

Development Consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning, I approve the development application referred to in Schedule 1, subject to the conditions in Schedules 2 to 5.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development.



Oliver Holm
Executive Director
Resource Assessments and Compliance

Sydney

15/7/15

2015

SCHEDULE 1

Application Number:	SSD 6422
Applicant:	Holcim Australia Pty Limited
Consent Authority:	Minister for Planning
Site:	Lots 1,2 & 3 of DP 732288
Development:	Teven Quarry Project

TABLE OF CONTENTS

DEFINITIONS	3
ADMINISTRATIVE CONDITIONS	4
Obligation to Minimise Harm to the Environment	4
Terms of Consent	4
Lapsing of Consent	4
Limits on Consent	4
Surrender of Existing Development Consents	4
Structural Adequacy	5
Demolition	5
Protection of Public Infrastructure	5
Operation of Plant and Equipment	5
Updating & Staging Submission of Strategies, Plans or Programs	5
Production Data	5
Identification of Approved Extraction Limits	5
Contributions to Council	6
ENVIRONMENTAL PERFORMANCE CONDITIONS	7
Noise	7
Blasting	8
Air Quality	9
Soil and Water	10
Transport	11
Aboriginal Heritage	12
Biodiversity and Rehabilitation	12
Visual Impacts	13
Waste	13
Liquid Storage	13
Dangerous Goods	13
Bushfire	14
ADDITIONAL PROCEDURES	15
Notification of Landowners	15
Independent Review	15
ENVIRONMENTAL MANAGEMENT, REPORTING & AUDITING	16
Environmental Management	16
Reporting	17
Independent Environmental Audit	18
Access to Information	18
APPENDIX 1: DEVELOPMENT LAYOUT	19
APPENDIX 2: CONCEPTUAL FINAL LANDFORM	20
APPENDIX 3: STATEMENT OF COMMITMENTS	28
APPENDIX 4: NOISE RECEIVER LOCATION PLAN	25
APPENDIX 5: NOISE COMPLIANCE ASSESSMENT	26

DEFINITIONS

Aboriginal item or object	Any item or object that provides evidence of the use of an area by Aboriginal people, as defined under the <i>National Parks and Wildlife Act 1974</i>
AHD	Australian Height Datum
Annual Review	The review required by condition 4 of Schedule 5
Applicant	Holcim (Australia) Pty Limited or any other person or persons who rely on this consent to carry out the development that is subject to this consent
BCA	Building Code of Australia
CCC	Community Consultative Committee
Conditions of consent	Conditions contained in Schedules 2 to 5 inclusive
Council	Ballina Shire Council
Day	The period from 7 am to 6 pm
Department	Department of Planning and Environment
Development	The development described in the EIS
DRE	Division of Resources and Energy (within the Department of Trade and Investment, Regional Infrastructure and Services)
EIS	Environmental Impact Statement titled <i>Seven Quarry Project</i> prepared by Umwelt (Australia) Pty Limited (dated December 2014) including the associated Response to Submissions (dated April 2015)
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i>
Evening	The period from 6 pm to 10 pm
Feasible	Feasible relates to engineering considerations and what is practical to build or to implement
Incident	A set of circumstances that: <ul style="list-style-type: none"> • causes or threatens to cause material harm to the environment; and/or • breaches or exceeds the limits or performance measures/criteria in this consent
GPS	Global Positioning System
INP	<i>NSW Industrial Noise Policy</i> (NSW EPA, 2000)
Laden Trucks	Trucks transporting extractive material from the site
Land	As defined in the EP&A Act, except where the term is used in the noise and air quality conditions in Schedule 3 where it is defined to mean the whole of a lot, or contiguous lots owned by the same landowner, in a current plan registered at the Land Titles Office at the date of this consent
Material harm to the environment	Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning, or delegate
Mitigation	Activities associated with reducing the impacts of the development
Negligible	Small and unimportant, such as to be not worth considering
NOW	NSW Office of Water
OEH	Office of Environment and Heritage
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Privately-owned land	Land that is not owned by a public agency or the Applicant (or its subsidiary)
Public infrastructure	Linear and other infrastructure that provides services to the general public, such as roads, railways, water supply, drainage, sewerage, gas supply, electricity, telephone, telecommunications, etc
Quarrying operations	The extraction, processing and transportation of extractive materials on the site and the associated removal of vegetation, topsoil and overburden
Quarry products	Includes all saleable quarry products, but excludes tailings and other wastes
Reasonable	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits; cost of mitigation versus benefits provided; community views; and the nature and extent of potential improvements
Rehabilitation	The restoration of land disturbed by the development to a good condition, for the purpose of establishing a safe, stable and non-polluting environment
RL	Reduced level
RMS	Roads and Maritime Services
Secretary	Secretary of the Department, or nominee
Site	The land described in Schedule 1
Statement of Commitments	The Applicant's commitments set out in Appendix 3

SCHEDULE 2 ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

1. In addition to meeting the specific performance criteria established under this consent, the Applicant 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 development.

TERMS OF CONSENT

2. The Applicant shall carry out the development generally in accordance with the:
 - (a) EIS;
 - (b) Statement of Commitments; and
 - (c) conditions of this consent.

Note: The Applicant's Statement of Commitments is reproduced in Appendix 3.

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 consent shall prevail to the extent of any inconsistency.
4. The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:
 - (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;
 - (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; or
 - (c) the implementation of any actions or measures contained in these documents.

LAPSING OF CONSENT

5. If the development has not been physically commenced within 5 years of the date of this consent, then this development consent shall lapse.

LIMITS ON CONSENT

Quarrying Operations

6. The Applicant may carry out quarrying operations on the site until 30 June 2045.

Note: Under this consent, the Applicant is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently this consent 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.

7. The Applicant shall not extract extractive materials below RL 4 metres AHD.
8. The Applicant shall not extract more than 6.6 million tonnes of quarry products from the site.

