

Appendix 3

2014 Internal Compliance Review

(Total No. of pages including blank pages = 68)

This page has intentionally been left blank

Part 1 - Project Approval 10_0183

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: <ul style="list-style-type: none"> (a) EA; (b) statement of commitments; and (c) conditions of this approval. <i>Notes:</i> <ul style="list-style-type: none"> • <i>The general layout of the project is shown in Appendix 1 and Appendix 2.</i> • <i>The statement of commitments is reproduced in Appendix 3.</i> 	<ul style="list-style-type: none"> • 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. <i>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.</i>			Noted

Condition No.	Project Approval condition	Verification	Comments	Compliance										
	Extractive Material Limits													
6.	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. <i>Note: This condition does not apply to the construction of any bores approved by NOW or pollution and sediment control structures described in the EA.</i>		Quarrying operations have not occurred to below 20m AHD in the Southern Extraction or Southern Extension Area, or below 24 m AHD in the Mid Pit Extraction and Northern Extension Areas.	Compliant Ongoing										
7.	The Proponent shall not extract more than 1.2 million tonnes of extractive materials from the site in any calendar year.		Extraction of materials from the Teralba Quarry site was less than 1.2 million tonnes from January 2014 to December 2014.	Compliant										
	Extractive Material Transport													
8.	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.	<ul style="list-style-type: none"> Teralba Truck Movements, January 2014 to December 2014 	Transport of extracted materials from the Teralba Quarry between January 2014 and December 2014 indicated: (a) less than 1 million tonnes of extracted material was transported from the site between January 2014 and December 2014 (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 but did exceed 8 per hour on five occasions; (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.	Compliant Non-compliant Compliant										
9.	The Proponent shall limit the total hourly truck dispatch rates from the site to the levels shown in Table 1. <i>Table 1 – Truck Dispatch Hours</i> <table border="1" data-bbox="309 1173 1008 1327"> <thead> <tr> <th>Dispatch Period</th> <th>Max Hourly Dispatch</th> </tr> </thead> <tbody> <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> </tbody> </table> Note: Dispatch times and maximum hourly rates westwards along Rhondda Road or eastwards through Teralba are further limited by condition 8 above.	Dispatch Period	Max Hourly Dispatch	6:00am – 7:00am	Up to 28 loaded trucks	7:00am – 6:00pm	Up to 20 loaded trucks	6:00pm – 5:00am	Up to 6 loaded trucks	5:00am – 6:00am	Up to 12 loaded trucks		The number of laden trucks dispatched from the Teralba Quarry between January 2014 and December 2014, comply with the limits of hourly truck dispatch rates.	Compliant
Dispatch Period	Max Hourly Dispatch													
6:00am – 7:00am	Up to 28 loaded trucks													
7:00am – 6:00pm	Up to 20 loaded trucks													
6:00pm – 5:00am	Up to 6 loaded trucks													
5:00am – 6:00am	Up to 12 loaded trucks													

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.		No concrete for recycling has been received on the site since July 2013.	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 2014 to December 2014.	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. <i>Note: The conditions or other requirements of this project approval do not prevent the continued carrying out of development which may be undertaken pursuant to DA 130/42, prior to the surrender of that consent.</i>	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 2014 and December 2014.	NA
	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 2014 and December 2014.	NA
	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 January 2014 and December 2014.	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. The Council lawyers has not yet completed the draft agreement for signing by the two parties at the date of this review.	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.		Metromix has consulted with the Council in relation to the agreement for the payment of the 0.66c per tonne per kilometre (/t/km) for every tonne of quarry products transported from the site on roads for which Council is liable for road maintenance funding. Metromix agreed to pay the Council the \$0.066/t/km. The Council lawyers had not completed drafting the agreement for signing by the two parties at the date of this review.	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. <i>Notes:</i> <ul style="list-style-type: none"> While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times; and If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program. 	<ul style="list-style-type: none"> 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, Aug 2013 Landscape Management Plan Heritage Management Plan 	Only one document, the Water Management Plan, has not yet been finalised for DPE approval. Its finalisation is contingent upon input/feedback from the EPA.	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 schedule 5).		Annual production data for July 2013 to June 2014 was reported to the DRE and the data will be included in the Annual Review.	Compliant Ongoing

Condition No.	Project Approval condition	Verification	Comments	Compliance
	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.	<ul style="list-style-type: none"> Boundary Survey Plan, Southern Extension, Moutrie Survey, Jun 2013 Compendium of Documents for DP&I, Sep 2013 	The boundaries of the approved limits of extraction for the Teralba Quarry lease activities have been marked out by a registered surveyor and the boundaries marked with coloured poles for the various activity areas.	Compliant
2.	While ever quarrying operations are being carried out, the Proponent 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.		<p>The boundaries of the approved limits of the Teralba Quarry lease activities have been marked with coloured poles for the various areas:</p> <ul style="list-style-type: none"> White poles - Stage 1A, Yellow poles – quarry extraction limits Blue poles - Pugmill Area Green poles – Downer EDI <p>Signage is to be placed on the posts to specifically identify each of the active areas of works within the Teralba Quarry lease boundaries.</p>	Compliant Ongoing
	EXTRACTION MANAGEMENT			
	Operating Conditions			
3.	The Proponent must ensure that: (a) the underlying historical coal workings within the Great Northern coal seam pose not greater than a negligible risk to the safety of quarry workers, including risks from sudden unplanned collapses, release of noxious gases or explosion of flammable gases; and (b) quarrying operations pose not greater than a negligible risk to the heating or combustion of the underlying historical coal workings within the Great Northern coal seam.	<ul style="list-style-type: none"> Teralba Quarry Extension Geotechnical Assessment, Mar 2006 Preliminary comments on Quarry Operations – Interactions with On-site Coal Resource, 28 Nov 2012 Lower Level Extraction Plan, January 2013 	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;	<ul style="list-style-type: none"> Lower Level Extraction Plan, January 2013 Teralba Quarry Extension Geotechnical Assessment, Mar 2006 	<p>(a) A draft Lower Level Extraction Plan has been prepared (dated January 2013).</p> <p>(b) Mining Operation Services (MOS) was and G E Holt & Associates (GHA) on the Teralba Quarry, particularly with regard to drill, blast and extraction processes above under-ground workings, and management of spontaneous combustion and gas hazards.</p> <p>(c) To be developed</p>	

Condition No.	Project Approval condition	Verification	Comments	Compliance																														
	<p>(c) provide for the achievement of the measures set out in condition 3 above;</p> <p>(d) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> • best management practice quarrying operations are being employed on site; • individual responsibilities of workers, contractors and management are detailed and understood; and • compliance with the relevant conditions of this approval; <p>(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:</p> <ul style="list-style-type: none"> • includes a detailed assessment, of the risks of spontaneous combustion and subsurface heating for each of the existing and proposed Extraction Areas; • clearly identifies responsibilities to address management of spontaneous combustion and subsurface heating risks, for both day to day operations and long term management; and • includes appropriate short and long term contingency plans. 	<ul style="list-style-type: none"> • Preliminary comments on Quarry Operations – Interactions with On-site Coal Resource, 28 Nov 2012 	<p>(d) To be developed</p> <p>(e) Section 7 – Spontaneous Combustion:</p> <ul style="list-style-type: none"> • Section 6 – Noxious Gases and Spontaneous Combustion details the assessment, of the risks of spontaneous combustion and subsurface heating for each of the existing and proposed Extraction Areas; • Section 5 – Practical Application of Stand-off Distance the following areas were defined: <table border="1"> <thead> <tr> <th>Area</th> <th>Stand-off Distance</th> </tr> </thead> <tbody> <tr> <td>No underground workings</td> <td>Negligible risk, no stand-off distance</td> </tr> <tr> <td>First workings only</td> <td>12 metres</td> </tr> <tr> <td>Pillar extraction only</td> <td>12 metres</td> </tr> <tr> <td>Floor stripping and some associated pillar extraction with a higher risk from workings up to 6m high</td> <td>17.5 metres</td> </tr> </tbody> </table>	Area	Stand-off Distance	No underground workings	Negligible risk, no stand-off distance	First workings only	12 metres	Pillar extraction only	12 metres	Floor stripping and some associated pillar extraction with a higher risk from workings up to 6m high	17.5 metres	Compliant																				
Area	Stand-off Distance																																	
No underground workings	Negligible risk, no stand-off distance																																	
First workings only	12 metres																																	
Pillar extraction only	12 metres																																	
Floor stripping and some associated pillar extraction with a higher risk from workings up to 6m high	17.5 metres																																	
NOISE																																		
5.	<p>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.</p> <p><i>Table 2: Noise criteria dB(A)</i></p> <table border="1"> <thead> <tr> <th>Location</th> <th>Day 6-7am</th> <th>Day 7am-6pm</th> <th>Evening 6-10pm</th> <th>Night 10pm-6am</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>38</td> <td>38</td> <td>37</td> <td>35</td> </tr> <tr> <td>B</td> <td>42</td> <td>46</td> <td>36</td> <td>35</td> </tr> <tr> <td>C</td> <td>42</td> <td>42</td> <td>35</td> <td>35</td> </tr> <tr> <td>D, E, G, H, I</td> <td>35</td> <td>35</td> <td>35</td> <td>35</td> </tr> <tr> <td>F</td> <td>37</td> <td>38</td> <td>38</td> <td>35</td> </tr> </tbody> </table> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • Receiver locations are shown in Figure 2 Appendix 1. • Noise generated by the project is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy. <p>However, these criteria do not apply if the Proponent has a written agreement with the relevant landowner to exceed the criteria, and the Proponent has advised the Department in writing of the terms of this agreement.</p>	Location	Day 6-7am	Day 7am-6pm	Evening 6-10pm	Night 10pm-6am	A	38	38	37	35	B	42	46	36	35	C	42	42	35	35	D, E, G, H, I	35	35	35	35	F	37	38	38	35	EPL condition L5.1	<p>Noise monitoring was conducted for the Teralba Quarry in September 2014.</p> <p>No noise complaints have been received by Metromix in relation to the Teralba Quarry activities.</p> <p>Landowners at 8 Rhondda Rd (Location C) and 63 Victoria St (Location F) Teralba agreed not to continue monitoring at their address, however, reserve the right to request the re-instatement of noise monitoring if required.</p>	Compliant
Location	Day 6-7am	Day 7am-6pm	Evening 6-10pm	Night 10pm-6am																														
A	38	38	37	35																														
B	42	46	36	35																														
C	42	42	35	35																														
D, E, G, H, I	35	35	35	35																														
F	37	38	38	35																														

Condition No.	Project Approval condition	Verification	Comments	Compliance																
	Hours of Operation																			
6.	<p>The Proponent shall comply with the operating hours set out in <i>Table 3: Operating Hours</i></p> <table border="1"> <thead> <tr> <th>Day</th> <th>Receipt of Concrete or VENM</th> <th>Loading/Dispatch of trucks</th> <th>Extraction & Processing Operations</th> </tr> </thead> <tbody> <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> </tbody> </table> <p><i>Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.</i></p>	Day	Receipt of Concrete or VENM	Loading/Dispatch of trucks	Extraction & Processing Operations	Mon-Fri	7am – 5pm	4am Monday to Midnight Friday	7am – 7pm	Saturday	7am – 2pm	Midnight Friday to 6pm Saturday	7am – 2pm	Sundays and Public Holidays	None	None	None		Hours of operation of the Teralba Quarry activities are in accordance with the limits in Project Approval Schedule 3 condition 6.	Compliant
Day	Receipt of Concrete or VENM	Loading/Dispatch of trucks	Extraction & Processing Operations																	
Mon-Fri	7am – 5pm	4am Monday to Midnight Friday	7am – 7pm																	
Saturday	7am – 2pm	Midnight Friday to 6pm Saturday	7am – 2pm																	
Sundays and Public Holidays	None	None	None																	
	Operating Conditions																			
7.	<p>The Proponent shall:</p> <p>(a) implement best practice noise management to minimise the construction, operational and traffic noise of the project;</p> <p>(b) minimise the noise impacts of the project during meteorological conditions when the noise limits in this approval do not apply;</p> <p>(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;</p> <p>(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.</p>	<ul style="list-style-type: none"> Noise Management Plan Nov 2013 	<p>The Noise Management Plan Section 8 outlines control measures to be implemented and describes the noise management practices to be implemented on the site:</p> <p>(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);</p> <p>(b) Section 8.5 addresses operational noise management under adverse weather conditions;</p> <p>(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.</p> <p>(d) Section 9 outlines Evaluation of Compliance</p>	Compliant																
	Noise Management Plan																			
	<p>The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Director-General. This plan must:</p> <p>(a) be submitted for approval to the Director-General within 4 months of the date of this approval;</p> <p>(b) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> best management practice is being employed on site; the noise impacts of the project are minimised during any meteorological conditions when the noise limits in this approval do not apply; and 	<ul style="list-style-type: none"> Noise Management Plan, 31 Jul 2013 Letter from 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 	<p>A Noise Management Plan was prepared and submitted to DP&I on 31 July 2013.</p> <p>(a) The Noise Management Plan was submitted to DP&I on 31 July 2013 and the revised Plan approved on 16 January 2014;</p> <p>(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.</p> <p>(c) Noise Management Plan describes the overall</p>																	

