give the landowner a copy of the property investigation report. If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent shall repair the damages to the satisfaction of the Director-General. If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Director-General for resolution.			**Not Activated**
	Operating Conditions			
14.	During blasting operations, the Proponent shall: (a) implement best management practice to: • 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 Director-General.	• Blast Management Plan, Sep 2013	The Blast Management Plan provides (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.	The Proponent shall not undertake blasting within 500 metres of: (a) any public road without the approval of Council; or (b) any land outside the site not owned by the Proponent, unless: • 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: ○ demonstrated to the satisfaction of the D-G 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.		Blasting did not occur between January 2017 and December 2017: (a) within 500m of a public Road; or (b) within 500m of any residences or any land or buildings / structures outside the Teralba Quarry site operations owned by the Metromix.	**Compliant**
	Blast Management Plan			
16.	The Proponent shall prepare and implement a Blast Management Plan for the project to the satisfaction of the Director-General. This plan must: (a) be submitted to the Director-General for approval within 4 months from the date of project approval; (b) be prepared in consultation with the Council and interested members of the local community potentially affected by blasting operations; (c) describe the measures that would be implemented to ensure: • best management practice is being employed; and • compliance with the relevant conditions of this approval; (d) include a road closure management plan for blasting within 500 metres of a public road, that has been prepared in consultation with Council; (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 (f) include a monitoring program for evaluating the performance of the project including: • compliance with the applicable criteria; and • minimising fume emissions from the site.	• 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	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: (a) Blast Management Plan submitted to DP&I on 6 September 2013; (b) The Blast Management Plan was prepared in consultation with the Lake Macquarie City Council and residents of Teralba (Rhondda Road, Watkins Lane, Rodgers Street, Railway Street, Pitt Street, Myrtle Street and James Street); (c) Blast Management Plan Section 8 presented Control Measures; (d) Blast Management Plan Section 7.2.4 states *"there will no need to close Rhondda Road for short periods during a blast as the closest blasting location is 11pprox.. 400m north of the closest blasting within the Southern Extension."* (e) Blast Management Plan Section 7.2.5 addresses blast fume potential and management; (f) Blast Management Plan Section 9 provides blast and fume monitoring and Section 10 addresses Evaluation of Compliance. Blast contractors failed to check that all blast monitors were in blast prior to initiating a blast on 15 December 2017. Blast monitoring at Location 1 (of two locations) did not occur during this blast event.	**Administrative Non-Compliance**

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>AIR QUALITY</td><td></td><td></td><td></td></tr>
<tr><td></td><td>Air Quality Criteria</td><td></td><td></td><td></td></tr>
<tr><td>17.</td><td>The Proponent shall 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.
Table 5: Long-Term Impact Assessment Criteria for Particulate Matter
<table>
<tr><td>Pollutant</td><td>Averaging Period</td><td>Criterion</td></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>
Table 6: Short Term Impact Assessment Criteria for Particulate Matter
<table>
<tr><td>Pollutant</td><td>Averaging Period</td><td>Criterion</td></tr>
<tr><td>Particulate Matter <10 µm (PM10)</td><td>24 hour</td><td>50 µg/m3</td></tr>
</table>
Table 7: Long-Term Impact Assessment Criteria for Deposited Dust
<table>
<tr><td>Pollutant</td><td>Averaging Period</td><td>Max increase in Deposited Dust Level</td><td>Max Total Deposited Dust Level</td></tr>
<tr><td>Deposited dust</td><td>Annual</td><td>2g/m2/mth</td><td>4g/m2/mth</td></tr>
</table>
Notes to Tables 5-7:
a - Total impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to all other sources);
b - Incremental impact (i.e. incremental increase in concentrations due to the project on its own);
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.
d - Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed by the Director-General in consultation with EPA.</td><td>• Air Quality Management Plan, Section 8, Sep 2013</td><td>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.