Extractive Material Transport

9. The Applicant shall not:
 - (a) transport more than 500,000 tonnes of quarry products from the site in any calendar year;
 - (b) accept and recycle more than 10,000 tonnes of clean, surplus concrete in any calendar year; and
 - (c) dispatch more than 73 laden trucks from the site per day, averaged over the total number of dispatch days in any calendar month.

SURRENDER OF EXISTING DEVELOPMENT CONSENTS

10. Within 6 months of the date of this consent, or as otherwise agreed by the Secretary, the Applicant shall surrender all existing development consents for the site in accordance with Section 104A of the EP&A Act.

Prior to the surrender of such development consents, the conditions of this consent shall prevail to the extent of any inconsistency with the conditions of these consents.

Note: This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrender of a consent should not be understood as implying that works legally constructed under a valid consent can no longer be legally maintained or used.

STRUCTURAL ADEQUACY

11. The Applicant shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.

Notes:

- *Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and*
- *Part 8 of the EP&A Regulation sets out the requirements for the certification of the development or project.*

DEMOLITION

12. The Applicant shall ensure that all demolition work is carried out in accordance with *Australian Standard AS 2601-2001: The Demolition of Structures*, or its latest version.

PROTECTION OF PUBLIC INFRASTRUCTURE

13. The Applicant shall:
- (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and
 - (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.

Note: This condition does not apply to any damage to roads caused as a result of general road usage.

OPERATION OF PLANT AND EQUIPMENT

15. The Applicant shall ensure that all the 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.

UPDATING AND STAGING OF STRATEGIES, PLANS OR PROGRAMS

16. To ensure that strategies, plans and programs required under this consent are updated on a regular basis, and that they incorporate any appropriate additional measures to improve the environmental performance of the development, the Applicant may at any time submit revised strategies, plans or programs for the approval of the Secretary. With the agreement of the Secretary, the Applicant may also submit any strategy, plan or program required by this consent on a staged basis.

With the agreement of the Secretary, the Applicant may prepare a revision of or a stage of a strategy, plan or program without undertaking consultation with all parties nominated under the applicable condition in this consent.

Notes:

- *While any strategy, plan or program may be submitted on a staged basis, the Applicant will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times.*
- *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/s of the development to which the strategy, plan or program applies; the relationship of this stage/s to any future stages; and the trigger for updating the strategy, plan or program.*

17. Until they are replaced by an equivalent strategy, plan or program approved under this consent, the Applicant shall implement the existing strategies, plans or programs for the site that have been approved under previous consents.

PRODUCTION DATA

18. The Applicant 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).

IDENTIFICATION OF APPROVED EXTRACTION LIMITS

19. By 31 October 2015, unless otherwise agreed by the Secretary, the Applicant shall:
- (a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area; and
 - (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.
20. While quarrying operations are being carried out, the Applicant shall ensure that these boundaries are clearly marked at all times in a manner that allows operating staff to clearly identify the approved limits of extraction.

CONTRIBUTIONS TO COUNCIL

21. The Applicant shall pay a contribution of \$0.3501 per tonne of quarry products transported and recycled concrete transported to the site from the site to Ballina Shire Council for the maintenance of the local road network. The contribution shall be paid and indexed in line with the provisions of *Ballina Shire Heavy Haulage Contributions Plan 2011* or any subsequent relevant contributions plan adopted by Council.

Note: If the parties are unable to agree on any aspect of the maintenance contributions, either party may refer the matter to the Secretary for resolution.

**SCHEDULE 3
ENVIRONMENTAL PERFORMANCE CONDITIONS**

NOISE

Hours of Operation

- The Applicant shall comply with the operating hours set out in Table 1.

Table 1: Operating Hours

Activity	Permissible Hours
Extraction operations Processing operations Overburden management	7 am to 6 pm Monday to Friday; 7 am to 4pm Saturday; and At no time on Sundays or public holidays.
Blasting	10 am to 3 pm Monday to Friday; and At no time of Sundays or public holidays.
Loading and dispatch Stockpile management Maintenance of plant and equipment	7 am to 10 pm Monday to Friday; 7 am to 4 pm Saturdays; and At no time on Sundays or public holidays.

- The Applicant shall ensure that no more than 6 laden trucks per hour are dispatched from the site between 6 pm to 10 pm, Monday to Friday.
- The following activities may be carried out on the site outside the hours specified in Table 1:
 - delivery or dispatch of materials as requested by Police or other authorities; and
 - emergency work to avoid the loss of lives, property and/or to prevent environmental harm.

In such circumstances, the Applicant shall notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.

Noise Impact Assessment Criteria

- The Applicant shall ensure that the noise generated by the development does not exceed the criteria in Table 2 at any residence on privately-owned land.

Table 2: Noise criteria dB(A)

Receiver	Day dB(A) (L_{Aeq(15 min)})	Evening dB(A) (L_{Aeq(15 min)})
R3, R4, R13, R15, R16, R17, R18, R20	38	35
All other residences	37	35

Note: Receiver locations are shown on the figure in Appendix 4.

Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the *NSW Industrial Noise Policy*. Appendix 5 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.

However, the noise criteria in Table 2 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the Department in writing of the terms of this agreement.

In the event that the studio outbuilding, certified as Complying Development under the provisions of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 by Tecton Building Services on 16 April 2015, is constructed on Lot 3 DP 703181, the Applicant shall ensure that the noise generated by the development does not exceed a criterion of 55 dB(A) L_{eq (period)} when measured external to the façade of the outbuilding, when it is in use.

Operating Conditions

5. The Applicant shall:
- implement best practice management to minimise the operational and road transportation noise of the development;
 - minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 5);
 - carry out noise monitoring (at least every 3 months) to determine whether the development is complying with the relevant conditions of this consent; and
 - regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.

Note: Required frequency of noise monitoring may be reduced if approved by the Secretary.