Condition No.	Project Approval condition	Verification	Comments	Compliance												
	<ul style="list-style-type: none"> compliance with the relevant conditions of this approval; (c) describe the proposed noise management system in detail; and (d) include a monitoring program that: <ul style="list-style-type: none"> is capable of regularly evaluating the performance of the project, including noisy individual items of plant, such as haulage trucks and the bulldozer; includes a protocol for determining any exceedances of the relevant conditions in this approval at locations listed in Table 2; and evaluates and reports on the effectiveness of the noise management system on site. 	Management Plan, 16 Jan 2014	noise management system (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.	Compliant												
	BLASTING															
	Blasting Criteria															
9.	The Proponent shall ensure that the blasting on the site does not cause exceedances of the criteria in Table 4. <i>Table 4: Blasting criteria</i> <table border="1" data-bbox="309 703 1010 874"> <thead> <tr> <th>Location</th> <th>Airblast Overpressure (dB(Lin Peak))</th> <th>Ground Vibration (mm/s)</th> <th>Allowable Exceedance</th> </tr> </thead> <tbody> <tr> <td></td> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td></td> <td>115</td> <td>5</td> <td>5% of the total number of blasts over a 12 mth period</td> </tr> </tbody> </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.	Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	Allowable Exceedance		120	10	0%		115	5	5% of the total number of blasts over a 12 mth period		The 35 blasts were conducted between January 2014 and December 2014 all of which were monitored. There was one recorded overpressure results greater than 115dB(L) and no vibration measurements recorded greater than 5mm/s. Blast No 25 on 5 August recorded an overpressure of 119 dB(L). All blast monitoring results were less than the specified criteria. No agreements have been made with any relevant landowners in relation to blasting.	Compliant
Location	Airblast Overpressure (dB(Lin Peak))	Ground Vibration (mm/s)	Allowable Exceedance													
	120	10	0%													
	115	5	5% of the total number of blasts over a 12 mth period													
	Blasting Hours															
10.	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.	<ul style="list-style-type: none"> Blast Monitoring Results Teralba Quarry, 2013 	All blasts conducted at the Teralba Quarry have occurred between 10:00am and 4:00pm.	Compliant												
	Blasting Frequency															
11.	The Proponent shall not carry out more than 1 blast a day on site, unless an additional blast is required following a blast misfire. <i>Note: A blast may involve a number of explosions within a short period, typically less than two minutes.</i>	<ul style="list-style-type: none"> Blast Monitoring Results Teralba Quarry, 2014 		Compliant												

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Property Inspections			
12.	<p>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:</p> <p>(a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to:</p> <ul style="list-style-type: none"> establish the baseline condition of any buildings and/or structures on the land, or update the previous property inspection report; and identify any measures that should be implemented to minimise the potential blasting impacts of the project on these buildings and/or structures; and <p>(b) give the landowner a copy of the new or updated property inspection report.</p>		No blasting has occurred within 500m of any buildings and/or structures on privately owned land.	Not activated
	Property Investigations			
	<p>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:</p> <p>(a) commission a suitably qualified, experienced and independent person, whose appointment is acceptable to both parties, to investigate the claim; and</p> <p>(b) give the landowner a copy of the property investigation report.</p> <p>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.</p> <p>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.</p>			Not activated
	Operating Conditions			
14.	<p>During blasting operations, the Proponent shall:</p> <p>(a) implement best management practice to:</p> <ul style="list-style-type: none"> protect the safety of people and livestock in the surrounding area; protect public or private infrastructure/property in the surrounding area from any damage; and minimise the dust and fume emissions of any blasting; and <p>(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.</p>	<ul style="list-style-type: none"> Blast Management Plan, Sep 2013 	<p>The Blast Management Plan provides</p> <p>(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;</p> <p>(b) Section 14 addresses Publication of Blast Information on the Metromix website and monitoring results will also be presented at CCC Meetings.</p>	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
15.	<p>The Proponent shall not undertake blasting within 500 metres of:</p> <p>(a) any public road without the approval of Council; or</p> <p>(b) any land outside the site not owned by the Proponent, unless:</p> <ul style="list-style-type: none"> • the Proponent has a written agreement with the relevant landowner to allow blasting to be carried out closer to the land, and the Proponent has advised the Department in writing of the terms of this agreement, or • the Proponent has: <ul style="list-style-type: none"> ○ demonstrated to the satisfaction of the 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. 		<p>Blasting had not occurred between January 2014 and December 2014:</p> <p>(a) within 500m of a public Road; or</p> <p>(b) within 500m of any residences or any land or buildings / structures outside the Teralba Quarry site operations owned by the Metromix.</p>	Compliant
	Blast Management Plan			
16.	<p>The Proponent shall prepare and implement a Blast Management Plan for the project to the satisfaction of the Director-General. This plan must:</p> <p>(a) be submitted to the Director-General for approval within 4 months from the date of project approval;</p> <p>(b) be prepared in consultation with the Council and interested members of the local community potentially affected by blasting operations;</p> <p>(c) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> • best management practice is being employed; and • compliance with the relevant conditions of this approval; <p>(d) include a road closure management plan for blasting within 500 metres of a public road, that has been prepared in consultation with Council;</p> <p>(e) include a specific blast fume management protocol to demonstrate how emissions will be minimised including risk management strategies if blast fumes are generated; and</p> <p>(f) include a monitoring program for evaluating the performance of the project including:</p> <ul style="list-style-type: none"> • compliance with the applicable criteria; and • minimising fume emissions from the site. 	<ul style="list-style-type: none"> • Letter to DP&I re Submission of Blast Management Plan, 6 Sep 2013 • Blast Management Plan, Sep 2013 • Letter from DP&I re Approval of Blast Management Plan, 10 Oct 2013 	<p>A Blast Management Plan was prepared to satisfy Project Approval Schedule 3 condition 16 and submitted to DP&I on 6 September 2013. DP&I approved the Blast Management Plan on 10 October 2013:</p> <p>(a) Blast Management Plan submitted to DP&I on 6 September 2013;</p> <p>(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);</p> <p>(c) Blast Management Plan Section 8 presented Control Measures;</p> <p>(d) Blast Management Plan Section 7.2.4 states <i>“there will no need to close Rhondda Road for short periods during a blast as the closest blasting location is 11prox.. 400m north of the closest blasting within the Southern Extension.”</i></p> <p>(e) Blast Management Plan Section 7.2.5 addresses blast fume potential and management;</p> <p>(f) Blast Management Plan Section 9 provides blast and fume monitoring and Section 10 addresses Evaluation of Compliance.</p>	Compliant

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

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

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

Condition No.	Project Approval condition	Verification	Comments	Compliance
	SOIL & WATER			
	<i>Note: The Proponent is required to obtain the necessary water licences for the project under the Water Act 1912 and/or the Water Management Act 2000</i>			Noted
	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.	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> the requirements of relevant Australian Standards; and DECC's Storing and Handling Liquids: Environmental Protection – Participants Manual. 		<p>Petroleum products on site (diesel and oils) are held in appropriately bunded areas with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund (in accordance with AS1940-2004 and the DECC <i>Storing and Handling Liquids: Environmental Protection Manual</i>).</p> <p>Waste oil is placed in the bunded waste oil tank and the waste oil collected for recycling by Trans-Pacific.</p>	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 condition 3 of schedule 5), this plan must include:	<ul style="list-style-type: none"> Emails to DP&I re Water Management Plan, 22 Aug 2013 Water Management Plan, Aug 2013 Letter from DP&I re Water Management Plan, 16 Jan 2014 	<p>The Water Management Plan was prepared in consultation with the Lake Macquarie City Council and the NSW Office of Water (NOW), and submitted to DP&I on 22 August 2013.</p> <p>Comments on the Water Management Plan were received from DP&I on 16 January 2014. The Water Management Plan was being revised to address the DP&I comments but has not been resubmitted to DP&I for approval as the EPA has not yet provided its input/feedback.</p>	In progress

Condition No.	Project Approval condition	Verification	Comments	Compliance
26	<p>(a) Site Water Balance that:</p> <ul style="list-style-type: none"> • includes details of: <ul style="list-style-type: none"> ○ sources and security of water supply, including contingency planning; ○ water use on site; ○ water management on site; ○ reporting procedures, including comparisons of the site water balance each calendar year; and • describes the measures that would be implemented to minimise clean water use on site; 	<ul style="list-style-type: none"> • Water Management Plan, 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, 	<p>(a) The site water balance was prepared as part of the Environmental Assessment for the project:</p> <ul style="list-style-type: none"> ○ Water Management Plan Section 7.3.1 addresses Water Supply - potable water is sourced directly from the local water mains. Non-potable water is extracted under 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. 	<p>Compliant</p> <p>(Approval as part of the Water Management Plan is in Progress)</p>
26	<p>(b) Surface Water Management Plan, that includes:</p> <ul style="list-style-type: none"> • detailed baseline data on surface water flows and quality in the watercourses that could be affected by the project; • a detailed description of the surface water management system on site, including the: <ul style="list-style-type: none"> ○ clean water diversion systems; ○ erosion and sediment controls; and ○ water storages; • design objectives and performance criteria for proposed: <ul style="list-style-type: none"> ○ erosion and sediment control structures; ○ water storages; and ○ control of water pollution from rehabilitated areas of the site; • performance criteria, including trigger levels for investigating any potentially adverse impacts, for surface water quality of local watercourses and Lake Macquarie; • a program to monitor: <ul style="list-style-type: none"> ○ the effectiveness of the water management system; ○ surface water flows and quality in local watercourses and Lake Macquarie; and ○ ecosystem health of local watercourses and Lake Macquarie; • a plan to respond to any exceedances of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the project; and • a detailed review the dirty water management system to: <ul style="list-style-type: none"> ○ determine whether the capacity, integrity, retention time and management of the system are sufficient to ensure that water discharged from the site meets the performance criteria and propose any 	<p>Water Management Plan, Section 7.3, Aug 2013</p>	<p>(b) Surface Water Management has been prepared as part of the Water Management Plan Section 7:</p> <ul style="list-style-type: none"> • 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 	<p>Compliant</p> <p>(Approval as part of the Water Management Plan is in Progress)</p>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	upgrades necessary to meet these criteria; <ul style="list-style-type: none"> ○ 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: <ul style="list-style-type: none"> • detailed baseline data on groundwater yield and quality in the area, that could be affected by the project; • groundwater assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts; • a program to monitor: <ul style="list-style-type: none"> ○ surface water inflows into the groundwater system beneath the site; ○ the impacts of the project on: <ul style="list-style-type: none"> - the local coal seam aquifer; - any groundwater bores on privately-owned land that could be affected by the project; and - groundwater dependent ecosystems; and • seepage/leachate from water storages or backfilled voids (including historical coal workings) on site; and 	Water Management Plan, Section 7.2, Aug 2013	(c) Groundwater Management has been prepared in Water Management Plan Section 7.2: <ul style="list-style-type: none"> • Sections 7.2.1 to 7.2.3 outline baseline groundwater yield and quality in the area of the Teralba Quarry; • Section 9.3 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 (Approval as part of the Water Management Plan is in Progress)
	<ul style="list-style-type: none"> • a plan to respond to any exceedances of the groundwater assessment criteria; <p><i>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.</i></p>			
	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: <p>(a) eastern facing quarry benches of the Southern Extension are vegetated with native endemic understory species and trees as soon as practicable following the completion of extraction of those benches; and</p> <p>(b) revegetation of the quarry benches is managed to ensure that a tree canopy is regenerated, as soon as practicable, to be consistent with and visually integrated into the surrounding tree canopy, to the satisfaction of the Director-General.</p>		(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 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. <i>Note: This condition does not require approval for any business identification, traffic management, and/or safety or environmental signs.</i>		Signs erected at the entrance to the Teralba Quarry site are only related to the company identification, safety and environment, and traffic signs.	Compliant
	TRANSPORT			
	Intersection Investigation and Wheel Wash			
31	Within 6 months of the date of this approval the Proponent 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.	<ul style="list-style-type: none"> Project Approval 10_0183, granted 22 Feb 2013 Guide to Road Safety Part 6: Road Safety Audit, Austroads, 2009 Guidelines for Road Safety Audit Practices, RMS, 2011 Letter to DP&I re Road Safety Audit Report, 14 Aug 2013 	(a) GTA Consultants (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. Minor issues remain with the top wheel wash which will be remedied during 2015.	Compliant
	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 2012-2024.	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 2013.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
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 (ie 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.	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> the amount of quarry products transported from the site (monthly and annually); and all laden truck movements from the site (hourly, daily, weekly, monthly and annually); and (b) publish these records on its website on a quarterly basis.	<ul style="list-style-type: none"> Traffic Management Plan, 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.	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.	<ul style="list-style-type: none"> 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

Condition No.	Project Approval condition	Verification	Comments	Compliance
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
	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;	• 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	Compliant
	(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.		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.	
	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 <i>Protection of the Environment Operations Act 1997</i> 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, handled, and disposed of, to the satisfaction of the Director-General.	• 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 Waste contractors, and Sell and Parker Metal Recycling Services.	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance
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.	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> monitoring all new surface disturbance on site for unidentified Aboriginal objects; managing the discovery of any human remains or previously unidentified Aboriginal objects on site; and ensuring ongoing consultation with Aboriginal stakeholders in the conservation and management of any Aboriginal cultural heritage values on site. 	<ul style="list-style-type: none"> Heritage Management Plan, Aug 2013 Letter from DP&I re Comments on the Aboriginal Heritage Management Plan, 16 January 2014 	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.	<ul style="list-style-type: none"> Environmental Assessment Specialist Consultant Studies Compendium Volume 1 Part 5 	<u>Refer to SoC Terrestrial Flora and Fauna 8.7</u> Prior to commencement of quarrying activities in the Northern Extension where hollow bearing trees have been identified, nesting boxes were installed in late 2014 for fauna species potentially displaced following clearing activities (namely 20 boxes for microbats, 20 boxes for Little Lorikeets and 30 boxes for Sugar Gliders).	Compliant

Condition No.	Project Approval condition	Verification	Comments	Compliance									
51	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.		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..	Compliant Ongoing									
Biodiversity Offset Strategy													
52	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. <i>Table8: Biodiversity Offset Strategy</i>	<ul style="list-style-type: none"> Environmental Assessment, Section 2.17 Project Approval Appendix 5 	The development and implementation of the Biodiversity Offset Strategy will be provided separately in the <i>BioBanking Management Plan</i> for the Teralba Quarry to be prepared after approval by the DPE.	Not yet activated									
	<table border="1"> <thead> <tr> <th>Area</th> <th>Offset Type</th> <th>Minimum Size (ha)</th> </tr> </thead> <tbody> <tr> <td>Offset Area</td> <td>Existing Vegetation to be enhanced</td> <td>142.6ha</td> </tr> <tr> <td>Total</td> <td></td> <td>142.6ha</td> </tr> </tbody> </table>	Area	Offset Type	Minimum Size (ha)	Offset Area	Existing Vegetation to be enhanced	142.6ha	Total		142.6ha			
Area	Offset Type	Minimum Size (ha)											
Offset Area	Existing Vegetation to be enhanced	142.6ha											
Total		142.6ha											
Long Term Security of Offsets													
53	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.		Metromix and its representatives have held numerous discussions with DPI and OEH representatives regarding the required documentation. Whilst progress is evident, a timetable for its conclusion is not evident.	In progress									
Relocated Power-lines													
54	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.		Relocation of power lines is planned to occur in 2015-2016 as the development of the Southern section progresses.	Noted									