The Air Quality Management Plan Section 9 describes the Air Quality Monitoring program to be conducted:
• Five (5) dust deposition gauges are located to the east of the Teralba Quarry and on the outskirts of Teralba:
○ Hillside Crescent (established June 2004)
○ Myrtle Street (established June 2004)
○ Rhondda Road (established June 2004)
○ Rodgers Street (established April 2011)
○ Margaret Street (established April 2011)

• A High Volume Air Sampler (HVAS) with PM_{10} was installed at Rodgers St, Teralba in July 2014.</td><td>Compliant</td></tr>
<tr><td></td><td>Greenhouse Gas Emissions</td><td></td><td></td><td></td></tr>
<tr><td>18</td><td>The Proponent shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.</td><td></td><td></td><td>Noted</td></tr>
</table>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Operating Conditions			
19	The Proponent shall: (a) implement best management practice to minimise the dust emissions of the project; (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, (c) minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see Note d to Tables 5-7 above); (d) minimise any visible off-site air pollution; and (e) minimise surface disturbance of the site, other than as permitted under this approval.	• Air Quality Management Plan, Sep 2013	(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. (b) If monitoring results approach the criteria identified in Project Approval Schedule 3 condition 17, the Quarry Manager or Quarry Supervisor will review: 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. 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 DP&I and EPA within 7 days of the exceedance in accordance with Project Approval Schedule 5 condition 7. (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. (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. (e) When areas within the Quarry Site are no longer required for operational purposes, they are rehabilitated in accordance with the Landscape Management Plan.	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Air Quality Management Plan			
20	The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with Council, and submitted for approval to the Director-General within 4 months of the date of this approval; (b) describes the measures that would be implemented to ensure: • 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; (c) describes the proposed air quality management system; and (d) includes an air quality monitoring program that: • 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.	• Letter from DP&I re Comments on Air Quality Management Plan, 15 Aug 2013 • Letter to DP&I re Air Quality Management Plan, 6 Sep 2013 • Air Quality Management Plan, Sep 2013 • Letter from DP&I re Approval of Air Quality Management Plan, 10 Oct 2013	The Air Quality Management Plan was prepared to satisfy this Project Approval condition and was approved by DP&I on 10 October 2013: (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. 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. (b) measures implemented are: • 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; (c) the Air Quality Management Plan presents the air quality management system for the Teralba Quarry; (d) Sections 9, 10 and 11 address air quality monitoring and compliance	**Compliant**
	METEOROLOGICAL MONITORING			
21	For the life of the project, the Proponent shall ensure that there is a suitable meteorological station operating in the vicinity of the site that: • 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.	• Environment Protection Licence No. 536	The Environment Protection Licence No. 0536 condition M5 describes the requirements for a meteorological station to be available on the Teralba Quarry site. 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. The station results are relayed to the computer system in the Teralba Quarry office and are continuously available for on site management of activities. In the period between the 3 and 21 November 2017 the humidity reading on the weather station failed and a replacement part had to be sourced. Review of	**Administrative Non-Compliance**

Condition No.	Project Approval condition	Verification	Comments	Compliance
			humidity readings from earlier in the year indicated that several of the results were anomalous and therefore considered to be inaccurate.	