Noise Management Plan

6. The Applicant shall prepare and implement a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:
- be prepared in consultation with EPA;
 - be submitted to the Secretary within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - describe the measures that would be implemented to ensure:
 - compliance with the noise criteria in this consent;
 - best practice management is being employed; and
 - the noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 5);
 - describe the proposed noise management system; and
 - include a monitoring program to be implemented to measure noise from the development against the noise criteria in Table 2, and which evaluates and reports on the effectiveness of the noise management system on site.

BLASTING

Blasting Criteria

7. The Applicant shall ensure that blasting on site does not cause any exceedance of the criteria in Table 3.

Table 3: Blasting criteria

Receiver	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance
Any residence on privately-owned land	120	10	0%
	115	5	5% of the total number of blasts over a period of 12 months

However, these criteria do not apply if the Applicant has a written agreement with the relevant owner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.

Blasting Frequency

8. The Applicant may carry out a maximum of 2 blasts per calendar month, unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of the quarry or workers on site.

Note: For the purposes of this condition a blast refers to a single blast event, which may involve a number of individual blasts fired in quick succession in a discrete area of the quarry.

Operating Conditions

9. During blasting operations, the Applicant shall:
- implement best practice management to:
 - protect the safety of people and livestock in the areas surrounding blasting operations;
 - protect public or private infrastructure/property in the surrounding area from damage from blasting operations;

- minimise the dust and fume emissions of blasting;
- (b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and
- (c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent,
to the satisfaction of the Secretary.

Blast Management Plan

10. The Applicant shall prepare and implement a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this consent;
 - (c) include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent;
 - (d) include community notification procedures for the blasting schedule; and
 - (e) include a protocol for investigating and responding to complaints.

AIR QUALITY

Air Quality Impact Assessment Criteria

11. The Applicant shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 4 at any residence on privately-owned land.

Table 4: Air quality criteria

Pollutant	Averaging Period	Criterion
Particulate matter < 10 µm (PM ₁₀)	Annual	a,d 30 µg/m ³
Particulate matter < 10 µm (PM ₁₀)	24 hour	b 50 µg/m ³
Total suspended particulates (TSP)	Annual	a,d 90 µg/m ³
^c Deposited dust	Annual	b 2 g/m ² /month a,d 4 g/m ² /month

Notes for Table 4:

- a. Cumulative impact (ie increase in concentrations due to the development plus background concentrations due to all other sources).
- b. Incremental impact (ie incremental increase in concentrations due to the development on its own, with zero allowable exceedances of the criteria over the life of the development).
- c. Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.
- d. Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, or any other activity agreed to by the Secretary.
- e. "Reasonable and feasible avoidance and mitigation measures" includes, but is not limited to, the operational requirements in conditions 12 and 13 to develop and implement a air quality management system that ensures operational responses to the risks of exceedance of the criteria.

Quarry-owned Land

12. The Applicant shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 4 at any occupied residence on quarry-owned land unless:
- (a) the tenant has been notified of any health risks associated with such exceedances in accordance with the notification requirements under schedule 4 of this consent; and
 - (b) the tenant of any land owned by the Applicant can terminate their tenancy agreement without penalty at any time, subject to giving reasonable notice;
- to the satisfaction of the Secretary.

Operating Conditions

13. The Applicant shall:
- (a) implement best practice management to minimise the dust emissions of the development;

- (b) regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent;
- (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4);
- (d) monitor and report on compliance with the relevant air quality conditions in this consent; and
- (e) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.

Air Quality Management Plan

14. The Applicant shall prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) describe the measures that would be implemented to ensure:
 - compliance with the relevant conditions of this consent;
 - best practice management is being employed; and
 - the air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events;
 - (c) describe the proposed air quality management system;
 - (d) include an air quality monitoring program that:
 - is capable of evaluating the performance of the development;
 - includes a protocol for determining any exceedances of the relevant conditions of consent;
 - effectively supports the air quality management system; and
 - evaluates and reports on the adequacy of the air quality management system.

Meteorological Monitoring

15. For the life of the development, the Applicant shall ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline.

Greenhouse Gas Emissions

16. The Applicant shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.

SOIL AND WATER

Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development, including in respect of the extraction and/or interception of groundwater.

Water Supply

17. The Applicant shall ensure that it has sufficient water for all stages of the development and, if necessary, adjust the scale of operations under the consent to match its available water supply, to the satisfaction of the Secretary.

Water Discharges

18. The Applicant shall comply with the discharge limits in any EPL, or with section 120 of the POEO Act.

Groundwater

19. In the event that groundwater in excess of negligible quantities is intersected during extraction activities, the Applicant shall undertake a hydrogeological investigation, in consultation with NOW, to the satisfaction of the Secretary. The investigation must report on groundwater sources, levels, yield and quality; identify any risks to groundwater users or groundwater dependent ecosystems and propose recommended management measures.

The Applicant must implement reasonable and feasible management measures to the satisfaction of the Secretary.

Water Management Plan

20. The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be prepared by suitably qualified and experienced person/s approved by the Secretary;
 - (b) be prepared in consultation with the EPA and NOW;

- (c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
- (d) include a:
 - (i) Site Water Balance that includes:
 - details of:
 - sources and security of water supply;
 - water use and management on site;
 - any off-site water transfers;
 - reporting procedures; and
 - measures that would be implemented to minimise clean water use on site; and
 - (ii) Surface Water Management Plan, that includes:
 - detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development;
 - a detailed description of the surface water management system on site including the:
 - clean water diversion system;
 - erosion and sediment controls;
 - dirty water management system; and
 - water storages; and
 - a program to monitor and report on:
 - any surface water discharges;
 - the effectiveness of the water management system; and
 - surface water flows and quality in local watercourses;

TRANSPORT

Transport Routes

- 21. All heavy vehicles leaving and entering the site shall travel via Teven Road between Stokers Lane and the Bruxner Highway, except:
 - (a) when making local deliveries;
 - (b) when transport via the Bruxner Highway is affected due to road closures; or
 - (c) in an emergency to avoid the loss of lives, property and/or to prevent environmental harm.
- 22. The Applicant shall provide and/or maintain:
 - (a) centre-line markings on Teven Road between Stokers Lane and Bruxner Highway;
 - (b) a guard-rail on Teven Road at its intersection with Stokers Lane;
 - (c) reflectors on the guard-rail fencing at the intersections of Stokers Lane and Wellers Road with Teven Road; and
 - (d) intersection and truck warning signage on Teven Road near its intersection with Stokers Lane, to the satisfaction of Council.