Condition No.	Project Approval condition	Verification	Comments	Compliance												
	Rehabilitation Objectives															
55	<p>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.</p> <table border="1"> <thead> <tr> <th>Feature</th> <th>Objective</th> </tr> </thead> <tbody> <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: <ul style="list-style-type: none"> • native endemic species: and • a landform consistent with Figure 8 (Appendix 6) and the surrounding environment. </td> </tr> </tbody> </table>	Feature	Objective	Site (as a whole)	Safe, stable & non-polluting	Surface Infrastructure	To be decommissioned and removed unless the D-G agrees otherwise.	Benched Quarry Walls	Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts.	Quarry Pit Floor and Silt Ponds	Landscaped and revegetated utilising native flora species and felled trees from clearing.	Other Land Affected by the Project	Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of: <ul style="list-style-type: none"> • native endemic species: and • a landform consistent with Figure 8 (Appendix 6) and the surrounding environment. 	Environmental Assessment Project Approval - Appendix 6	Works currently in progress are consistent with those required to achieve the required final landform.	Noted
Feature	Objective															
Site (as a whole)	Safe, stable & non-polluting															
Surface Infrastructure	To be decommissioned and removed unless the D-G agrees otherwise.															
Benched Quarry Walls	Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts.															
Quarry Pit Floor and Silt Ponds	Landscaped and revegetated utilising native flora species and felled trees from clearing.															
Other Land Affected by the Project	Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of: <ul style="list-style-type: none"> • native endemic species: and • a landform consistent with Figure 8 (Appendix 6) and the surrounding environment. 															
	Progressive Rehabilitation															
56	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.		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.	Compliant Ongoing												
	Landscape Management Plan															
57	<p>The Proponent shall prepare and implement a Landscape Management Plan for the project to the satisfaction of the Director-General. This plan must:</p> <p>(a) be prepared in consultation with DRE, DPI and Council;</p> <p>(b) be submitted to the Director-General for approval prior within 12 months of the date of this approval;</p> <p>(c) describe how the implementation of the Biodiversity Offset Strategy would be integrated with the overall rehabilitation of the site;</p>	Landscape Management Plan dated January 2014 and approved by DPE on 10 October 2013.	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;	Compliant Ongoing												

Condition No.	Project Approval condition	Verification	Comments	Compliance
	<p>(d) describe the short, medium and long term measures that would be implemented to:</p> <ul style="list-style-type: none"> • manage remnant vegetation and habitat on site; • implement the Biodiversity Offset Strategy; and • ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval; <p>(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);</p> <p>(f) include a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for:</p> <ul style="list-style-type: none"> • ensuring compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval; • enhancing the quality of remnant vegetation and fauna habitat; • 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 <ul style="list-style-type: none"> • area; • collecting and propagating seed; • ensuring minimal environmental consequences for the local <i>Tetratheca juncea</i> 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; <p>g) include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;</p> <p>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</p> <p>i) include details of who would be responsible for monitoring, reviewing, and implementing the plan.</p>		<p>(b) A Landscape Management Plan has been prepared for submission to the DP&I by 22 February 2014;</p> <p>(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;</p> <p>(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;</p> <p>(e) Landscape Management Plan Section 16 addresses Rehabilitation Performance and Completion Criteria;</p> <p>(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;</p> <p>(g) Landscape Management Plan Section 15, and Monitoring and Evaluation and Section 17 address Evaluation of Compliance;</p> <p>(h) Landscape Management Plan Section 11 addresses Rehabilitation and Biodiversity Offset Strategy Risks;</p> <p>(i) Landscape Management Plan Section 6 includes details of personnel roles and responsibilities for monitoring, reviewing, and implementing the plan.</p>	

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Conservation & Rehabilitation Bond			
58	<p>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;</p> <p>(b) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and</p> <p>(c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Director-General.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> <i>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.</i> <i>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.</i> 		The bond has not yet been lodged as its lodgement is dependent upon the finalisation of the documentation for the Biodiversity Offset Strategy. (See comment for Condition 53)	Not yet activated
59	<p>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:</p> <p>(a) effects of inflation;</p> <p>(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</p> <p>(c) performance of the implementation of the Biodiversity Offset Strategy and rehabilitation of the site to date.</p>			Noted

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: <ul style="list-style-type: none"> • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the project is complying with the relevant criteria in schedule 3; and • if the project is not complying with these criteria, then identify the measures that could be implemented to ensure compliance with the relevant criteria; and (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	<p>The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must:</p> <p>(a) be submitted to the Director-General for approval with 6 months of the date of this approval;</p> <p>(b) provide the strategic framework for environmental management of the project;</p> <p>(c) identify the statutory approvals that apply to the project;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the project; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; and • respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Environmental Management Strategy, Aug 2013 (Approved by DPE on 16 January 2014) 	<p>An Environmental Management Strategy was prepared to satisfy Project Approval Schedule 5 condition 1 and submitted to DP&I on 22 August 2013. DP&I approved the Environmental Management Strategy on 16 January 2014:</p> <p>(a) the Environmental Management Strategy was submitted to DP&I on 22 August 2013;</p> <p>(b) EMS Section 2 addresses the Strategic Framework for environmental management;</p> <p>(c) EMS Section 3 identifies Legal and Other Requirements for the Teralba Quarry;</p> <p>(d) EMS Section 14 addresses Roles and Responsibilities of all key personnel involved in the environmental management of the Teralba Quarry;</p> <p>(e) the EMS describes procedures for:</p> <ul style="list-style-type: none"> • Section 11 Stakeholder and Community Consultation and Section 13 Publication of Information; • Section 9 Complaints Handling and Dispute Resolution; • Section 7 Corrective and Preventative Actions; • Section 10 Emergency Response and ; <p>(f) Section 3.3 Environmental Management Plans, and Section 5 Monitoring.</p>	Compliant
	Adaptive Management			
2	<p>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.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Proponent shall, at the earliest opportunity:</p> <p>(a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur;</p> <p>(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</p> <p>(c) implement remediation measures as directed by the Director- General, to the satisfaction of the Director-General.</p>			Noted

Condition No.	Project Approval condition	Verification	Comments	Compliance
3	<p>Management Plan Requirements</p> <p>The Proponent shall ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> • the relevant statutory requirements (including any relevant approval, licence or lease conditions); • any relevant limits or performance measures/criteria; and • the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> • impacts and environmental performance of the project; and • effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p> <p><i>Note: The Director-General may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>	<ul style="list-style-type: none"> • 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 	<p>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:</p> <p>(a) baseline data - Existing Environment and Potential Impacts and Environmental Assessment Appendices;</p> <p>(b) relevant statutory requirements - Legal and Other Requirements; relevant limits or performance measures/criteria and specific performance indicators – Existing Environment and Potential Impacts;</p> <p>(c) description of the management measures to be implemented – Control Measures;</p> <p>(d) program to monitor and report on impacts and environmental performance – Monitoring Program; and effectiveness of any management measures – Evaluation of Compliance ;</p> <p>(e) contingency plan to manage unpredicted impacts and their consequences – Corrective and Preventative Actions;</p> <p>(f) program to investigate and implement ways to improve the environmental performance</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • 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; <p>(h) a protocol for periodic review of the plan – Plan Review.</p>	<p>Compliant</p>

Condition No.	Project Approval condition	Verification	Comments	Compliance
4	<p>Annual Review</p> <p>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:</p> <p>(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:</p> <ul style="list-style-type: none"> • the relevant statutory requirements, limits or performance measures/criteria; • the monitoring results of previous years; and • the relevant predictions in the EA; <p>(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;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the project.</p>		<p>The second Annual Review for the Teralba Quarry Extensions is to be submitted to DPE by 31 March 2015.</p> <p>All nominated contents are included in the document.</p>	<p>Compliant</p>
5	<p>Revision of Strategies, Plans & Programs</p> <p>Within 3 months of the submission of an:</p> <p>(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.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i></p>			<p>Noted</p>

Condition No.	Project Approval condition	Verification	Comments	Compliance
	Community Consultative Committee			
6	<p>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:</p> <ul style="list-style-type: none"> The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval. In accordance with the guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, Council, recognised environmental groups and the local community. 	<ul style="list-style-type: none"> CCC Meeting Minutes 2 Sep 2013 CCC Meeting Minutes 27 Nov 2013 CCC Meeting Minutes 30 April 2014 CCC Meeting Minutes 17 September 2014 	<p>The establishment of the Community Consultative Committee (CCC) occurred later than four months after the date of this approval.</p> <p>The non-compliance arose principally Metromix experienced difficulties in attracting community representation onto the committee as evidenced from the consultation records. The first meeting of the CCC was held on 2 September 2013.</p>	<p>Not Compliant (date for CCC establishment)</p> <p>Compliant (for operation of CCC)</p>
	REPORTING			
	Incident Reporting			
7	<p>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.</p> <p>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.</p>		<p>No reportable incidents were identified between January 2014 and December 2014.</p>	<p>Not activated</p>
	Regular Reporting			
8	<p>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.</p>	<p>www.metromix.com.au/</p>	<p>Refer to Project Approval Schedule 5 condition 11.</p>	<p>Compliant</p>
	INDEPENDENT ENVIRONMENTAL AUDIT			
9	<p>Within a year of the commencement of development on site under this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:</p> <p>(a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;</p> <p>(b) include consultation with the relevant agencies;</p> <p>(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);</p>	<p>Letter from DP&I re Approval of Independent Auditor, 14 Jan 2014</p>	<p>The first Independent Environmental Audit was conducted within 1 year of commencement of development by Trevor Brown endorsed by the Director-General on 14 January 2014.</p>	<p>Compliant</p>

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. <i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.</i>			
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.	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: <ul style="list-style-type: none"> the EA; current statutory approvals for the project; approved strategies, plans or programs; a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval; a complaints register, updated on a quarterly basis; minutes of CCC meetings; copies of any annual reviews (over the last 5 years); any independent environmental audit, and the Proponent's response to the recommendations in any audit; and any other matter required by the 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: <ul style="list-style-type: none"> Environmental Protection License 536 Teralba Quarry Project Approval 10_0183 Response To EA Submissions Environmental Assessment, Nov 2011 Specialist Consultant Studies Compendium Volume 1 and Volume 2, Nov 2011 Community Consultative Committee (CCC) Minutes Environmental Management Strategy Air Quality Blast Management Heritage Management Plan Landscape Management Plan Bushfire Management Plan Noise Management Transport Waste Management Water Management Community Complaints Non Compliances Monitoring results 	Compliant Ongoing

Part 2 Statement of Commitments

Note: It is proposed to remove all commitments in the 2015 Annual Review that are duplicates (or with similar/identical outcomes) of the Conditions within PA10_0183.

Part 2 - Statements of Commitment

(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).					
	Clearly mark the boundary of each area of activity, (i.e. the boundary of the Southern and Northern Extensions).	Prior to the commencement of quarrying operations.	<ul style="list-style-type: none"> Boundary Survey Plan, Southern Extension, Moutrie Survey, Jun 2013 Compendium of Documents for DP&I, Sep 2013 	<p><u>Refer to Project Approval Schedule 3 condition 1</u></p> <p>The boundaries of the approved limits of the Teralba Quarry lease activities have been marked with coloured poles for the various areas:</p> <ul style="list-style-type: none"> White poles - Stage 1A, Yellow poles – quarry extraction limits Blue poles - Pugmill Area Green poles – Downer EDI <p>Signage is to be placed on the posts to specifically identify each of the active areas of works within the Teralba Quarry lease boundaries.</p>	Compliant
2	Operating Hours				
Management of operations in accordance with the approved operating hours. (Note: No activities and operations are proposed on public holidays).					
2.1	Undertake extraction and processing activities south of Rhondda Road between 6:00am and 8:00pm on Monday to Fridays and 6:00am to 2:00pm on Saturdays.	During operations		<p><u>See Project Approval Schedule 3 condition 6</u></p> <p>Quarry extraction and processing activities south of Rhondda Road occur between 6:00am and 8:00pm on Monday to Fridays and 6:00am to 2:00pm on Saturdays.</p>	Compliant
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
2.3	Undertake product transportation activities 24hrs/day between 4:00am Monday to 6:00pm Saturday.	During operations	<ul style="list-style-type: none"> Truck Movement Records Jan – Dec 2014 	<p><u>See Project Approval Schedule 2 condition 9</u></p> <p>Product transportation activities from the Teralba Quarry occur between 6:00am and 6:00pm Monday to Saturday in accordance with the Project Approval Schedule 2 condition 9.</p>	Compliant
2.4	Undertake all blasts between 10:00am and 4:00pm Monday to Friday.	During operations	<ul style="list-style-type: none"> Blast Monitoring Records 2014 	Blasts are only conducted between 10:00am and 4:00pm Monday to Friday.	Compliant
2.5	Restrict activities undertaken outside the hours identified in 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