	SOIL & WATER			
	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		Metromix holds Water Access Licence 208L173206 for 1407ML/a for water pumped from Dam A.	**Compliant**
	Water Supply			
22	The Proponent shall 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.		Sufficient water supply for the Teralba Quarry activities is available from the Mine Audit of the historic underground coal workings.	**Compliant**
	Surface Water Discharges			
23	The Proponent shall 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.	• Environment Protection Licence No. 536	The Environment Protection Licence No. 0536 Variation condition P1.2, identifies EPA approved water discharge points 4 and 5 to be monitored monthly or during discharge (when water is available) for pH, EC, and total suspended solids (TSS), 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 shall 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 shall 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) shall be designed in accordance with: • 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 *Storing and Handling Liquids: Environmental Protection Manual*). Waste oil is placed in the bunded waste oil tank and the waste oil collected for recycling by Trans-Pacific.	**Compliant**
	Water Management Plan			
26	The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Director-General. 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 Director-General, and be submitted to the Director-General 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	• Water Management Plan, 2016	The Water Management Plan was prepared in consultation with the Lake Macquarie City Council , DPI – Water. Metromix received approval of Water Management Plan in December 2016.	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	condition 3 of schedule 5), this plan must include:			
26	(a) Site Water Balance that: • includes details of: ○ 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;	• Water Management Plan, Section 7.4, Aug 2013 • Specialist Consultant Studies Compendium for the Teralba Quarry Extensions EA, Jun 2012 • Part 3 –Surface Water Assessment –BMT-WBM Pty Ltd (2011) • NOW Licence No. 20BL173206,	(a) The site water balance was prepared as part of the Environmental Assessment for the project: ○ 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 NOW Licence No. 20BL173206 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**
26	(b) Surface Water Management Plan, that includes: • 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: ○ clean water diversion systems; ○ erosion and sediment controls; and o water storages; • design objectives and performance criteria for proposed: ○ 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: ○ 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: ○ 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	Water Management Plan, Section 7.3, Aug 2013	(b) Surface Water Management has been prepared as part of the Water Management Plan Section 7: • Section 7.1.3 addresses Existing Surface Water Quality • Section 7.1 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 10 provides a review of the dirty water management system, and Section 8 outlines options to improve storage and retention times in accordance with The Blue Book	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	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			
26	(c) Groundwater Management Plan, that includes: • 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: ○ surface water inflows into the groundwater system beneath the site; ○ the impacts of the project on: - 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; *Note: The Director-General may require the Proponent to implement upgrades and other changes identified under paragraph (b), in accordance with condition 4 of schedule 2.*	Water Management Plan, Section 7.2, Aug 2013	(c) A Groundwater Management Plan has been incorporated in the Water Management Plan Section 7.2: • Sections 7.2.1 to 7.2.3 outline baseline groundwater yield and quality in the area of the Teralba Quarry; • Section 9.3 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 shall 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.		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 shall ensure that the: (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 (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 Director-General.		(a) Works on the eastern faces of the Southern Extension Area (Stage 1A) commenced in December 2013. (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.	**In Progress**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Operating Conditions			
29	The Proponent shall (a) implement all reasonable and feasible measures to minimise the visual impacts and any offsite lighting impacts of the project; and (b) maintain and improve the effectiveness of the vegetated plantings on the quarry benches, over the life of the project.		(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; (b) Revegetation of the completed areas of the Teralba Quarry appears consistent with the surrounding tree canopy.	**Compliant Ongoing**
	Advertising Signage			
30	The Proponent shall not erect or display any advertising structure(s) or signs on the site without the written approval of the Director-General. *Note: This condition does not require approval for any business identification, traffic management, and/or safety or environmental signs*.		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 shall: (a) commission a suitably qualified and experienced person endorsed by the Director-General 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 Director- General 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.	• 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 (Ken Hollyoak – suitably qualified and experienced traffic consultant) 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 shall 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 Director-General.		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.	
	Operating Conditions			
33	The Proponent shall 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, will not occur until 2022-2024.	**Not Yet Applicable**
34	Within 6 months of the date of this approval, the Proponent shall 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	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
			2013.	