Works on Teven Road or Stokers Lane must not take place unless the Applicant has the prior approval of Council.

Monitoring of Product Transport

- 23. The Applicant shall keep accurate records of all laden truck movements to and from the site (hourly, daily, weekly, monthly and annually) and publish a summary of records on its website every 6 months.

Operating Conditions

- 24. The Applicant shall ensure that:
 - (a) all company owned trucks associated with the quarry have appropriate signage, so they be easily identified by road users;
 - (b) all laden trucks entering or exiting the site have their loads covered;
 - (c) all laden trucks exiting the site are cleaned of materials that may fall on the road, before leaving the site; and
 - (d) no trucks queue at the entrance to the quarry before 6.45 am.

Transport Management Plan

- 25. The Applicant shall prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must:
 - (a) be prepared in consultation with RMS and Council and submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) provide a clear description of the primary and secondary transport routes and the circumstances during which the secondary transport route is to be utilised;

- (c) include a Drivers' Code of Conduct that details the safe and quiet driving practices that must be used by drivers transporting products to and from the quarry, particular having regard to school bus routes and the location of residential properties; and
- (d) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.

ABORIGINAL HERITAGE

26. If any item or object of Aboriginal heritage significance is identified on site, the Applicant shall ensure that:
- (a) all work in the immediate vicinity of the suspected Aboriginal item or object ceases immediately;
 - (b) a 10 m buffer area around the suspected item or object is cordoned off with high visibility flagging tape, or the like; and
 - (c) the OEH is contacted immediately.

Work in the vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the *National Parks and Wildlife Act 1974*.

BIODIVERSITY AND REHABILITATION

Biodiversity and Rehabilitation Objectives

27. The Applicant shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the rehabilitation strategy in the EIS and the conceptual final landform in Appendix 2, and must comply with the objectives in Table 5.

Table 5: Biodiversity and Rehabilitation objectives

Feature	Objective
Site (as a whole)	<ul style="list-style-type: none"> • Safe, stable and non-polluting • Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land • Restored with native, endemic vegetation
Surface Infrastructure	<ul style="list-style-type: none"> • Decommissioned and removed, unless the Secretary agrees otherwise
Quarry Benches	<ul style="list-style-type: none"> • Landscaped and vegetated using native tree and understorey species
Quarry Pit Floor	<ul style="list-style-type: none"> • Landscaped and revegetated using native tree and understorey species, above the final anticipated void water level

Progressive Rehabilitation

28. The Applicant 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 stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.

Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to further disturbance in future.

Biodiversity and Rehabilitation Management Plan

29. The Applicant shall prepare and implement a Biodiversity and Rehabilitation Management Plan for the site to the satisfaction of the Secretary. This plan must:
- (a) be prepared in consultation with OEH, and be submitted to the Secretary for approval within 6 months of the date of this consent, unless the Secretary agrees otherwise;
 - (b) provide details of the conceptual final landform and associated land uses for the site;
 - (c) describe how the management of biodiversity would be integrated with the overall rehabilitation of the site;
 - (d) include detailed performance and completion criteria for evaluating the performance of the biodiversity management measures and rehabilitation of the site, including triggers for any necessary remedial action;
 - (e) describe the short, medium and long-term measures that would be implemented to:
 - protect and enhance the remnant vegetation and habitat on the site;
 - ensure compliance with the biodiversity and rehabilitation objectives, and the progressive rehabilitation obligations in this consent;
 - (f) include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3 year period following initial approval of the plan) including the procedures to be implemented for:
 - maximising the salvage of environmental resources within the approved disturbance area, including tree hollows, vegetative and soil resources, for beneficial reuse in site;

- restoring and enhancing the quality of native vegetation and fauna habitat on site through assisted natural regeneration, targeted vegetation establishment and the introduction of fauna habitat features;
 - protecting vegetation and fauna habitat outside the approved disturbance area on-site;
 - minimising the impacts on native fauna, including undertaking pre-clearance surveys;
 - establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers;
 - ensuring minimal environmental consequences for threatened species, populations and habitats;
 - collecting and propagating seed;
 - controlling weeds and feral pests;
 - controlling erosion;
 - controlling access; and
 - managing bushfire risk;
- (g) include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;
- (h) identify the potential risks to the successful implementation of the plan and include a description of the contingency measures that would be implemented to mitigate these risks; and
- (i) include details of who would be responsible for monitoring, reviewing, and implementing the plan.

Conservation and Rehabilitation Bond

30. Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the Applicant shall lodge a Conservation and Rehabilitation Bond with the Department to ensure that the management of biodiversity and the rehabilitation of the site are implemented in accordance with the performance and completion criteria set out in the Biodiversity and Rehabilitation Management Plan. The sum of the bond shall be determined by:
- (a) calculating the cost of rehabilitating the site taking into account the likely surface disturbance over the next 3 years of quarrying operations; and
- (b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.

Note: If the rehabilitation of the site is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works.

31. Within 3 months of each Independent Environmental Audit (see condition 8 of Schedule 5), the Applicant shall review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the:
- (a) effects of inflation;
- (b) likely cost of rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the development); and
- (c) performance of the implementation of the rehabilitation of the site to date.