SoC No.	Action	Timing	Verification	Comment	Compliance
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
3	Waste Management				
Minimisation of general waste creation and maximisation of recycling, wherever possible.					
3.1	Place all paper and general wastes originating from the site office, together with routine maintenance consumables from the daily servicing of equipment in garbage bins located adjacent to the site office and workshop.	Ongoing	<ul style="list-style-type: none"> Waste Management Plan, Appendix 1 Waste Management Matrix, Oct 2013 	See Project Approval Schedule 3 condition 47 and 48 The waste generated by the project is appropriately stored and handled on site with all waste segregated into separate bins, containers or tanks and the wastes are collected for recycling/disposal by Trans-Pacific Waste contractors, and Sell and Parker Metal Recycling Services.	Compliant
3.2	Segregate waste into recyclables and non- recyclable materials for removal by a licensed Contractor.	Ongoing	<ul style="list-style-type: none"> Waste Management Plan, Section 9.7, Oct 2013 		Compliant
	Minimisation of the potential risk of environmental impact due to waste creation, storage and/or disposal.		<ul style="list-style-type: none"> Waste Management Plan, Section 9.6, Oct 2013 		Compliant
3.3	Organise the regular collection of industrial Wastes.	Monthly or as needs basis	<ul style="list-style-type: none"> Waste Management Plan, Oct 2013 		Compliant
3.4	Store waste oils and greases within the workshop area in either self-bunding containers or within suitably contained areas.	Ongoing	<ul style="list-style-type: none"> Waste Management Plan, Section 9.6, Oct 2013 		Compliant
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		Perimeter fence has been installed around the Northern Extension Area.	Compliant
4.2	Maintain lockable gates at all entry/exit points. Lock gates outside of operational hours	Ongoing		Lockable gates have been installed and maintained at the entry and exit points from the Teralba Quarry sites.	Compliant
4.3	Erect security warning signs at strategic locations around and within the Project Site. The signs would identify the presence of earthmoving equipment, deep excavations and steep slopes.	Ongoing		Security warning signs are present around the site to warn of earthmoving equipment/vehicle movements, deep excavations and steep slopes of quarry excavation areas.	Compliant
4.4	Continue to induct employees in safe working practices and hold regular follow-up safety meetings and reviews.	Ongoing		Induction of employees in relation to safety and safe working practices occurs for all employees with follow-up Toolbox talks and meetings conducted to maintain employee awareness.	Compliant
4.5	Install bunds along the margins of all internal haul roads where those roads are positioned adjacent to steep slopes, adjacent to the boundary of the extraction area and adjacent to all other steep slopes	Ongoing		Internal roads have the boundary of the access routes marked to provide guidance to drivers in relation to safe distances from slopes adjacent to extraction areas.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
4.6	Ensure all trucks from the Project Site are driven in a safe and courteous manner in accordance with Metromix's Driver Code of Conduct.		<ul style="list-style-type: none"> Transport Management Plan, Appendix 1, Oct 2013 Drivers Code of Conduct, Oct 2013 	The Traffic Management Plan (Section 6.2) describes Competence Training and Awareness for all drivers / employees and covers site traffic rules, safe site delivery, Drivers Code of Conduct, maximum hourly despatch rates and operation and maintenance of wheel washes.	Compliant
5	Rehabilitation and Biodiversity Offset Management				
Create a stable final landform able to support a range of final land uses focused upon ecological corridors and ongoing industrial uses					
5.1	Retain 142.6ha of existing vegetation and remnant understorey vegetation as a legally protected biodiversity offset.	In perpetuity	<ul style="list-style-type: none"> Landscape Management Plan (draft), Figure 9.1, Feb 2014 	<u>See Project Approval Schedule 3 condition 52 and 53</u> The Biodiversity Offset Strategy and Landscape Management Plan identifies the area of retained vegetation to be protected (yet to be approved by DPE and OEH).	In progress
	Maintenance of long term ecological values within the Final Biodiversity Offset.		<ul style="list-style-type: none"> Landscape Management Plan, Feb 2014 		In progress
5.2	Ensure that 142.6ha of retained vegetation within the Biodiversity Offset is legally protected through a Conservation Agreement pursuant to Section 69B of the National Parks and Wildlife Act 1974.	By 30 June 2014.	<ul style="list-style-type: none"> Landscape Management Plan, Figure 9.1, Feb 2014 		In progress
6	Groundwater				
Prevention of groundwater contamination					
6.1	Securely store all hydrocarbon products within designated and bunded areas – see Action 16.11	Ongoing		<u>See Project Approval Schedule 3 condition 25 and SoC 7.12</u> 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).	Compliant
6.2	Refuel and maintain all earthmoving equipment within designated areas – see Action 16.11.	Ongoing		<u>See SoC 7.13</u> Refuelling of vehicles and equipment only occurs in designated areas and maintenance is undertaken at the site workshops.	Compliant
6.3	Prepare a Groundwater Management Plan, including trigger levels for actions – see Action 16.3.	Ongoing	<ul style="list-style-type: none"> Water Management Plan Section 7.2, Aug 2013 	<u>See Project Approval Schedule 3 condition 26(c)</u> Groundwater Management has been prepared in Water Management Plan Section 7.2 and addresses trigger levels for actions.	Compliant
6.4	Prepare a Spill Management Plan to address potentially significant hydrocarbon spills – see Action 16.11.	Ongoing	<ul style="list-style-type: none"> Water Management Plan, Aug 2013 	<u>See SoC 7.13</u> Spill Management Plan is included in the Water Management Plan Section 7.3.5.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
Continuous monitoring of groundwater throughout the life of the Project.					
6.5	Develop and implement a monitoring program as part of the Soil and Water Management Plan.	Within 6 months of the receipt of project approval.	<ul style="list-style-type: none"> Water Management Plan Section 9.5, Aug 2013 	<p><u>See EPL condition M2.3 and Project Approval Schedule 3 condition 26(b)</u> Groundwater monitoring is addressed in the Water Management Plan.</p>	Compliant
6.6	Monitor water quality at the Mine Adit Dam for pH levels, electrical conductivity, suspended solids, and oil and grease.	Monthly (subject to review).	<ul style="list-style-type: none"> Water Management Plan Section 9, Aug 2013 	<p><u>See EPL condition M2.3 and See Project Approval Schedule 3 condition 26(b)</u> Water quality monitoring of the Mine Adit Dam for pH levels, electrical conductivity, suspended solids, and oil and grease is conducted monthly and in accordance with EPL condition M2.3.</p>	Compliant
6.7	Record flows/discharges from the Mine Adit Dam as well as quarry water usage.	Continuous	<ul style="list-style-type: none"> Water Management Plan Section 9.5, Aug 2013 	<p><u>See EPL condition M8.1</u> Flow and discharge rate from the Mine Adit Dam A is recorded continuously by an automatic monitor at the discharge point.</p>	Compliant
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.	In progress
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	In progress
7	Surface Water				
Maintenance of surface water quality.					
7.1	Conduct site clearing activities in accordance with the Blue Book (Landcom, 2004) guidelines for erosion and sediment control.	Ongoing	<ul style="list-style-type: none"> "Managing Urban Stormwater, Soils and Construction, Volume 2E, Mines and Quarries", DECC, 2004 	Vegetation clearing activities are conducted in accordance with the Erosion and Sediment Control Plan and the Blue Book guidelines for erosion and sediment control.	Compliant
7.2	Establish a regular monitoring program to review the effectiveness of all erosion and sediment control mitigation measures.	Prior to commencement of clearing works	<ul style="list-style-type: none"> Water Management Plan Appendix 1 	<p><u>See Project Approval Schedule 3 condition 26(b)</u> The Erosion and Sediment Control Plan was prepared as part of the Water Management Plan Appendix 1 Section 3.3.4 includes a regular monitoring program for the erosion and sediment structures.</p>	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
7.3	Incorporate an update of the current Water Management Plan (GHD, 2007) into the Soil and Water Management Plan to take into account the proposed Southern and Northern Extensions.	Within 6 months of date of project approval.	<ul style="list-style-type: none"> • Emails to DP&I re Water Management Plan, 22 Aug 2013 • Draft Water Management Plan, Aug 2013 • Letter from DP&I re Water Management Plan, 16 Jan 2014 	<p><u>See Project Approval Schedule 3 condition 23</u></p> <p>The Water Management Plan was prepared in consultation with the Lake Macquarie City Council and the NSW Office of Water (NOW), and submitted to DP&I on 22 August 2013.</p> <p>Comments were received from DP&I on 16 January 2014. The Water Management Plan was being revised to address the DP&I comments and Environment Protection Licence No. 536 (draft Variation) 7 Feb 2014 – EPA input not yet completed.</p>	In progress
7.4	Ensuring any off-site discharge is monitored and reported in accordance with Environment Protection Licence 536.	As required	<ul style="list-style-type: none"> • Environment Protection Licence No. 536 • Water Management Plan 	<p><u>See Project Approval Schedule 3 condition 26(b)</u></p> <p>Monitoring of the discharge from the EPA approved monitoring points has occurred and reported in accordance with EPL condition P1.2, L2.4 and M2.3</p>	Compliant
7.5	Conduct site clearing activities in accordance with the Blue Book (Landcom, 2004) guidelines for erosion and sediment control.	Ongoing		<u>See SoC 7.1</u>	Repeat SoC's as noted
7.6	Establish a regular monitoring program to review the effectiveness of all erosion and sediment control mitigation measures	Prior to commencement of clearing works		<u>See SoC 7.2</u>	
7.7	Incorporate an update of the current Water Management Plan (GHD, 2007) into the Soil and Water Management Plan to take into account the proposed Southern and Northern Extensions.	Within 6 months of date of project approval		<u>See SoC 7.3</u>	
7.8	Ensuring any off-site discharge is monitored and reported in accordance with Environment Protection Licence 536.	As required		<u>See SoC 7.4</u>	
Capture of sediment-laden water flows from project related disturbance					
7.9	Provide sufficient storage during all stages of works to prevent discharge off-site of sediment-laden water in accordance with the Blue Book (Landcom, 2004) guidelines for sediment retention dams.	Ongoing	<ul style="list-style-type: none"> • Erosion and Sediment Control Plan, Section 3.3.3.2 • "Managing Urban Stormwater, Soils and Construction, Volume 2E, Mines and Quarries", DECC, 2004 	<p><u>See Project Approval Schedule 3 condition 26(b)</u></p> <p>The erosion and sediment control measures constructed on the Teralba Quarry site appear to have adequate capacity to retain and settle sediment containing runoff from the disturbed areas of the site.</p> <p>The calculations for the sediment dam capacities were based on the New South Wales Department of Housing and Landcom's "Blue Book", "Managing Urban Stormwater – Soils and Construction Volume 1 (2004) for site soils as "D/F". Selection of the rainfall is based on "Managing Urban Stormwater, Soils and Construction, Volume 2E, Mines and Quarries"</p> <p>The calculations for the sediment dam capacities are conservative and the sediment dams have their design capacity available for collection and settlement of surface runoff. The capacity of Dam D was doubled during 2014.</p>	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
7.10	Inspect all sediment dams and maintain as necessary (keep records).	Monthly or following rainfall exceeding 100mm in 2 days.	• Erosion and Sediment Control Plan, Table 3	Sediment dam inspections are conducted weekly and within 24hr after rainfall events >10mm/24hr.	Compliant
7.11	Remove accumulated sediment from sediment dams when storage capacity reduced by 25% - document activity in maintenance records.	Following routine inspection.	• Erosion and Sediment Control Plan, Table 3	Sediment dam inspections are conducted weekly and within 24hr after rainfall events >10mm/24hr and sediment removed to ensure 70% dam capacity is available.	Compliant
Prevention of hydrocarbon contamination of water on the Project Site.					
7.12	Securely store all hydrocarbon products within designated and bunded areas.	Ongoing		Diesel storage for use on the Teralba Quarry site is adjacent to the workshop area in two (2) bunded aboveground tanks.	Compliant
7.13	Refuel all earthmoving equipment within designated areas (with spill control).	Ongoing	• Water Management Plan, Aug 2013	See SoC 7.13 Spill Management Plan is included in the Water Management Plan Section 7.3.5.	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
8	Terrestrial Flora and Fauna				
Minimisation of impacts on flora and fauna within the Project Site.					
8.1	Prepare and implement a Site Vegetation Management Plan (as part of the overall Landscape Management Plan – see SoC16.7.	Within 12 months of the receipt of project approval	• Landscape Management Plan, February 2014	Landscape Management Plan February 2014 includes short, medium and long term vegetation management measures.	In progress
8.2	Clearly define the <i>Tetratheca juncea</i> sub-populations to be retained.	For the life of the Project		Areas of <i>Tetratheca juncea</i> identified on the Teralba Quarry site have been clearly identified as NO-GO areas.	Compliant Ongoing
8.3	Continue the established rehabilitation practices in appropriate areas.	Ongoing.		Rehabilitation practices established for the Teralba Quarry site have been successful and the reuse of site topsoil and biomass will continue to be applied to disturbed areas.	Compliant
8.4	Retain the extracted topsoil and vegetation within the immediate area of <i>Tetratheca juncea</i> populations and relocate to easement locations.	During clearing		Topsoil removed within areas of defined populations of <i>Tetratheca juncea</i> is directly replaced in the decommissioned power line easements	Compliant Ongoing
8.5	Transfer biomass directly from vegetation clearing operations to rehabilitation areas. If it is not possible to transfer directly, stockpile material.	Ongoing		Rehabilitation practices established for the Teralba Quarry site have been successful and the reuse of site topsoil and biomass will continue to be applied to disturbed areas.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
8.6	Control noxious weeds at all times in accordance with a Weed Management Plan (to be incorporated into the site Vegetation Management Plan).	Following approval of Landscape Management Plan (see Action 16.7) and then ongoing.			Not yet activated
8.7	Install species specific nesting boxes for fauna species displaced following clearing activities, re 20 boxes for microbats, 20 boxes for Little Lorikeets and 30 boxes for Sugar Gliders.	Prior to commencement of activities in the Northern Extension		Approved by DPE 10 October 2013	Compliant
9	Traffic and Transport				
Transport operations are undertaken with minimal impact on other road users and residents.					
9.1	Limit laden quarry-related truck movement numbers through Teralba: – 8 per hour; and – 85 per day.	Ongoing	<ul style="list-style-type: none"> Teralba Truck Movements, January - December 2014 	<p><u>See Project Approval Schedule 2 condition 9</u></p> <p>The number of laden trucks dispatched from the Teralba Quarry between January 2014 and December 2014, comply with the limits of hourly truck dispatch rates in Project Approval Schedule 2 condition 9.</p>	Non-Compliant
9.2	Ensure that no product trucks from Teralba Quarry travel eastward through Teralba between 6:00pm and 6:00am.	Ongoing	<ul style="list-style-type: none"> Teralba Truck Movements, Jan-Dec 2014 	<p><u>See Project Approval Schedule 2 condition 9</u></p> <p>No non-compliances with the truck dispatch time limits through Teralba occurred between January 2014 and December 2014.</p>	Generally Compliant
9.3	Ensure all vehicles exiting the Project Site pass through a wheel-wash facility to remove dust generating material.	Prior to removal of product from within the extensions.	<ul style="list-style-type: none"> Traffic Management Plan, Oct 2013 Drivers Code of Conduct 	All vehicles exiting the Project Site pass through a wheel-wash facility to remove dirt / dust generating material prior to the vehicle reaching the public roads.	Compliant
9.4	Provide a contribution to Lake Macquarie City Council during the ongoing life of the quarry if a suitable project approval is granted.	Quarterly		<p><u>See Project Approval Schedule 2 condition 17</u></p> <p>Metromix has consulted with the Council in relation to the agreement for the payment of the 0.066c per tonne per kilometre (/t/km) for every tonne of quarry products transported from the site on roads for which Council is liable for road maintenance funding. The Council lawyers were to draft the agreement for signing by the two parties, but this has not yet been completed.</p>	In progress
9.5	Prepare, implement and enforce 'Drivers Code of Conduct' addressing: – times that trucks can operate, especially through Teralba – speed limits; – duty of care to other drivers and pedestrians; – complaints procedure; – covering loads; and – avoidance of exhaust brakes.	Prepare within 4 months of receipt of project approval.	<ul style="list-style-type: none"> Traffic Management Plan, Oct 2013 Drivers Code of Conduct 	<p><u>See Project Approval Schedule 3 condition 44</u></p> <p>The Traffic Management Plan (Section 6.2) describes Competence Training and Awareness for all drivers / employees and covers site traffic rules, safe site delivery, Drivers Code of Conduct, maximum hourly despatch rates and operation and maintenance of wheel washes. All trucks leaving the Teralba Quarry site have their loads covered.</p>	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
9.6	Undertake all transport activities in accordance with the project approval and Environment Protection Licence 0536.	Ongoing	<ul style="list-style-type: none"> Traffic Management Plan, Oct 2013 Drivers Code of Conduct 	See Project Approval Schedule 3 conditions 31 to 44 Transport activities are managed in accordance with the approved Traffic Management Plan.	Compliant
9.7	Ensure that only trucks owned by Metromix, or its shareholders and those of accredited contractors using airbag suspension and other noise controls are used to transport products between 10:00pm and 6:00am.	Ongoing	<ul style="list-style-type: none"> Traffic Management Plan, Oct 2013 Drivers Code of Conduct 	See Project Approval Schedule 3 condition 38 All trucks owned by Metromix, and its approved contractors and fitted with airbag suspension.	Compliant
9.8	Ensure that all project-related vehicles are regularly serviced to ensure engine efficiencies are maintained at a standard that limits truck noise.	Ongoing	<ul style="list-style-type: none"> Traffic Management Plan, Oct 2013 Drivers Code of Conduct 	All project-related vehicles are regularly serviced to ensure engine efficiencies are maintained at a standard that limits truck noise	Compliant
10	Noise and Vibration				
The Project is designed to minimise and/or mitigate noise emissions received at surrounding residences and other sensitive receivers					
10.1	Ensure all mobile earthmoving equipment used on site is not fitted with high-frequency reversing alarms and is regularly serviced.		<ul style="list-style-type: none"> Transport Management Plan, Oct 2013 Noise Management Plan, Section 8, 16 Jan 2014 	All mobile earthmoving equipment used on site is fitted with 'quacker' reversing alarms and the equipment is regularly serviced to ensure noise emissions are controlled to within acceptable levels.	Compliant
10.2	Ensure all earthmoving equipment used on site (including temporary equipment) have sound power levels and frequency spectra consistent with those nominated in Section 6 of Spectrum Acoustics (2011).	When new or temporary equipment is brought to site.	<ul style="list-style-type: none"> Transport Management Plan, Oct 2013 Noise Management Plan, Section 8, 16 Jan 2014 	Independent noise monitoring of the mobile earthmoving equipment (bulldozer and haul trucks) on site occurs by Spectrum Acoustics, to ensure the sound power levels are acceptable. This monitoring was not undertaken in 2014, however, is programmed for 2015.	Non-Compliant
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents.					
10.3	Ensure that the eastern side of the Southern Extension is extracted in such a manner that the active extraction face is retained on the eastern face thereby providing a topographic barrier between operating earthmoving equipment and residences to the east.	Ongoing throughout the extraction operations in the Southern Extension area.	<ul style="list-style-type: none"> Noise Management Plan, Section 8.3, 16 Jan 2014 	The Southern Extension Area extraction is planned for the active face to be retained on the eastern side to provide a topographic barrier between operating earthmoving equipment and the residences to the east.	Compliant Ongoing
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.					
10.5	Limit transportation noise by ensuring: <ul style="list-style-type: none"> all transport vehicles comply with the RTA's noise limits at all times; only trucks fitted with airbag suspension be used to transport products from the quarry between 10:00pm and 6:00am; and drivers comply with Code of Conduct. 	Ongoing	<ul style="list-style-type: none"> Transport Management Plan, Oct 2013 Noise Management Plan, Section 8.4, 16 Jan 2014 	Refer to Project Approval Schedule 2 condition 18 and EPL condition O1.1 The noise attributed to trucks travelling to and from the Teralba Quarry is controlled by: <ul style="list-style-type: none"> All trucks under the control of Metromix, comply at all times with the RTA's noise limits. Only those trucks under the control of Metromix, its shareholders and approved contractors, and fitted with airbag suspension, are used to transport products from the Teralba Quarry between 6:00pm and 6:00am Monday 	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
				to Saturday. <ul style="list-style-type: none"> All drivers sign the Drivers Code of Conduct to ensure high standard of driver performance including the need to, avoid use of exhaust brakes in built-up areas and travel at required speeds. 	
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	<ul style="list-style-type: none"> Noise Management Plan, Section 9, 16 Jan 2014 	Noise monitoring is outlined in the Noise Management Plan: <ul style="list-style-type: none"> Independent monitoring will be undertaken during the first 2 years of operations at 6 monthly intervals coinciding with wind blowing in a predominantly eastern and western direction. The frequency of monitoring will then revert to annual monitoring during a period of wind blowing from the western quadrant towards residences in Teralba. 	Non-Compliant
					Noted
10.7	Include a summary of all noise monitoring results in the AEMR.	Annually.	<ul style="list-style-type: none"> Noise Management Plan, Section 11.5, 16 Jan 2014 	Noise monitoring results are included in the 2014 Annual Review.	In progress
10.8	Ensure all trucks departing the Project Site via the bottom gate travel at speeds <15km/hr.	Ongoing	<ul style="list-style-type: none"> Transport Management Plan, Oct 2013 	Trucks departing the Teralba Quarry site via the bottom gate to Railway Street are restricted to speeds of less than 15km/hr.	Compliant
10.9	Review blast designs and modify, if required.	When blasting within 500m of any residence.		No blasting has occurred throughout 2014 within 500m of any residence.	Noted
11	Air Quality				
Site activities are undertaken without exceeding DECCW air quality criteria or goals.					
11.1	Minimise clearing ahead of extraction activities.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	Vegetation clearance is minimised ahead of extraction activities to reduce dust generation and visual amenity impact.	Compliant
11.2	Minimise the construction of minor roads and access tracks for soil stripping, extraction operations and rehabilitation.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	No construction of minor roads and access tracks is proposed for soil stripping, extraction operations and rehabilitation	Compliant
11.3	Operate a water truck to manage dust suppression during periods of extended dry weather and/or high winds, or when dust nuisance has the potential to occur as a result of quarrying activities.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Section 8.2, Oct 2013 	During periods of high wind speeds (typically from the western quadrant): activities capable of generating dust are curtailed and additional water applied to internal roads in use for hauling primary raw feed and any other open areas capable of generating dust are watered with the water truck.	Compliant
11.4	Stockpile material in sheltered locations away from sensitive receptors	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	Stockpiles are established in locations away from sensitive receptors.	Compliant
11.5	Shield and/or suppress dust on conveyors and transfer points.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Section 6, Oct 2013 	Mist sprays / dust suppression is installed on conveyors and transfer points to suppress dust.	Compliant