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**
36	The Proponent shall 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 leaving the Teralba Quarry site were observed to have their loads covered.	**Compliant**
37	During the AM peak period and PM peak period, the Proponent shall 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 Director-General.	• Traffic Management Plan, Oct 2013 • 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 and fitted with airbag suspension.	**Compliant**
	Maintenance			
39	The Proponent shall 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 Director- General.		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 shall: (a) keep accurate records of: • 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.	• Traffic Management Plan, Oct 2013 • 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 Annual Review; (b) All laden truck movements from the site are recorded in accordance with this condition; (c) Truck movements recorded on placed on the Metromix website typically on a monthly basis.	**Compliant**
	Road Signage			
41	Within 6 months of the date of this approval the Proponent shall install flashing lights within Northville Drive for the 40 km school zones outside of Barnsley and Edgeworth Heights Public Schools, to the satisfaction of RMS.	• Letter from DP&I re Project Approval Schedule 3 condition 41, 15 Aug 2013	RMS did not support the installation of flashing lights at school zones by parties other than RMS. DP&I accepted that Metromix did not have to implement this condition.	**Not Applicable**
42	Prior to carrying out quarrying operations under this approval, the Proponent shall 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**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Parking			
43	The Proponent shall 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**
	Transport Management Plan			
44	The Proponent shall prepare and implement a Transport Management Plan for the project to the Director-General. This plan must: (a) be prepared by a suitably qualified traffic consultant in consultation with the RMS and Council, and submitted to the Director-General for approval within 4 months of the date of this approval; (b) include a drivers' code of conduct for the project; (c) describe the measures that would be implemented to ensure: • 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 (d) include a program to monitor the effectiveness of the implementation of these measures.	• Transport Management Plan, Oct 2013	A Traffic Management Plan was prepared in June 2013 to satisfy this condition and was approved by DP&I on 10 October 2013: (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; (b) Traffic Management Plan Appendix 1 provides the Drivers Code of Conduct; (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. (d) Traffic Management Plan Section 8 describes Performance and Monitoring of the truck and transport management plan requirements. There were no identified departures from the Teralba Quarry Driver's Code of Conduct during the period from January 2017 to December 2017.	**Compliant**
	BUSHFIRE MANAGEMENT			
45	The Proponent shall: a) ensure that the project is suitably equipped to respond to any fires on site; and 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.	• Bushfire Management Plan, Feb 2014	A Bushfire Management Plan for the Teralba Quarry was approved in 2014 by the Department of Planning.	**Compliant**
	WASTE			
46	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.	• Waste Management Plan, Oct 2013	A 'Resource recovery exemption' under the *Protection of the Environment Operations Act* 1997 will be obtained when VENM/ ENM is required for the site.	**Not Activated**
47	The Proponent shall: (a) minimise the waste generated by the project; and (b) ensure that the waste generated by the project is appropriately stored,	• Waste Management Plan, Oct 2013	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	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	handled, and disposed of, to the satisfaction of the Director-General.		Waste contractors, and One Steel Metal Recycling Services.	
48	The Proponent shall prepare and implement a Waste Management Plan for the project to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with DRE and Council, and submitted to the Director-General 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.	• Waste Management Plan, Oct 2013	The Waste Management Plan was approved by DP&I on 10 Oct 2013: (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	The Proponent shall prepare and implement a Heritage Management Plan for the project to the satisfaction of the Director- General. This plan must: (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: • 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.	• Heritage Management Plan, Aug 2013 • Letter from DP&I re Comments on the Aboriginal Heritage Management Plan, 16 January 2014	An Aboriginal 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. (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**
	LANDSCAPE			
	Fauna Habitat			
50	The Proponent shall 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.	• 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 commissioned Kendall and Kendall to undertake an inspection and report upon the use of the boxes since 2014 (see Pages A2-95 – A2-140).	**Compliant**

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td>51</td><td>The Proponent shall, 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.</td><td></td><td>The Stripping Plan Procedure was implemented before any clearance occurred in the Southern Extension Area Stage 1A.
Clearing conducted for the commencement of the Stage 1A involved the protection of a hollow-bearing tree near the boundary of the extraction activity..</td><td>Compliant Ongoing</td></tr>
<tr><td></td><td>Biodiversity Offset Strategy</td><td></td><td></td><td></td></tr>
<tr><td>52</td><td>The Proponent shall implement the Biodiversity Offset Strategy, as described in the EA, summarised in Table 8 and shown conceptually in the figure in Appendix 5, to the satisfaction of the Director-General.
Table8: Biodiversity Offset Strategy
<table>
<tr><td>Area</td><td>Offset Type</td><td>Minimum Size (ha)</td></tr>
<tr><td>Offset Area</td><td rowspan="2">Existing Vegetation to be enhanced</td><td>142.6ha</td></tr>
<tr><td>Total</td><td>142.6ha</td></tr>
</table></td><td>• Environmental Assessment, Section 2.17
• Project Approval Appendix 5</td><td>This condition is the subject of a modification application that is currently being assessed by DPE. It is currently expected that final Biodiversity Offset Strategy would be prepared and submitted by 30 June 2018 and the strategy would be implemented by 31 December 2018.</td><td>Not Yet Activated</td></tr>
<tr><td></td><td>Long Term Security of Offsets</td><td></td><td></td><td></td></tr>
<tr><td>53</td><td>By the end of June 2014, unless the Director-General agrees otherwise, the Proponent shall enter into a conservation
agreement pursuant to section 69B of the National Parks and
Wildlife Act 1974 for the Offset Area, which records the obligations assumed by the Proponent under the conditions of this approval in relation to this area, and shall register this agreement pursuant to section 69F of the National Parks and Wildlife Act 1974. The conservation agreement must remain in force in perpetuity.