VISUAL IMPACTS

32. The Applicant shall implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development to the satisfaction of the Secretary.

WASTE

33. The Applicant shall:
- (a) manage on-site sewage treatment and disposal in accordance with the requirements of its EPL, and to the satisfaction of the EPA and Council;
- (b) minimise the waste generated by the development;
- (c) ensure that the waste generated by the development is appropriately stored, handled and disposed of; and
- (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.

LIQUID STORAGE

34. The Applicant shall ensure that all liquid tanks and similar storage facilities (other than for water) are protected by appropriate bunding, which must exceed 110% of the stored volume of the liquid.

DANGEROUS GOODS

35. The Applicant shall ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant *Australian Standards*, particularly AS1940 and AS1596, and the *Dangerous Goods Code*.

BUSHFIRE

36. The Applicant shall:
- (a) ensure that the development is suitably equipped to respond to any fires on site; and
 - (b) assist the NSW Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site.

SCHEDULE 4 ADDITIONAL PROCEDURES

NOTIFICATION OF LANDOWNERS

1. As soon as practicable after obtaining monitoring results showing:
 - (a) an exceedance of any relevant criteria in Schedule 3, the Applicant shall notify the affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and
 - (b) an exceedance of any relevant air quality criteria in Schedule 3, the Applicant 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 current tenants of the land (including the tenants of land which is not privately-owned).

INDEPENDENT REVIEW

2. If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land.
3. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision the Applicant shall:
 - (d) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:
 - consult with the landowner to determine his/her concerns;
 - conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and
 - if the development is not complying with these criteria then identify measures that could be implemented to ensure compliance with the relevant criteria; andgive the Secretary and landowner a copy of the independent review.

**SCHEDULE 5
ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING**

ENVIRONMENTAL MANAGEMENT

Environmental Management Strategy

1. The Applicant shall prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:
 - (a) be submitted to the Secretary for approval within 6 months of the date of this consent;
 - (b) provide the strategic framework for the environmental management of the development;
 - (c) identify the statutory approvals that apply to the development;
 - (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;
 - (e) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the development;
 - receive, record, handle and respond to complaints;
 - resolve any disputes that may arise during the course of the development;
 - respond to any non-compliance;
 - respond to emergencies; and
 - (f) include:
 - copies of any strategies, plans and programs approved under the conditions of this consent; and
 - a clear plan depicting all the monitoring to be carried out under the conditions of this consent.

Management Plan Requirements

2. The Applicant shall ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:
 - (a) detailed baseline data;
 - (b) a description of:
 - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - any relevant limits or performance measures/criteria; and
 - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;
 - (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
 - (d) a program to monitor and report on the:
 - impacts and environmental performance of the development; and
 - effectiveness of any management measures (see (c) above);
 - (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;
 - (f) a program to investigate and implement ways to improve the environmental performance of the development over time;
 - (g) a protocol for managing and reporting any:
 - incidents;
 - complaints;
 - non-compliances with statutory requirements; and
 - exceedances of the impact assessment criteria and/or performance criteria; and
 - (h) a protocol for periodic review of the plan.

Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.

Adaptive Management

3. The Applicant must assess and manage development-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 consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.

Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:

- (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;
- (b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and

- (c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.

Annual Review

4. By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the development to the satisfaction of the Secretary. This review must:
 - (a) describe the development (including any 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 development over the previous calendar year, which includes a comparison of these results against the:
 - relevant statutory requirements, limits or performance measures/criteria;
 - requirements of any plan or program required under this consent;
 - the monitoring results of previous years; and
 - the relevant predictions in the EIS;
 - (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 development;
 - (e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and
 - (f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.

Revision of Strategies, Plans & Programs

5. Within 3 months of the submission of an:
 - (a) annual review under condition 4 above;
 - (b) incident report under condition 7 below;
 - (c) audit report under condition 9 below; and
 - (d) any modifications to this consent,the Applicant shall review the strategies, plans and programs required under this consent, to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted for the approval of the Secretary.

Note: The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the development.

Community Consultative Committee

6. If directed by the Secretary, the Applicant shall establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary. Any such CCC must be operated in general accordance with the *Guidelines for Establishing and Operating Community Consultative Committees for Mining Developments* (Department of Planning, 2007, or its latest version).

Notes:

- *The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Applicant complies with this consent.*
- *In accordance with the guidelines, the Committee should comprise an independent chair and appropriate representation from the Applicant, Council and the local community.*

REPORTING

Incident Reporting

7. The Applicant shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.

Regular Reporting

8. The Applicant shall provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

INDEPENDENT ENVIRONMENTAL AUDIT

9. Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:
- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
 - (b) include consultation with the relevant agencies;
 - (c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals);
 - (d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and
 - (e) recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy plan or program required under the abovementioned approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.

10. Within 6 weeks of the completion of this audit, or as otherwise agreed by the Secretary, the Applicant shall submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report, including a timetable for the implementation of any measures proposed to address the recommendations in the report.

ACCESS TO INFORMATION

11. Within 6 months of the date of this consent, the Applicant shall:
- (a) make the following information publicly available on its website:
 - the documents listed in condition 2 of Schedule 2;
 - current statutory approvals for the development;
 - all approved strategies, plans and programs required under the conditions of this consent;
 - a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;
 - a complaints register, updated monthly;
 - the annual reviews of the development;
 - any independent environmental audit, and the Applicant's response to the recommendations in any audit;
 - minutes of CCC meetings;
 - any other matter required by the Secretary; and
 - (b) keep this information up-to-date, to the satisfaction of the Secretary.