Internal Compliance Review – Teralba Quarry

March 2015

SoC No.	Action	Timing	Verification	Comment	Compliance
11.6	Limit internal road dust lift off by: – surfacing (and grading local) roads with appropriate materials; – enforcing a 30km/hr speed limit on all internal roads; – limiting load sizes to ensure that product does not extend over truck sidewalls; and – avoiding spillage during truck loading.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 Transport Management Plan, Oct 2013 	Internal roads are surfaced to reduce dust, 30km/hr speed limit is enforced on all internal roads, and spillage during truck loading and transport is minimised to ensure that product is not lost over truck sidewalls and all loads are covered transport during	Compliant
11.7	Minimise dump heights from trucks, front-end loaders and conveyors.	Ongoing	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	Dump heights from trucks, front-end loaders and conveyors is minimised to reduce dust generation.	Compliant
11.8	Schedule blasts so that they do not occur during high wind situations	Ongoing	<ul style="list-style-type: none"> Blast Management Plan, Oct 2013 	Blasts are not scheduled to occur during high wind situations.	Compliant
11.9	Cease or modify activities on dry windy days when dust plumes are visible.	Ongoing.	<ul style="list-style-type: none"> Air Quality Management Plan, Section 8.2, Oct 2013 	During periods of high wind (typically from the western quadrant): activities capable of generating dust will be curtailed in the higher exposed areas;	Compliant
11.10	Water exposed areas not covered by gravel under dry and windy conditions when dust plumes are visible.	Ongoing.	<ul style="list-style-type: none"> Air Quality Management Plan, Section 8.2, Oct 2013 	During periods of high wind (typically from the western quadrant): activities capable of generating dust will be watered with the water truck.	Compliant
11.11	Adopt a complaints management system where all complaints are dealt with through investigation and implementation of corrective treatments	Ongoing.	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	The complaints management system developed for the Teralba Quarry operations is included in each Management Plan as a flowchart that outlines the process for receipt and actions to be taken in the event of a complaint.	Compliant
11.12	Minimise truck queuing, unnecessary idling of trucks and unnecessary trips through logistical planning, where possible.	Ongoing.		Planning of truck loading and transport from the Teralba Quarry site reduces the queuing of trucks on site and unnecessary idling of trucks.	Compliant
11.13	Ensure the on-site wheel wash reduces mud tracking along Railway Street.	Ongoing.		Wheel washes have been installed before the exit to Railway Street from the Teralba Quarry (bottom wheel wash) to reduce the potential for mud tracking onto the public road.	Compliant Ongoing
11.14	Remove any mud tracking on Rhondda Road as a result of quarry movements.	Ongoing.		Wheel washes have been installed at the exit to Rhondda Road from the Teralba Quarry (top wheel wash) to reduce the potential for mud tracking onto the public road.	Compliant Ongoing
11.15	Prepare and implement a Dust Management Plan for the quarry.	Within 4 months of the receipt of project approval.		Dust management is included in the Air Quality Management Plan prepared for the Teralba Quarry in August 2013 and submitted to the DP&I.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
Reduce the impact of Greenhouse Gas emissions from project related activities					
11.16	Minimise the impacts of greenhouse gases relating from diesel consumption by: <ul style="list-style-type: none"> – minimising the use of haul trucks through use of an overland conveyor; – reduce vehicle idling time; – maintaining optimum tyre pressures; and – the optimisation of haul routes to reduce transportation distance from the extraction areas. 	Ongoing.	<ul style="list-style-type: none"> • Air Quality Management Plan, Section 8.4, Oct 2013 	<p>Diesel Consumption</p> <p>Introduction of a conveyor for primary-crushed rock to be transported from the primary crusher within the active extraction area to the processing plant in the Southern Extension Area is being investigated. Installation of a conveyor from the Northern Extension Area to the processing plant will occur when the Rhondda Road underpass is completed Reduce Vehicle Idling Time</p> <p>All operators are required to operate equipment to reduce idling time by turning engines off during length periods of inactivity.</p> <p>Maintaining Optimal Tyre Pressures</p> <p>Each tyred vehicle will have optimal pressures identified for each tyre.</p> <p>Optimising Haul Routes</p> <p>Haul routes between the raw feed loading area and either the processing plant or primary crusher are optimised and internal haul roads are progressively re-located to maintain the shortest distance and grade for haul truck travel.</p>	In progress
Record and monitor the local environment regarding impacts.					
11.17	Minimise the impacts of greenhouse gases relating from electricity consumption by: <ul style="list-style-type: none"> – ensuring the most efficient crusher and other processing plant technology is used; – regularly inspecting the daily operations of lighting; and – implementing solar-powered lighting, where possible. 	Ongoing.	<ul style="list-style-type: none"> • Air Quality Management Plan, Section 8.4, Oct 2013 	<ul style="list-style-type: none"> - Introduction of a conveyor for primary-crushed rock to be transported from the primary crusher within the active extraction area to the processing plant in the Southern Extension Area is being investigated. Installation of a conveyor from the Northern Extension Area to the processing plant will occur when the Rhondda Road underpass is completed. - Monthly checks are conducted for all external lighting and use of lumatrol switches that are activated by reduced levels of light. Investigation of the feasibility of introducing solar power panels on remote items of equipment to minimise the use main electrical power. 	Compliant Ongoing
11.18	Continue to monitor dust impacts through; <ul style="list-style-type: none"> – the existing five deposited dust gauges; and – on-site meteorological monitoring to record relevant parameters 	Ongoing	<ul style="list-style-type: none"> • Air Quality Management Plan, Oct 2013 	Monitoring of dust deposition and meteorological parameters had continued at the Teralba Quarry site.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
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
12.5	Include Annual photographs of progressive rehabilitation of quarry benches in each AEMR.	Annually		Photographs of progressive rehabilitation will be included in the Annual Review .	In progress
13	Heritage				
Provide appropriate protection to existing					
13.1	Halt all works in the immediate area if cultural objects are found and contact a suitably qualified archaeologist and Aboriginal community representative.	Ongoing	• Aboriginal Heritage Management Plan, Section 7, Aug 2013	No cultural objects have yet been found within the areas cleared for extraction..	Noted
13.2	Halt all works in the immediate area if human remains are found and contact NSW Police, Aboriginal community representative and OEH.	Ongoing	• Aboriginal Heritage Management Plan, Section 7, Aug 2013	No human remains had been found prior to this audit.	Noted
13.3	Maintain reasonable efforts to avoid impacts to Aboriginal cultural heritage values at all stages of the development works	Ongoing	• Aboriginal Heritage Management Plan, Section 7, Aug 2013		Noted
13.4	Invite representatives of Local Aboriginal stakeholders to monitor initial ground disturbance activities.	Prior to soil stripping campaigns.	• Aboriginal Heritage Management Plan, Aug 2013		Noted
13.5	Develop an Aboriginal Culture Educational Program for the induction of all personnel and contractors involved in the construction activities on site. Records are to be kept of which staff / contractors were inducted and when for the duration of the project. The program would be developed and implemented in collaboration with the local Aboriginal community.	Prior to first soil stripping campaign and then ongoing.	• Aboriginal Heritage Management Plan, Sections 5 and 6, Aug 2013	Personnel induction for the Teralba Quarry employees and contractors includes an introduction to Aboriginal heritage management issues.	Noted Ongoing