If OEH is not prepared to enter into a conservation agreement, then to satisfy this condition, the Proponent may propose another conservation measure to secure the offset for approval by the Director-General.</td><td></td><td>As per Condition 53, it is anticipated that the Biodiversity Offset Strategy would be implemented by 31 December 2018.

.</td><td>In Progress</td></tr>
<tr><td></td><td>Relocated Power-lines</td><td></td><td></td><td></td></tr>
<tr><td>54</td><td>The Proponent shall ensure that any relocation of existing power- lines on-site does not cause greater than minor environmental consequences within the Offset Area.</td><td></td><td>Relocation of power lines is planned to occur in 2018/2019 as the development of the Southern section progresses.</td><td>Noted</td></tr>
</table>

<table>
<tr><th>Condition No.</th><th>Project Approval condition</th><th>Verification</th><th>Comments</th><th>Compliance</th></tr>
<tr><td></td><td>Rehabilitation Objectives</td><td></td><td></td><td></td></tr>
<tr><td>55</td><td>The Proponent shall rehabilitate the site to the satisfaction of the Director-General. 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.
<table>
<tr><th>Feature</th><th>Objective</th></tr>
<tr><td>Site (as a whole)</td><td>Safe, stable & non-polluting</td></tr>
<tr><td>Surface Infrastructure</td><td>To be decommissioned and removed unless the D-G agrees otherwise.</td></tr>
<tr><td>Benched Quarry Walls</td><td>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 Floor and Silt Ponds</td><td>Landscaped and revegetated utilising native flora species and felled trees from clearing.</td></tr>
<tr><td>Other Land Affected by the Project</td><td>Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of:
• native endemic species: and
• a landform consistent with Figure 8 (Appendix 6) and the surrounding environment.</td></tr>
</table></td><td>Environmental Assessment Project Approval – Appendix 6</td><td>Works currently in progress are consistent with those required to achieve the required final landform.

Rehabilitation of former silt cells and upper benches of Stage 1B has commenced and is consistent with these objectives.</td><td>Noted</td></tr>
<tr><td></td><td>Progressive Rehabilitation</td><td></td><td></td><td></td></tr>
<tr><td>56</td><td>The Proponent shall 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 rehabilitation strategies shall be employed when areas prone to dust generation cannot yet be permanently rehabilitated.</td><td></td><td>The Teralba Quarry disturbed areas are being progressively rehabilitated as is demonstrated by the restored areas to the southeast of the active work areas near the underground mine audit.</td><td>Compliant Ongoing</td></tr>
<tr><td></td><td>Landscape Management Plan</td><td></td><td></td><td></td></tr>
<tr><td>57</td><td>The Proponent shall prepare and implement a Landscape Management Plan for the project to the satisfaction of the Director- General. This plan must:
(a) be prepared in consultation with DRE, DPI and Council;
(b) be submitted to the Director-General for approval prior within 12 months of the date of this approval;
(c) describe how the implementation of the Biodiversity Offset Strategy would be integrated with the overall rehabilitation of the site;</td><td>Landscape Management Plan dated January 2014.</td><td>A Landscape Management Plan dated January 2014 has been prepared for submission to the DP&I:
(a) Following discussions held with DP&I in July 2013 consultation with Lake Macquarie City Council, Department of Primary Industries Catchment and Lands Division and Hunter-Central Rivers Catchment Management Authority, Division of Resources and Energy, and the Office of Environment and Heritage has occurred for development of the Landscape Management Plan;</td><td>Compliant Ongoing</td></tr>
</table>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	(d) describe the short, medium and long term measures that would be implemented to: • 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; (e) include detailed performance and completion criteria for evaluating the performance of the Biodiversity Offset Strategy and the rehabilitation of the site, including triggering remedial action (if necessary); (f) include a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for: • ensuring compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval; • enhancing the quality of remnant vegetation and fauna habitat; • restoring native endemic vegetation and fauna habitat within the biodiversity offset areas and rehabilitation area; • 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 *Tetratheca juncea* population; • 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; g) include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria; h) 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 i) include details of who would be responsible for monitoring, reviewing, and implementing the plan.		(b) A Landscape Management Plan was submitted to the DP&I by 22 February 2014 and approved on 19 September 2014; (c) Landscape Management Plan Section 10 addresses how the implementation of the Biodiversity Offset Strategy will be integrated with the overall rehabilitation of the site; (d) Landscape Management Plan Section 12 describes the short, medium and long term measures for management of remnant vegetation and habitat on site, implementation of the Biodiversity Offset Strategy, and compliance with the rehabilitation objectives and progressive rehabilitation obligations; (e) Landscape Management Plan Section 16 addresses Rehabilitation Performance and Completion Criteria; (f) Landscape Management Plan Section 14 describes landscape management measures and procedures to be implemented over 2014 to 2017 to comply with the requirements of the Project Approval requirements; (g) Landscape Management Plan Section 15, and Monitoring and Evaluation and Section 17 address Evaluation of Compliance; (h) Landscape Management Plan Section 11 addresses Rehabilitation and Biodiversity Offset Strategy Risks; (i) Landscape Management Plan Section 6 includes details of personnel roles and responsibilities for monitoring, reviewing, and implementing the plan.	