APPENDIX 1: DEVELOPMENT LAYOUT

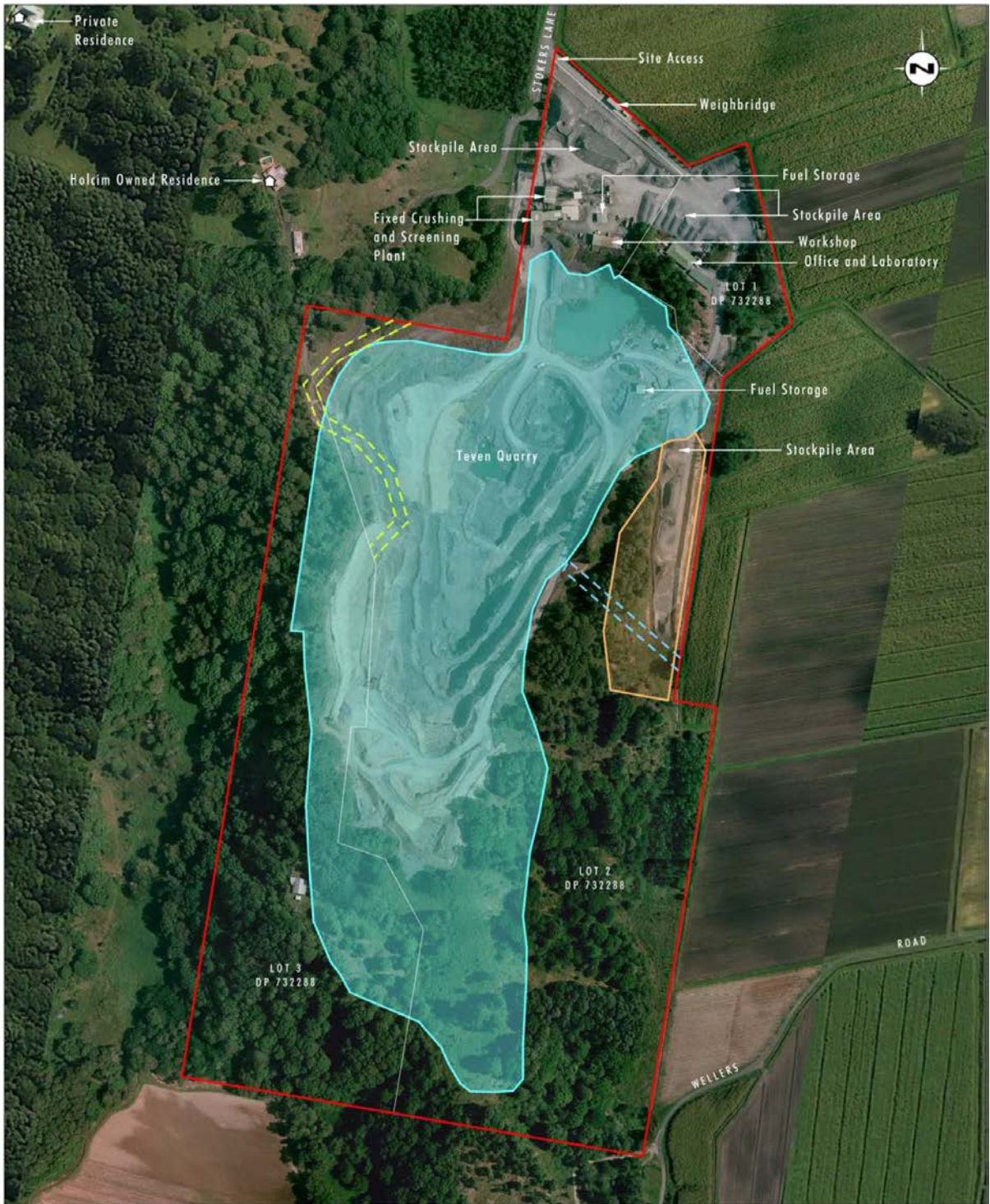


Image Source: Google Earth (2013), Holcim (Australia) Pty Ltd (2014)
 Data Source: Holcim (Australia) Pty Ltd (2014)
 Note: Cadastral data used on this figure is regional data supplied by NSW Land and Property and is not survey accurate. It is broadly indicative only of actual property boundaries.

Legend

- Project Area
- Extraction Limit Boundary
- Stockpile Area
- Holcim Owned Residence
- Proposed Easement for Water Supply (10m wide)
- Right of Carriageway (10m wide)