SoC No.	Action	Timing	Verification	Comment	Compliance
	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
14	Soils				
Prevent excessive soil deterioration during stripping and transportation					
14.1	Undertake soil stripping within slightly moist condition and avoid excessively wet or dry conditions.	During soil stripping operations	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2, Feb 2014 	Stripping of soil materials only occurs when the material is moderately moist to preserve soil structure and prevent erosion and reduce dust generation.	Compliant Ongoing
14.2	Place stripped soil directly onto reshaped overburden or dedicated stockpile area.	During soil stripping operations	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.1, Feb 2014 	Topsoil and subsoil materials are stockpiled separately as low, flat mounds to a maximum height of 2m (topsoil) and 4m (subsoil) to maintain the available seed bank.	Compliant Ongoing
14.3	Remove soil through grading or pushing soil into windrows with graders or dozers for later collection for loading into rear dump trucks by front-end loaders.	During soil stripping operations	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.1, Approved by DPE on 10 October 2013. 		Noted
Retention of soil viability until use in rehabilitation.					
14.4	Leave the surface of soil stockpiles in as coarsely structured a condition as possible in order to promote infiltration and minimise erosion until vegetation is established.	Immediately following stockpile construction	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.1, Approved by DPE on 10 October 2013. 	Direct transfer of available topsoil and subsoil onto active rehabilitation areas is practised where practicable.	Compliant Ongoing
14.5	Maintain a maximum stockpile height of 3m. Clayey soils would be stored in lower stockpiles for shorter periods of time compared to coarser textured sandy soils.	During staged Rehabilitation stages.	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.1, Approved by DPE on 10 October 2013. 	Soil stockpiles are constructed as low, flat mounds to a maximum height of 2m (topsoil) and 4m (subsoil) to maintain the available seed bank.	Compliant Ongoing
14.6	Seed soil stockpiles with sterile cover crop (and limited fertiliser) as soon as possible where stockpiling is planned.	Immediately following stockpile construction.	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.1, Approved by DPE on 10 October 2013. 	Locally sourced seed or plant tube stock is applied within the substrate on stockpiles or each bench to promote the propagation of native vegetation. The ongoing progressive rehabilitation undertaken on the Teralba Quarry site has indicated that this transfer of biomass material, accompanied by bush regeneration has been successful in the re- establishment of an open forest vegetation community with respect to both species communities and general vegetation structure.	Compliant Ongoing
14.7	Maintain an inventory of available soil to ensure adequate topsoil materials are available for planned rehabilitation activities.	Immediately following stockpile construction	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 14.2, Approved by DPE on 10 October 2013. 	The active quarry plan provides an inventory of available soil for planned rehabilitation activities.	Compliant Ongoing

SoC No.	Action	Timing	Verification	Comment	Compliance
14.8	Assess soil stockpiles for weed infestation to determine if stockpiles require weed removal applications before being re-spread onto reshaped overburden.	Ongoing	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.7, Approved by DPE on 10 October 2013. 	An annual weed and pest inspection and reporting program provides an overview of the weed and pest management measures being adopted.	Compliant Ongoing
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.	<ul style="list-style-type: none"> 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			
15.2	Ensure fire extinguishers are fitted to all site vehicles.	Ongoing		All site vehicles have fire extinguishers installed.	Compliant
15.3	Incorporate a Bushfire Management Plan in the overall Emergency Response Plan for the quarry.	Within 6 months of the receipt of project approval.	<ul style="list-style-type: none"> Landscape Management Plan (draft), Section 12.2.9, Feb 2014 	A Bushfire Management Plan (dated February 2014) has been prepared as part of the Landscape Management Plan for the Teralba Quarry.	Compliant
16	Documentation and Further Approvals				
To provide site personnel with the necessary guidance on the expectations of Metromix management and the NSW Government and LMCC to achieve the required level of environmental performance.					
16.1	Environmental Management Strategy.	Within 6 months of the receipt of project approval	<ul style="list-style-type: none"> Environmental Management Strategy, Jan 2014 	<u>See Project Approval Schedule 5 condition 1</u> An Environmental Management Strategy was prepared in Aug 2013 and submitted to DPI.	Compliant
16.2	Environmental Management Plans (EMP). Focus on the next 5 years	Within 6 months of the receipt of project approval		<u>See Project Approval Schedule 5 condition 3</u> Environmental Management Plans (EMP) were prepared in August 2013 and submitted to the DP&I for approval.	Compliant
16.3	Soil and Water Management Plan. (Incorporating management, monitoring and contingency plans for soils, surface water and groundwater).	Within 6 months of the receipt of project approval	<ul style="list-style-type: none"> Water Management Plan, Aug 2013 	<u>See Project Approval Schedule 3 condition 26</u> A Water Management Plan (including soil management) was prepared in Aug 2013 and submitted to the DP&I.	Compliant
16.4	Noise and Blast Management Plan. (Incorporating a blast and noise monitoring component.)	Within 4 months of the receipt of project approval.	<ul style="list-style-type: none"> Noise Management Plan, Nov 2013 Blast Management Plan, Oct 2013 	<u>See Project Approval Schedule 3 condition 16</u> A Noise Management Plan and Blast Management Plan were prepared in Aug 2013 and submitted to the DP&I.	Compliant
16.5	Air Quality Management Plan. (Incorporating an air quality monitoring component.)	Within 4 months of receipt of project approval.	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 	<u>See Project Approval Schedule 3 condition 20</u> A Transport Management Plan was prepared in Aug 2013 and submitted to the DP&I.	Compliant

SoC No.	Action	Timing	Verification	Comment	Compliance
16.6	Transport Management Plan.	Within 4 months of receipt of project approval.	<ul style="list-style-type: none"> Transport Management Plan, Oct 2013 	<p><u>See Project Approval Schedule 3 condition 44</u> A Transport Management Plan was prepared in Aug 2013 and submitted to the DP&I.</p>	Compliant
16.7	Landscape Management Plan. (Incorporating a Vegetation Management Plan for site rehabilitation and the on-site Biodiversity offset.)	Within 12 months of the receipt of project approval.	<ul style="list-style-type: none"> Landscape Management Plan, Jan 2014 	<p><u>See Project Approval Schedule 3 condition 57</u> The draft Landscape Management Plan (dated February 2014) had been prepared for submission to the DP&I.</p>	In progress
16.8	Extraction Management Plan (for operations within 5 vertical metres of the Great North Coal Seam).	<p>Prior to commencing any extraction within 5 vertical metres of the Great Northern Coal Seam.</p> <p>Within 4 months of</p>	<ul style="list-style-type: none"> Lower Level Extraction Plan, Jan 2014 	<p><u>See Project Approval Schedule 3 condition 4</u> A draft Lower Level Extraction Plan was prepared (dated January 2014) for submission to the D-G by 22 February 2014. Mining Operation Services (MOS) was and G E Holt & Associates (GHA) prepared the draft document for the Teralba Quarry, particularly with regard to drill, blast and extraction processes above under-ground workings, and management of spontaneous combustion and gas hazards</p>	In progress
16.9	Heritage Management Plan.	Within 4 months of the receipt of project approval.	<ul style="list-style-type: none"> Aboriginal Heritage Management Plan, Aug 2013 	<p><u>See Project Approval Schedule 3 condition 49</u> An Aboriginal Heritage Management Plan was prepared in August 2013 and submitted to DP&I.</p>	In progress
16.10	Annual Environmental Management Report (AEMR).	Annually (by 31 March each year covering the previous calendar year) .		<p><u>Refer to Project Approval Schedule 5 condition 4</u></p>	In progress
16.11	Hydrocarbon Management Plan. (Incorporating the storage and use of fuel and spill management.)	Within 6 months of receipt of approval.	<ul style="list-style-type: none"> Water Management Plan, Aug 2013 	The management of hydrocarbon storage and use on site (including spill management) were included in the Water Management Plan Section 6.2.	Compliant
16.12	Annual Production Statistics to the DTIRIS (Division of Resources and Energy).	Annually (by 31 July).			Noted
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

Part 3 - Environment Protection Licence No. 0536

Licence last varied 02 July 2014.

Part 3 - Environment Protection Licence No. 0536

Condition No.	EPL Condition	Verification	Comment	Compliance								
1	Administrative Conditions											
A1	What the Licence authorises and regulates											
A1.1	<p>This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.</p> <p>Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.</p> <table border="1"> <thead> <tr> <th>Scheduled Activity</th> <th>Fee Based Activity</th> <th>Scale</th> </tr> </thead> <tbody> <tr> <td>Crushing Grinding or Separating</td> <td>Crushing, Grinding or Separating</td> <td>>500000 to 20000000 T processed</td> </tr> <tr> <td>Extractive Industries</td> <td>Land Based extractive activity</td> <td>>500000 to 20000000 T extracted, processed or stored</td> </tr> </tbody> </table>	Scheduled Activity	Fee Based Activity	Scale	Crushing Grinding or Separating	Crushing, Grinding or Separating	>500000 to 20000000 T processed	Extractive Industries	Land Based extractive activity	>500000 to 20000000 T extracted, processed or stored	Production (Sales) between January 2014 and December 2014 was 545 547 tonnes.	Noted
Scheduled Activity	Fee Based Activity	Scale										
Crushing Grinding or Separating	Crushing, Grinding or Separating	>500000 to 20000000 T processed										
Extractive Industries	Land Based extractive activity	>500000 to 20000000 T extracted, processed or stored										
A2	Premises or plant to which the licence applies											
A2.1	The licence applies to the following premises: Metromix Quarries, Rhondda Road, Teralba NSW 2284 Lot 1 DP 224037, Lot 2 DP224037			Noted								
A2.2	The licence does not apply to the area of land detailed in the survey map titled "Plan showing environment protection licence within Lot 1 DP234037 of Rhondda Road, Teralba" 19 January 2009 and filed in LIC09/705. This area of land is subject to a different licence.			Noted								
A3	Information supplied to the EPA											
A3.1	<p>Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to:</p> <p>a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</p> <p>b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>			Noted								

Condition No.	EPL Condition	Verification	Comment	Compliance																					
2	Discharges to Air and Water and Applications to Land																								
P1	Location of monitoring/discharge points and areas																								
P1.1	<p>The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.</p> <p><i>Air</i></p> <table border="1"> <thead> <tr> <th>EPA No.</th> <th>Type of Monitoring Point</th> <th>Location Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dust deposition</td> <td>Dust gauge located outside the premises boundary, labelled as "EPL1-Hillside" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175</td> </tr> <tr> <td>3</td> <td>High Volume Air Sampler PM10</td> <td>HVAS located outside the premises boundary, labelled as "HVAS" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175</td> </tr> <tr> <td>8</td> <td>Dust deposition</td> <td>Dust gauge located outside the premises boundary, labelled as "EPL2-Rodgers" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175</td> </tr> <tr> <td>9</td> <td>Dust deposition</td> <td>Dust gauge located outside the premises boundary, labelled as "EPA3-Rhondda" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175</td> </tr> <tr> <td>10</td> <td>Dust deposition</td> <td>Dust gauge located outside the premises boundary, labelled as "EPL4-Margaret" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175</td> </tr> <tr> <td>11</td> <td>Dust deposition</td> <td>Dust gauge located outside the premises boundary, labelled as "EPL5-Myrtle" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175.</td> </tr> </tbody> </table>	EPA No.	Type of Monitoring Point	Location Description	1	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL1-Hillside" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175	3	High Volume Air Sampler PM10	HVAS located outside the premises boundary, labelled as "HVAS" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175	8	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL2-Rodgers" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175	9	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPA3-Rhondda" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175	10	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL4-Margaret" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175	11	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL5-Myrtle" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175.	<ul style="list-style-type: none"> Air Quality Monitoring Results 2004 to 2014 	<p>The air quality monitoring conducted for the Teralba Quarry between January 2014 and December 2014 has involved dust deposition gauges at:</p> <ul style="list-style-type: none"> Hillside Crescent – EPL identification No. 1; Rodgers Street – EPL identification No. 8; Rhondda Road – EPL identification No. 9; Margaret Street - EPL identification No. 10; and Myrtle Street - EPL identification No. 11. <p>The high volume air sampler (HVAS) commenced operations in July 2014 adjacent to the Rodgers Street Deposited Dust Gauge.</p>	<p>Compliant</p> <p>In progress</p>
EPA No.	Type of Monitoring Point	Location Description																							
1	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL1-Hillside" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175																							
3	High Volume Air Sampler PM10	HVAS located outside the premises boundary, labelled as "HVAS" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175																							
8	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL2-Rodgers" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175																							
9	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPA3-Rhondda" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175																							
10	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL4-Margaret" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175																							
11	Dust deposition	Dust gauge located outside the premises boundary, labelled as "EPL5-Myrtle" in Figure B titled "Surrounding Residences and Air Quality Monitoring Locations" attached to correspondence 20 Aug 2013 (EPA Ref: DOC13/45175.																							