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Conservation & Rehabilitation Bond			
58	Within 6 months of the approval of the Landscape Management Plan, the Proponent shall lodge a Conservation and Rehabilitation Bond with the Department to ensure that the Biodiversity Offset Strategy and the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the Landscape Management Plan. The sum of the bond shall be determined by:(a) calculating the cost of implementing the Biodiversity Offset Strategy over the next 3 years; (b) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and (c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Director-General. *Notes:* • *If capital and other expenditure required by the Landscape Management Plan is largely complete, the Director-General may waive the requirement for lodgement of a bond in respect of the remaining expenditure.* • *If the Biodiversity Offset Strategy and rehabilitation of the site area are completed to the satisfaction of the Director-General, then the Director-General will release the bond. If the Biodiversity Offset Strategy and rehabilitation of the site are not completed to the satisfaction of the Director-General, then the Director-General will call in all or part of the bond, and arrange for the completion of the relevant works.*		The Rehabilitation Bond was lodged in October 2016. Metromix has received an extension to lodge the Conservation Bond within 6 weeks of approval of the Biodiversity Offset strategy.	**In Progress**
59	Within 3 months of each Independent Environmental Audit (see condition 9 of schedule 5), the Proponent shall review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Director-General. This review must consider the: (a) effects of inflation; (b) likely cost of implementing the Biodiversity Offset Strategy and rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the project); and (c) performance of the implementation of the Biodiversity Offset Strategy and rehabilitation of the site to date.		Metromix is yet to receive formal acceptance of the Independent Audit Report from DPE. The relevant bonds will be reviewed at this time.	**In Progress**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	SCHEDULE 4 ADDITIONAL PROCEDURES			
	NOTIFICATION OF LANDOWNERS			
1	As soon as practicable after obtaining monitoring results showing an: (a) exceedance of any relevant criteria in schedule 3, the Proponent shall 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 (b) an exceedance of the relevant air quality criteria in schedule 3, the proponent shall 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.			**Not Activated**
	INDEPENDENT REVIEW			
2	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 Director-General in writing for an independent review of the impacts of the project on his/her land. If the Director-General is satisfied that an independent review is warranted, then within 2 months of the Director-General's decision the Proponent shall: (a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Director- General, to: • 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 (b) give the Director-General and landowner a copy of the independent review.			**Not Activated**
3	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 Director-General. If the independent review determines that the project is not complying with the relevant criteria in schedule 3, then the Proponent shall: (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 (b) secure a written agreement with the landowner to allow exceedances of the relevant criteria, to the satisfaction of the Director-General.			**Noted**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING			
	ENVIRONMENTAL MANAGEMENT			
	Environmental Management Strategy			
1	The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must: (a) be submitted to the Director-General for approval with 6 months of the date of this approval; (b) provide the strategic framework for environmental management of the project; (c) identify the statutory approvals that apply to the project; (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project; (e) describe the procedures that would be implemented to: • 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 (f) include: • copies of 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.	• Environmental Management Strategy, Aug 2013 (Approved by DPE on 16 January 2014)	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 Environmental Management Strategy on 16 January 2014: (a) the Environmental Management Strategy was submitted to DP&I on 22 August 2013; (b) EMS Section 2 addresses the Strategic Framework for environmental management; (c) EMS Section 3 identifies Legal and Other Requirements for the Teralba Quarry; (d) EMS Section 14 addresses Roles and Responsibilities of all key personnel involved in the environmental management of the Teralba Quarry; (e) the EMS describes procedures for: • 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 ; (f) Section 3.3 Environmental Management Plans, and Section 5 Monitoring.	**Compliant**