FIGURE 3.1
 Teven Quarry
 Existing Operations

APPENDIX 2: CONCEPTUAL FINAL LANDFORM

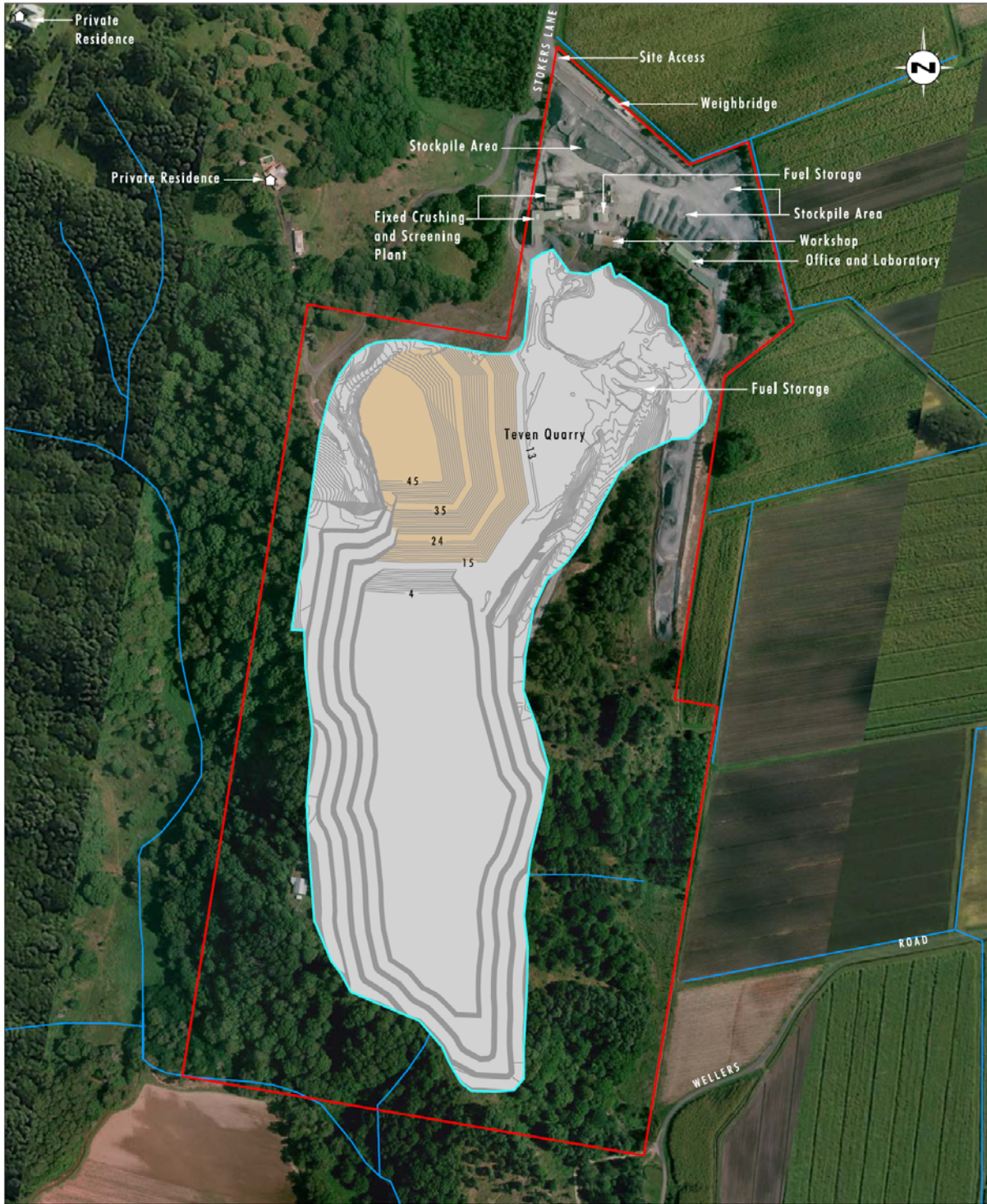


Image Source: Google Earth (2013), Holcim (Australia) Pty Ltd (2014)
 Data Source: Holcim (Australia) Pty Ltd (2014)
 Note: Cadastral data used on this figure is regional data supplied by NSW Land and Property and is not survey accurate. It is broadly indicative only of actual property boundaries.

0 50 100 200m
 1:5 000

Legend

- ▭ Project Area
- ▭ Extraction Limit Boundary
- ▭ Western Overburden Emplacement Area
- ⬜ Private Residence
- Drainage Line

FIGURE 3.5
 Indicative Final Quarry Plan

APPENDIX 3: STATEMENT OF COMMITMENTS

Life of Operation, Production and Product Delivery

Project Life

- 1 The project approval life will be for 30 years from the date of development consent. Closure and rehabilitation activities may extend beyond the 30 year operational approval period.

Production Limits

- 2 Holcim Australia will not transport more than 500,000 tpa of product from the site.

Hours of Operation

- 3 Quarry operations will be undertaken between 7.00 am and 6.00 pm Monday to Friday, and 7:00 am to 4:00 pm on Saturdays.
- 4 The following activities may be undertaken between 6:00 pm and 10.00 pm Monday to Friday:
 - maintenance (including repair, cleaning and replacement of machinery and/or machinery components);
 - product stockpile management; and
 - product loading and transport.
- 5 Blasting activities will be undertaken between 9.00 am and 3.00 pm Monday to Friday.
- 6 No operations will be undertaken on a Sunday or on public holidays.

Concrete Recycling

- 7 Holcim Australia will not recycle more than 10,000 tpa of clean, validated surplus concrete. Recycling of surplus concrete will be undertaken in accordance with '*The recovered aggregate exemption 2010*' or subsequent revision.

Environmental Management, Monitoring and Reporting

Environmental Management Plan

- 8 Within six months of development consent, Holcim Australia will update its existing Plan of Management (POM) with an Environmental Management Plan (EMP) as part of the implementation of the Project. The EMP will include the management and monitoring commitments outlined in the EIS

Annual Review

- 9 Holcim Australia will prepare an Annual Review of the environmental performance of the Project and will make this available to the public, Ballina Council and relevant government agencies.

Water

- 10 Holcim Australia will continue to monitor water quality associated with water discharges at the Teven Quarry licensed discharge point in accordance with the requirements of its Environment Protection Licence.
- 11 Holcim Australia will review the risk of flooding to the stockpile and infrastructure areas and determine if additional flood protection measures are required.
- 12 Holcim Australia will review the existing water management measures for the stockpile and infrastructure areas as part of the implementation of the project considering the requirements of the Blue Book (Managing Urban Stormwater: Volumes 1 and 2, Landcom 2004 and DECC 2008).
- 13 If groundwater interception is suspected based on observation of sustained inflow, a hydrogeological investigation will be completed in consultation with the NSW Office of Water and DP&E.
- 14 Holcim Australia will continue to report on site performance regarding water discharges in the annual review and EPL annual returns.