Condition No.	EPL Condition	Verification	Comment	Compliance															
P1.2	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.			Noted															
P1.3	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.			Noted															
Water and Land																			
	<table border="1"> <thead> <tr> <th>EPA No.</th> <th>Type of Monitoring Point</th> <th>Location Description</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Discharge to waters. Water quality monitoring</td> <td>Overflow point from the Mine Adit Dam labelled as "3" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).</td> </tr> <tr> <td>5</td> <td>Discharge to waters. Water quality monitoring</td> <td>Overflow point from Dam B labelled as "4" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).</td> </tr> <tr> <td>6</td> <td>Wet weather discharge to waters. Water quality monitoring.</td> <td>North-western boundary of premises into unnamed north-western drainage line labelled as "5" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).</td> </tr> <tr> <td>7</td> <td>Wet weather discharge to waters. Water quality monitoring.</td> <td>North-eastern boundary of premises into north-eastern drainage line labelled as "6" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).</td> </tr> </tbody> </table>	EPA No.	Type of Monitoring Point	Location Description	4	Discharge to waters. Water quality monitoring	Overflow point from the Mine Adit Dam labelled as "3" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).	5	Discharge to waters. Water quality monitoring	Overflow point from Dam B labelled as "4" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).	6	Wet weather discharge to waters. Water quality monitoring.	North-western boundary of premises into unnamed north-western drainage line labelled as "5" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).	7	Wet weather discharge to waters. Water quality monitoring.	North-eastern boundary of premises into north-eastern drainage line labelled as "6" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).		<p>Water monitoring conducted for the Teralba Quarry site currently includes:</p> <ul style="list-style-type: none"> • Overflow point from the Mine Adit Dam labelled as "3" in Figure C titled "Water monitoring" – EPA Identification No. 4 • Overflow point from Dam B labelled as "4" in Figure C titled "Water monitoring" – EPA Identification No. 5 <p>EPA monitoring points 6 and 7 are in the Northern Extension Area and as the Mid Pit has been extracted and large Dam K and Dam J catch the surface water, no water has been released and therefore no monitoring has occurred.</p>	Compliant
EPA No.	Type of Monitoring Point	Location Description																	
4	Discharge to waters. Water quality monitoring	Overflow point from the Mine Adit Dam labelled as "3" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).																	
5	Discharge to waters. Water quality monitoring	Overflow point from Dam B labelled as "4" in Figure C titled "Water monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).																	
6	Wet weather discharge to waters. Water quality monitoring.	North-western boundary of premises into unnamed north-western drainage line labelled as "5" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).																	
7	Wet weather discharge to waters. Water quality monitoring.	North-eastern boundary of premises into north-eastern drainage line labelled as "6" in Figure C titled "Water Monitoring" attached to correspondence dated 20 August 2013 (EPA Ref: DOC13/45175).																	

Condition No.	EPL Condition	Verification	Comment	Compliance					
3	Limit Conditions								
L1	Pollution of Waters								
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with Section 120 of the Protection of the Environment Operations Act 1997.	<ul style="list-style-type: none"> Protection of the Environment Operations Act , Section 120 , 1997 		Noted					
L2	Concentration Limits								
L2.1	For each monitoring/discharge point or utilisation area specified in the tables below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.			Noted					
L2.2	Where a quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.			Noted					
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the tables.			Noted					
L2.4	<i>Water and/or Land Concentration Limits</i>		Water monitoring results from the EPA approved monitoring points 4 and 5 conducted during 2014 indicated compliance with the concentration limits in condition L2.4.	Compliant					
L3	Volume and Mass Limits								
	For each discharge point or utilisation area specified below (by a point number), the volume/mass of: <ul style="list-style-type: none"> a) liquids discharged to water; or; b) solids or liquids applied to the area; must not exceed the volume/mass limit specified for that discharge point or area.		Water flow from Mine Adit Dam A release point 4 is continuously monitored to satisfy the volume limit specified in condition L3.	Compliant					
	<table border="1"> <thead> <tr> <th>Point</th> <th>Units of Measure</th> <th>Volume/Mass Limit</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Kilolitres/day</td> <td>25</td> </tr> </tbody> </table>	Point	Units of Measure		Volume/Mass Limit	4	Kilolitres/day	25	
Point	Units of Measure	Volume/Mass Limit							
4	Kilolitres/day	25							

Condition No.	EPL Condition	Verification	Comment	Compliance																																													
L4	Waste																																																
L4.1	<p>The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.</p> <p>Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.</p> <p>Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Waste</th> <th>Description</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>General or Specific exempted waste</td> <td>Waste that meets all the conditions of resource under Clause 52A of the "POEO (Waste) Regulation 2005</td> <td>As specified in each particular resource recovery exemption</td> </tr> </tbody> </table> <p>This condition does not limit any other conditions in this licence.</p>	Code	Waste	Description	Activity	NA	General or Specific exempted waste	Waste that meets all the conditions of resource under Clause 52A of the "POEO (Waste) Regulation 2005	As specified in each particular resource recovery exemption		<p>Project Approval Schedule 2 condition 9 states – "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".</p> <p>No concrete for recycling has been received on the Teralba Quarry site since July 2013.</p> <p>The area of the site that has received the concrete waste is licensed to the LMCC and 30,000t is in stock waiting to be processed by the LMCC.</p>	<p>Compliant</p> <p>Noted</p>																																					
Code	Waste	Description	Activity																																														
NA	General or Specific exempted waste	Waste that meets all the conditions of resource under Clause 52A of the "POEO (Waste) Regulation 2005	As specified in each particular resource recovery exemption																																														
L5	Noise Limits																																																
L5.1	<p>The licensee must ensure that noise generated by the activities within the premises do not exceed the following criteria measured by dB(A) at any residence or privately owned land.</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Day Shoulder 6am to 7am</th> <th>Day 7am to 6pm</th> <th>Evening 6pm to 10pm</th> <th>Night 10pm -6qm</th> </tr> </thead> <tbody> <tr> <td></td> <td>LA eq(15min)</td> <td>LA eq(15min)</td> <td>LA eq(15min)</td> <td>LA eq(15min)</td> </tr> <tr> <td>EPL-A 22 Awaba St Teralba</td> <td>38</td> <td>38</td> <td>37</td> <td>35 45</td> </tr> <tr> <td>EPL-B 153 Railway St Teralba</td> <td>42</td> <td>46</td> <td>36</td> <td>35 45</td> </tr> <tr> <td>EPL-C 8 Rhondda Rd Teralba</td> <td>42</td> <td>46</td> <td>36</td> <td>35 45</td> </tr> <tr> <td>EPL-D 26 Rhondda Rd Teralba</td> <td>35</td> <td>35</td> <td>35</td> <td>35 45</td> </tr> <tr> <td>EPL-E 57 Victoria Ave Teralba</td> <td>35</td> <td>35</td> <td>35</td> <td>35 45</td> </tr> <tr> <td>EPL-F 63 Victoria Ave Teralba</td> <td>35</td> <td>35</td> <td>35</td> <td>35 45</td> </tr> <tr> <td>EPL-H 52 School Rd Teralba</td> <td>37</td> <td>38</td> <td>38</td> <td>35 45</td> </tr> </tbody> </table> <p><i>Note: The licensee may provide to the EPA written evidence of any agreement with a landholder which is subject to the above noise limits. The written evidence may be submitted with a licence variation to remove the landholder from the above table.</i></p>	Location	Day Shoulder 6am to 7am	Day 7am to 6pm	Evening 6pm to 10pm	Night 10pm -6qm		LA eq(15min)	LA eq(15min)	LA eq(15min)	LA eq(15min)	EPL-A 22 Awaba St Teralba	38	38	37	35 45	EPL-B 153 Railway St Teralba	42	46	36	35 45	EPL-C 8 Rhondda Rd Teralba	42	46	36	35 45	EPL-D 26 Rhondda Rd Teralba	35	35	35	35 45	EPL-E 57 Victoria Ave Teralba	35	35	35	35 45	EPL-F 63 Victoria Ave Teralba	35	35	35	35 45	EPL-H 52 School Rd Teralba	37	38	38	35 45		<p>The Project Approval Schedule 3 condition 5 provides the noise criteria for the same residences on privately-owned land.</p> <p>The noise criteria are the same as those proposed in this Variation to the EPL dated 7 February 2014 except for EPL-F 63 Victoria Avenue.</p> <p>It is noted that Metromix has a written agreement with the landholders for EPL-C (8 Rhondda Road) and EPL-F (63 Victoria Avenue) to discontinue noise monitoring at their residences.</p>	Noted
Location	Day Shoulder 6am to 7am	Day 7am to 6pm	Evening 6pm to 10pm	Night 10pm -6qm																																													
	LA eq(15min)	LA eq(15min)	LA eq(15min)	LA eq(15min)																																													
EPL-A 22 Awaba St Teralba	38	38	37	35 45																																													
EPL-B 153 Railway St Teralba	42	46	36	35 45																																													
EPL-C 8 Rhondda Rd Teralba	42	46	36	35 45																																													
EPL-D 26 Rhondda Rd Teralba	35	35	35	35 45																																													
EPL-E 57 Victoria Ave Teralba	35	35	35	35 45																																													
EPL-F 63 Victoria Ave Teralba	35	35	35	35 45																																													
EPL-H 52 School Rd Teralba	37	38	38	35 45																																													

Condition No.	EPL Condition	Verification	Comment	Compliance																
L5.2	The licensee must comply with the operating hours set out in the following table:			Noted																
	<table border="1"> <thead> <tr> <th>Day</th> <th>Receipt of Concrete, VENM or ENM</th> <th>Loading and Dispatch of Quarry Trucks</th> <th>Extraction and Processing</th> </tr> </thead> <tbody> <tr> <td>Mon to Fri</td> <td>1am - 5p m</td> <td>4am Mon to midnight Fri</td> <td>7am - 7pm</td> </tr> <tr> <td>Saturday</td> <td>7am – 2pm</td> <td>Midnight Fri to 6pm Sat</td> <td>7am – 2pm</td> </tr> <tr> <td>Sunday and Public Holidays</td> <td>None</td> <td>None</td> <td>None</td> </tr> </tbody> </table>				Day	Receipt of Concrete, VENM or ENM	Loading and Dispatch of Quarry Trucks	Extraction and Processing	Mon to Fri	1am - 5p m	4am Mon to midnight Fri	7am - 7pm	Saturday	7am – 2pm	Midnight Fri to 6pm Sat	7am – 2pm	Sunday and Public Holidays	None	None	None
	Day				Receipt of Concrete, VENM or ENM	Loading and Dispatch of Quarry Trucks	Extraction and Processing													
	Mon to Fri				1am - 5p m	4am Mon to midnight Fri	7am - 7pm													
	Saturday				7am – 2pm	Midnight Fri to 6pm Sat	7am – 2pm													
Sunday and Public Holidays	None	None	None																	
<i>Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residence</i>																				
L5.3	<p>The noise limits set out in conditions L4.1 apply under all meteorological conditions except for any one of the following:</p> <p>(a) Wind speeds greater than 3 metres/second at 10 metres above ground level; or</p> <p>(b) Stability category F temperature inversion conditions and wind speeds greater the 2 metres/second at 10 metres above ground level; or</p> <p>(c) Stability category G temperature inversion conditions.</p>			Noted																
L5.4	<p>For the purpose of condition L4.3:</p> <p>(a) the meteorological data to be used for determining meteorological conditions is the data recorded at the meteorological station identified in this licence as EPA Identification Point W1.</p> <p>(b) Stability category temperature inversion conditions are to be determined by the sigma-theta method referred to in Part E4 of Appendix E to the <i>NSW industrial Noise Policy</i> (EPA 2000)</p> <p><i>Note: The weather station must be designed, commissioned and operated in a manner to obtain the necessary parameters required under the above condition.</i></p>	<ul style="list-style-type: none"> <i>NSW industrial Noise Policy</i> (EPA 2000) Appendix E 	<p>Metromix installed an automated meteorological station on-site, located 70m north of Rhondda Road adjacent to the access road to the Northern Extension Area (identified as EPA Point W1).</p> <p>The station complies within the requirements in the "Approved Methods for Sampling of Air Pollutants in NSW" and the NSW industrial Noise Policy (EPA 2000).</p>	Noted																
L5.5	<p>For the purpose of determining the noise generated at the premises the licensee must use a Class 1 or Class 2 noise monitoring device as defined by AS IEC61672.1 and AS IEC61672.2:2004, or other noise monitoring equipment accepted by the EPA in writing.</p>			Noted																

Condition No.	EPL Condition	Verification	Comment	Compliance
L5.6	To determine compliance: 1. With the LAeq(15 min) noise limits in condition L4.1, the licensee must locate noise monitoring equipment; (a) within 30 metres of a dwelling facade (but not closer than 3 metres) where any dwelling on the property is situated more than 30 metres from the property boundary that is closest to the premises; (b) approximately on the boundary where any dwelling is situated 30 metres or less from the property boundary that is closest to the premises, or, where applicable, (c) within approximately 50 metres if the boundary of a national park or nature reserve. 2. With the LA1(1 minute) noise limits in condition L4.1, the noise monitoring equipment must be located within 1 metre of a dwelling facade. 3. With the noise limits in condition L4.1, the noise monitoring equipment must be located; (a) at the most affected point at a location where there is no dwelling at the location, or (b) at the most affected point within an area at a location prescribed by conditions L4.6 1(a) or L4.6 1(b).			Noted
L5.7	A non-compliance of condition L4.1 will still occur where noise generated from the premises in excess of the appropriate limit is measure; • at a location other than an area prescribed by conditions L4.6 1(a) and L4.6 1(b), and /or • at a point other than the most affected point at a location.			Noted
L5.8	For the purposes of determining the noise generated at the premises the modification factors in Section 4 of the NSW Industrial Noise Policy must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.	• NSW Industrial Noise Policy EPA, 2000		Noted
L6	Blasting			
L6.1	Blasting in or on the premises must only be carried out between 1000 hours and 1600 hours Monday to Friday. Blasting in or on the premises must not take place on weekends or Public Holidays.		Blasting at the Teralba Quarry is only be carried out between 1000 hours and 1600 hours Monday to Friday. No blasting occurs on weekends or Public Holidays.	Compliant
L6.2	The airblast overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.		No blast monitoring during 2014 recorded overpressure results greater than the 120dB criteria.	Compliant
L6.3	The airblast overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.		Only one blast during 2014 recorded overpressure results greater than 115dB (only one blast in 35 blasts – therefore <5%).	Compliant