	Adaptive Management			
2	The Proponent shall 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 shall, at the earliest opportunity: (a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur; (b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and (c) implement remediation measures as directed by the Director- General, to the satisfaction of the Director-General.			**Noted**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Management Plan Requirements			
3	The Proponent shall ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include: (a) detailed baseline data; (b) a description of: • 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: • 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: • incidents; • complaints; • non-compliances with statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria; and (h) a protocol for periodic review of the plan. *Note: The Director-General may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.*	• Project Approval references: Schedule 3 condition 20 - Air Quality Management Plan • Schedule 3 condition 16 - Blast Management Plan • Schedule 3 condition 49 - Heritage Management Plan • Schedule 3 condition 57 – Landscape Management Plan (draft) • Schedule 3 condition 44 - Transport Management Plan • Schedule 3 condition 48 - Waste Management Plan • Schedule 3 condition 26 - Water Management Plan	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. The requirements are addressed under the following section headings in each Plan: (a) baseline data - Existing Environment and Potential Impacts and Environmental Assessment Appendices; (b) relevant statutory requirements - Legal and Other Requirements; relevant limits or performance measures/criteria and specific performance indicators – Existing Environment and Potential Impacts; (c) description of the management measures to be implemented – Control Measures; (d) program to monitor and report on impacts and environmental performance – Monitoring Program; and effectiveness of any management measures – Evaluation of Compliance ; (e) contingency plan to manage unpredicted impacts and their consequences – Corrective and Preventative Actions; (f) program to investigate and implement ways to improve the environmental performance (g) a protocol for managing and reporting any: • incidents – Incident Reporting; • complaints – Complaints Handling and Response; • non-compliances with statutory requirements – Evaluation of Compliance; • exceedances of the impact assessment criteria and/or performance criteria - Evaluation of Compliance and Corrective and Preventative Measures; (h) a protocol for periodic review of the plan – Plan Review.	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Annual Review			
4	By the end of March each year, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General. This review must: (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: • the relevant statutory requirements, limits or performance measures/criteria; • the monitoring results of previous years; and • the relevant predictions in the EA; (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.	2016 Annual Review	The fourth Annual Review for the Teralba Quarry Extensions was submitted to DPE on ????. All nominated contents are included in the document.	**Compliant**
	Revision of Strategies, Plans & Programs			
5	Within 3 months of the submission of an: (a) annual review under condition 4 above: (b) incident report under condition 7 below; (c) audit report under condition 9 below; and (d) any modifications to this approval, the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Director-General. *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.*		Metromix routinely reviews all management in May/June each year. All strategies, plans, and programs will be reviewed once DPE accepts the Teralba Quarry audit report.	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Community Consultative Committee			
6	The Proponent shall establish and operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Director-General. This CCC must be operated in general accordance with the Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects (Department of Planning, 2007, or its latest version), and be operating within four months of the date of this approval. *Notes:* • *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.*	• CCC Meeting Minutes 20 April 2016 • CCC Meeting Minutes 9 November 2016 (see **Appendix 4**)	The establishment of the Community Consultative Committee (CCC) occurred later than four months after the date of this approval. The non-compliance arose principally 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.	**Not Compliant (date for CCC establishment)** **Compliant (for operation of CCC)**
	REPORTING			
	Incident Reporting			