Condition No.	EPL Condition	Verification	Comment	Compliance
L6.4	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time at any noise sensitive location. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded		No blast monitoring during 2014 recorded vibration results greater than the 10mm/s criteria.	Compliant
L6.5	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec at any time at any noise sensitive location for more than five percent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded. Note: <i>Noise sensitive location includes any residence, hospital, school, childcare centre, theatre, place of worship, other similar building occupied by people, and any land within 30 metres of any afore-mentioned building.</i> A noise sensitive location excludes: a) any of the afore-mentioned buildings or land that is the subject of a private agreement between the owner of the noise sensitive site and the licensee as to an alternative airblast overpressure or ground vibration level; or b) any premises owned by the licensee.		No blast monitoring during 2014 recorded vibration results greater than the allowable criteria of 5mm/s.	Compliant
L6.6	The licensee is only permitted to carry out one (1) blast per day at the premises, unless an additional blast is required following a blast misfire.	• Blast Monitoring Data, 2014	Blasts at the Teralba Quarry are only conducted once a day, unless there is a blast misfire.	Compliant
L7	Potentially Offensive Odour			
L7.1	No condition of this licence identifies a potentially offensive odour for the purposes of Section 129 of the Protection of the Environment Operations Act 1997.			Noted
L7.2	The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.		The activities undertaken by Metromix at the Teralba Quarry do not result in the generation of any offensive odour.	Compliant
4	Operating Conditions			
O1	Activities Must be Carried Out in a Competent Manner			
O1.1	Licensed activities must be carried out in a competent manner. This includes: (a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and (b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.			Compliant

Internal Compliance Review – Teralba Quarry

March 2015

Condition No.	EPL Condition	Verification	Comment	Compliance
O2	Maintenance of Plant and Equipment			
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: (a) must be maintained in a proper and efficient condition; and (b) must be operated in a proper and efficient manner.		All equipment and vehicles operated at the Teralba Quarry by Metromix are maintained in accordance with the manufacturer's specifications at the on-site workshops.	Compliant
O3	Dust			
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	<ul style="list-style-type: none"> Air Quality Management Plan, Oct 2013 		Noted
5	Monitoring and Recording Conditions			
M1	Monitoring Records			
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.			Noted
M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form; b) kept for at least 4 years after the monitoring or event to which they relate took place; and c) produced in a legible form to any authorised officer of the EPA who asks to see them.		Records and documentation associated with the operation of the Teralba Quarry is kept in a legible form and is available on request from the Site Manager. All records will be kept for a minimum of 4 years and environmental documents and monitoring are available on the Metromix website.	Compliant
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) the date(s) on which the sample was taken; b) the time(s) at which the sample was collected; c) the point at which the sample was taken; and d) the name of the person who collected the sample		Monitoring records for samples collected from the Teralba Quarry to satisfy the requirements of this EPL include the date, time, monitoring point identification and name of the person who collected the sample.	Compliant Ongoing
M2	Requirement to Monitor Concentration of Pollutants Discharged			
M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:			Noted

Condition No.	EPL Condition	Verification	Comment	Compliance										
M2.2	Air Monitoring Requirements POINTS 1,8,9,10,11		Air monitoring for points 1, 8, 9, 10 and 11 (deposited dust) have been conducted in accordance with the EPL condition M2.2 requirements. Point 3 monitoring for PM10 commenced in July 2014.	Compliant										
	<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>Particulates – deposited matter</td> <td>g/m2/mth</td> <td>Once/mth</td> <td>Am-19</td> </tr> </tbody> </table>				Pollutant	Units of Measure	Frequency	Sampling Method	Particulates – deposited matter	g/m2/mth	Once/mth	Am-19		
	Pollutant				Units of Measure	Frequency	Sampling Method							
	Particulates – deposited matter				g/m2/mth	Once/mth	Am-19							
POINT 3														
<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>PM10</td> <td>µg/m³</td> <td>Every 6 days</td> <td>AM-18</td> </tr> </tbody> </table>	Pollutant	Units of Measure	Frequency	Sampling Method	PM10	µg/m ³	Every 6 days	AM-18						
Pollutant	Units of Measure	Frequency	Sampling Method											
PM10	µg/m ³	Every 6 days	AM-18											
M2.3	Water and/ or Land Monitoring Requirements Point 4		Water monitoring conducted for the Teralba Quarry site currently includes: <ul style="list-style-type: none"> EPA Identification No. 4 - Overflow point from the Mine Adit Dam labelled as "3" in Figure C titled "Water monitoring"; and EPA Identification No. 5 - Overflow point from Dam B labelled as "4" in Figure C titled "Water monitoring"; in accordance with EPL condition M2.3. EPA monitoring points 6 and 7 are in the Northern Extension Area. No water has been released from Dams J or Dam K, so no water monitoring has been required at those points..	Compliant										
	<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>pH units</td> <td rowspan="2">Once a mth (min of 4 weeks)</td> <td rowspan="2">Grab sample</td> </tr> <tr> <td>TSS</td> <td>Mg/L</td> </tr> </tbody> </table>				Pollutant	Units of Measure	Frequency	Sampling Method	pH	pH units	Once a mth (min of 4 weeks)	Grab sample	TSS	Mg/L
	Pollutant				Units of Measure	Frequency	Sampling Method							
	pH				pH units	Once a mth (min of 4 weeks)	Grab sample							
	TSS				Mg/L									
	Point 5													
	<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>pH units</td> <td rowspan="2">During any discharge</td> <td rowspan="2">Grab sample</td> </tr> <tr> <td>TSS</td> <td>Mg/L</td> </tr> </tbody> </table>				Pollutant	Units of Measure	Frequency	Sampling Method	pH	pH units	During any discharge	Grab sample	TSS	Mg/L
	Pollutant				Units of Measure	Frequency	Sampling Method							
	pH				pH units	During any discharge	Grab sample							
	TSS				Mg/L									
Point 6 and 7														
<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>pH units</td> <td rowspan="3">Special frequency 1</td> <td rowspan="3">Grab sample</td> </tr> <tr> <td>TSS</td> <td>mg/L</td> </tr> <tr> <td>Conductivity</td> <td>µS/cm</td> </tr> </tbody> </table>	Pollutant	Units of Measure	Frequency	Sampling Method	pH	pH units	Special frequency 1	Grab sample	TSS	mg/L	Conductivity	µS/cm		
Pollutant	Units of Measure	Frequency	Sampling Method											
pH	pH units	Special frequency 1	Grab sample											
TSS	mg/L													
Conductivity	µS/cm													
M2.4	For Special Frequency 1 the licensee must monitor within 8 hours of commencing discharge and weekly thereafter during discharge.			Noted										

Condition No.	EPL Condition	Verification	Comment	Compliance
M3	Testing Methods – Concentration Limits			
M3.1	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.			Noted
M3.2	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted. <i>Note:</i> <i>The Protection of the Environment Operations (Clean Air) Regulation 2010 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</i>			Noted
M4	Environmental Monitoring – requirement to monitor noise			
M4.1	To determine compliance with condition L4.1, attended noise monitoring must be undertaken in accordance with conditions L4.5 and L4.6, and (a) at each one of the locations listed in condition L4.1; (b) occur annually within the reporting period of the Environment Protection Licence; (c) occur during each day, evening and night period as defined in the NSW Industrial Noise Policy (EPA 2000) for a minimum of 1.5 hours during the day, 30 minutes during the evening; and 1 hour during the night, and (d) occur for three (3) consecutive days.			Noted

Condition No.	EPL Condition	Verification	Comment	Compliance
M5	Weather Monitoring			
M5.1	For each monitoring point specified below, this licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns: Point W1		Metromix has installed an automated meteorological station on-site, located 70m north of Rhondda Road adjacent to the access road to the Northern Extension Area. The meteorological station has been sited on area that would satisfy the criteria for the location of a weather station as described in AS 2922:1987 Ambient Air - Guide for the Siting of Sampling Units (NSW DECCW Method AM-1), and the NSW DECCW Approved methods for the sampling and analysis of air pollutants in NSW (DECC, 2005). The station complies within the requirements in the "Approved Methods for Sampling of Air Pollutants in NSW' Table 1. The meteorological station records: <ul style="list-style-type: none"> • temperature; • rainfall; dew point and humidity • Sigma theta • solar radiation; • air pressure; and • fire danger index 	Compliant
M5.2	For the purpose of condition M5.1, Point W1 refers to the meteorological station established on the premises.			Noted
M5.3	The licensee must fully comply with condition M5 by 31 July 2013.			Compliant
M6	Recording of Pollution Complaints			
M6.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.		All complaints received by Metromix in relation to the operation and activities of the Teralba Quarry are recorded on the Complaints register and available on the company website.	Compliant
M6.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.		Metromix records all the nominated information.	Compliant
M6.3	The record of a complaint must be kept for at least 4 years after the complaint was made.			Noted
M6.3	The record must be produced to any authorised officer of the EPA who asks to see them.			Noted

Condition No.	EPL Condition	Verification	Comment	Compliance
M7	Telephone Complaints Line			
M7.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.		Metromix has an operating telephone complaints line for receiving any complaints from the public in relation to activities conducted at the premises or by the vehicle or mobile plant associated with the Teralba Quarry.	Compliant
M7.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.		The complaints line number is provided on the Metromix website and provided on any community newsletters and to the Community Consultation Committee.	Compliant
M7.3	The preceding two conditions do not apply until 3 months after: a) the date of the issue of this licence or b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.			Noted
M8	Requirement to Monitor Volume or Mass			
M8.1	For each discharge point or utilisation area specified below, the licensee must monitor: (a) the volume of liquids discharged to water or applied to the area; (b) the mass of solids applied to the area; (c) the mass of pollutants emitted to the air; (d) at the frequency and using the method and units of measure, specified below. Points 4 and 5		The flow rate and volume of any water discharged from Mine Adit Dam A to the environment is monitored by a continuous flow meter.	Compliant
M9	Blasting			
M9.1	To determine compliance with conditions L5.2, L5.3, L5.4 and L5.5: a) Airblast pressure and ground vibration must be measured at any residence or noise sensitive location that is likely to be most affected and is not owned by the licensee or subject of a private agreement between the owner of the residence or noise sensitive site and the licensee as to an alternative blasting level - for all blasts carried out in or on the premises; and b) Instrumentation used to measure the airblast overpressure and ground vibration must meet the requirements of AS2187.2-2006.	<ul style="list-style-type: none"> Blast Management Plan, Section 9.2, Oct 2013 	Teralba Quarry blasts are monitored for blast overpressure and vibration at fixed blast monitors in accordance with the approved locations identified in the Blast Management Plan.	Compliant

Condition No.	EPL Condition	Verification	Comment	Compliance
6	Reporting Conditions			
R1	Annual Return Documents			
R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: (a) a Statement of Compliance; and (b) Monitoring and Complaints Summary. At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.		The Annual Return for EPL 0536 was submitted to the EPA in late July 2014.	Compliant
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below. <i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i>			Noted
R1.3	Where this licence is transferred from the licensee to a new licensee: (a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and (b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period. <i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>			Not applicable
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: (a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or (b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.			Not applicable
R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').		The Annual Return for EPL 0536 was submitted to the EPA in late July 2014.	Compliant
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA			Noted

Internal Compliance Review – Teralba Quarry

March 2015

Condition No.	EPL Condition	Verification	Comment	Compliance
R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: (a) the licence holder; or (b) by a person approved in writing by the EPA to sign on behalf of the licence holder.		The Annual Return was signed by Mr Scott Buchanan – General Manager	Compliant
R1.8	A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.			Noted
R2	Notification of Environmental Harm			
<i>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</i>				
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.			Noted
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.			Noted
R3	Written Report			
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.			Noted
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.			Noted

Condition No.	EPL Condition	Verification	Comment	Compliance
R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.			Noted
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.			Noted
R4	Other Reporting Conditions			
	Noise Monitoring Report			
R4.1	The licensee must submit to the EPA a noise compliance assessment report at the end of each reporting period. The report must be submitted with the Environment Protection Licence Annual Return. The report must be prepared by a suitably qualified and experienced acoustical consultant which: (a) details the noise monitoring undertaken in accordance with condition M4; (b) assess compliance with noise limits presented in condition L5.1, and (c) outlines any management actions taken within the monitoring period to address any exceedances of limits contained in condition L5.1.			Not yet activated
7	General Conditions			
G1	Copy of Licence to be kept on the Premises			
G1.1	A copy of this licence must be kept at the premises to which the licence applies.		A copy is held in the Quarry Office.	Compliant

Condition No.	EPL Condition	Verification	Comment	Compliance
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.			Noted
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.			Noted
8	Pollution Studies and Reduction Programs			
U1	Assessment of Metals Leaving the Premises			
U1.1	<p>At points 4 and 5 the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1 of Table U1.1. The licensee must use the sampling method, units of measure, and sample frequency, specified opposite in the other columns.</p> <p>Upon completion of the first 6 months of monitoring all results must be submitted to the EPA Regional Manager Hunter at PO Box 488G Newcastle 2300, to be reviewed.</p> <p>The metals that are not detected during the first 6 months of monitoring may be removed from this PRP on submission of a variation application by the licensee. To avoid any doubt if no variation is granted all metals must be monitored of the full two years.</p> <p>Upon completion of 24 months of monitoring for metals the licensee must within 2 (two) months conduct an assessment of metals detected in the discharges in accordance with ANZECC water quality guidelines and provide this assessment and all sample results from the study to the EPA Regional Manager Hunter within 1 (one) month.</p> <p>Note: The EPA may use this assessment to vary the EFL to include metal discharge limits if the assessment in accordance with ANZECC criteria indicates limits may need to be required to protect receiving waters.</p>	<ul style="list-style-type: none"> EPL Variation condition U1.1, 7 Feb 2014. Teralba Quarry Water Monitoring Results, Sep to Dec 2013 	<p>Teralba Quarry water monitoring of EPA approved monitoring points 4 and 5 (i.e. Mine Adit Dam A and discharge at the end of pipe from Dam B) has included the analysis of the concentration of each pollutant specified in Column 1 of Table U1.1.</p>	In progress

This page has intentionally been left blank