7	The Proponent shall notify, at the earliest opportunity, the Director-General and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the project, the Proponent shall notify the Director-General and any other relevant agencies as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent shall provide the Director-General and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.		No incidents that caused or threatened to cause material environmental harm occurred between January 2017 and December 2017. Two administrative non-compliance issues were notified too DPE on 22 December 2017. The EPA was also notified of one of these issues based on the advice of the DPE compliance team.	**Not Activated**
	Regular Reporting			
8	The Proponent shall 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**
	INDEPENDENT ENVIRONMENTAL AUDIT			
9	Within a year of the commencement of development on site under this approval, and every 3 years thereafter, unless the Director- General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must: (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General; (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);	Letter from DP&I re Approval of Independent Auditor, 14 Jan 2014 and 2016	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. 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	**Compliant**

Condition No.	Project Approval condition	Verification	Comments	Compliance
	(d) review the adequacy of any approved strategy, plan or program required under the 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. *Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.*			
10	Within 3 months of commissioning this audit, or as otherwise agreed by the Director-General, the Proponent shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.		The first Independent Environmental Audit was submitted to the DPE in March 2014 together with the required response. The second Independent Environmental Audit was submitted to the DPE in February 2017 together with the required response.	**Compliant**
	ACCESS TO INFORMATION			
11	Within 4 months of the date of this approval, the Proponent shall: (a) make the following information publicly available on its website: • 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 Director-General; and (b) keep this information up-to-date, to the satisfaction of the Director-General.	www.metromix.com.au/	The following information is publicly available on Metromix' website: • 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 • Noise Management Plan • Transport Management Plan • Waste Management Plan • Water Management Plan • Community Complaints • Non Compliances • Monitoring results	**Compliant Ongoing**

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	• Blast Monitoring Records 2014	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 D-G and EPA within a reasonable period of the request.	Details of the circumstances of these requests			**Noted**
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**

SoC No.	Action	Timing	Verification	Comment	Compliance
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**
6	**Groundwater**				
Continuous monitoring of groundwater throughout the life of the Project.					
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**				
Capture of sediment-laden water flows from project related disturbance					
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 two (2) bunded aboveground tanks.	**Compliant**
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.		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**
10	**Noise and Vibration**				
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents.					
10.4	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**
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents.					
10.6	Commission a noise monitoring program that comprises: – 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	• Noise Management Plan, Section 9, 16 Jan 2014	Noise monitoring is outlined in the Noise Management Plan: • 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**

SoC No.	Action	Timing	Verification	Comment	Compliance
10.9	Review blast designs and modify, if required.	When blasting within 500m of any residence.		No blasting has occurred throughout 2017 within 500m of any residence.	**Noted**
11	**Air Quality**				
Site activities are undertaken without exceeding DECCW air quality criteria or goals.					
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**
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		The planning for the development of 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).			**Not Yet Activated**
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**
13	**Heritage**				
Provide appropriate protection to existing					
13.5	Provide appropriate protection to any non-Aboriginal artefacts identified in operational areas.			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**

SoC No.	Action	Timing	Verification	Comment	Compliance
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 respreading depths for different post mining landform elements would be specified in the Landscape Management Plan.	During staged Rehabilitation stages.	• Landscape Management Plan (draft), Section 16, Feb 2014	The evaluation of rehabilitation described in the Landscape Management Plan, Section 17, requires topsoil to be spread to a minimum depth range of 0.1 m (steep slopes) to 0.2m (flatter areas).	**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**
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.					
16.13	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 Rhondda Road (approximately 2031) and south of Rhondda Road (approximately 2039).			**Not Yet Activated**