Noise and Blasting

- 15 Holcim Australia will implement the following noise controls as part of the Project:
 - the maintenance of product stockpiles in strategic locations, where practicable, along the northern edge of the Project site shielding product trucks and product loading equipment;
 - the use of broad band reversing alarms instead of beeper style alarms on all mobile equipment; and
 - the management of mobile machines during adverse weather conditions when wind conditions or inversion conditions enhance the noise propagation towards sensitive receiver locations which is likely to include:
 - ensuring the sales loader operates behind the product stockpile during adverse weather conditions in the evening period;
 - moving quarrying activities to locations deeper in the quarry pit during adverse weather conditions; and
 - shut down of some equipment during adverse weather conditions if required.
 - regular inspection and maintenance of noise attenuation systems; and
 - implementation of a process for periodic review of noise performance of equipment. This process will be outlined in a Noise Management Plan to be prepared for the Project.
- 16 Within six months of the date of consent, Holcim Australia will prepare and implement a Noise Management Plan for the Project. The Noise Management Plan will be integrated into the site Environmental Management Plan (refer to commitment 8).
- 17 Holcim Australia will undertake a noise monitoring program on an annual basis (or as otherwise outlined in the Noise Management Plan) including:
 - attended noise monitoring to measure ambient noise levels in the surrounding region and determination of the quarry's contribution to measured noise levels;
 - comparison of the attended noise monitoring results with relevant limits and predicted noise levels from the Project; and
 - assessment of performance of noise control measures and recommendations for additional measures if required.
- 18 Blast monitoring will continue to be undertaken for each blasting event.
- 19 A summary of the noise monitoring and blasting monitoring results will be reported in the Annual Review for the operation.

Air Quality

- 20 The existing dust control measures implemented onsite will continue to be implemented as part of the Project. These controls include:
 - watering of unsealed roads, working areas and stockpiles;
 - water sprays on conveyors;
 - dust suppression systems on drill rigs;
 - primary and secondary crushing plants are enclosed;
 - water sprays on the entrance to the primary crusher bin;
 - water sprays on product stockpiles;
 - wheel wash at weighbridge; and
 - progressive rehabilitation of overburden emplacement areas.
 -
- 21 In addition to the existing dust controls, Holcim Australia Holcim will implement the following controls as part of the Project:
 - installation of sprinklers along haul roads to work in combination with water carts or equivalent measures to achieve the same level of dust control;
 - water sprays on the mobile crushing and screening plant;
 - defining all roads and limiting access to minor and non-designated access alignments roads;
 - imposition of speed limits on all internal roads;
 - disturbance of the minimum area practicable for quarry operations;
 - designing of blasts to minimise dust, including adequate stemming;
 - consideration of current weather conditions prior to blasting. This includes visual observations of wind speed and wind direction to determine whether any dust emissions from the blast will be carried in the direction of nearest sensitive receptors;
 - implementation of blast fume management procedures; and
 - awareness training regarding air quality management for employees and contractors, where relevant.

- 22 Holcim Australia will continue to monitor dust deposition in the area surrounding the quarry, unless otherwise agreed with DP&E.
- 23 Holcim Australia will install and operate a real-time meteorological station to enable identification of adverse meteorological conditions (such as strong winds blowing towards sensitive receptors) that may result in adverse short-term dust impacts. The meteorological station will collect as a minimum, hourly (or finer resolution) wind speed and wind direction data, with monitoring to be carried out with consideration of the *Approved Methods for the Sampling and Analysis of Air Pollutants in NSW* (DEC 2007).

Traffic

- 24 Holcim Australia will utilise Teven Road south of Stokers Lane (Route 1) as the primary heavy vehicle transport route for all product deliveries to the Pacific Highway. Teven Road north of Stokers Lane and Tintenbar Road will be used for local deliveries only.
- 25 Holcim Australia will liaise with Ballina Shire Council in relation to implementing the recommendations of the Road Safety Audit, including:
- centreline markings in Teven Road between Stokers Lane and Bruxner Highway including the maintenance of the existing line marking (where required) in Teven Road;
 - provision of reflectors on the existing guardrail fencing at the intersections of Stokers Lane and Wellers Road, with Teven Road; and
 - maintenance of existing end treatment of guardrail in Teven Road at Stokers Lane.

Greenhouse Gases

- 26 Holcim Australia will continue to investigate and where feasible, implement initiatives to reduce energy consumption and greenhouse gas emissions.

Biodiversity

- 27 Holcim Australia will review the existing ecological mitigation and management measures set out in the Plan of Management (Readymix, 2007) as part of an overall update to the Teven Quarry Environmental Management Plan.
- 28 Holcim Australia will implement the following measures to minimise impacts of the operation on ecological values:
- avoidance of impact on remnant subtropical rainforest community within Lot 1;
 - conservation, where possible, of hollow bearing trees;
 - implementation of a tree felling procedure to minimise potential impacts on fauna, in particular, koalas;
 - implementation of a rehabilitation strategy targeting regeneration of Eucalypt, Brushbox and Rainforest communities across the non-disturbance areas of the site. This strategy involves weed management protocols for Camphour laurel, Lantana and weed species, and targeted planting of a range of recommended native species, including rare and threatened plant species and species which may be of benefit to threatened fauna species.

Aboriginal Cultural Heritage

- 29 If during the course of operations, Holcim Australia becomes aware of any previously unknown Aboriginal archaeological material, all works likely to affect the material or site will cease immediately and OEH, relevant Aboriginal stakeholders and a suitably qualified archaeologist will be consulted to determine an appropriate course of action prior to the recommencement of work at the site.

Visual Amenity

- 30 Holcim Australia will implement the following measures to mitigate potential visual impacts from the Project:
- maintenance of existing vegetation outside the extraction limit boundary for visual screening;
 - additional screening plantings of tall tree species will be planted adjacent to the eastern pit perimeter in order to assist in screening the more elevated western faces from viewing locations to the east, including Teven Road;
 - ensuring that areas of disturbance are kept to the minimum practicable at any one point in time;
 - rehabilitation of disturbed areas as soon as practical; and
 - install and operate night lighting in accordance with *AS 4282 – Control of the Obtrusive Effects of Outdoor Lighting*.

Hazard

- 31 Holcim Australia will store dangerous goods in accordance with dangerous good storage requirements and relevant Australian Standards.
- 32 Holcim Australia will continue to implement appropriate measures to reduce the risk of fire ignition and the spread of bushfire across the site.

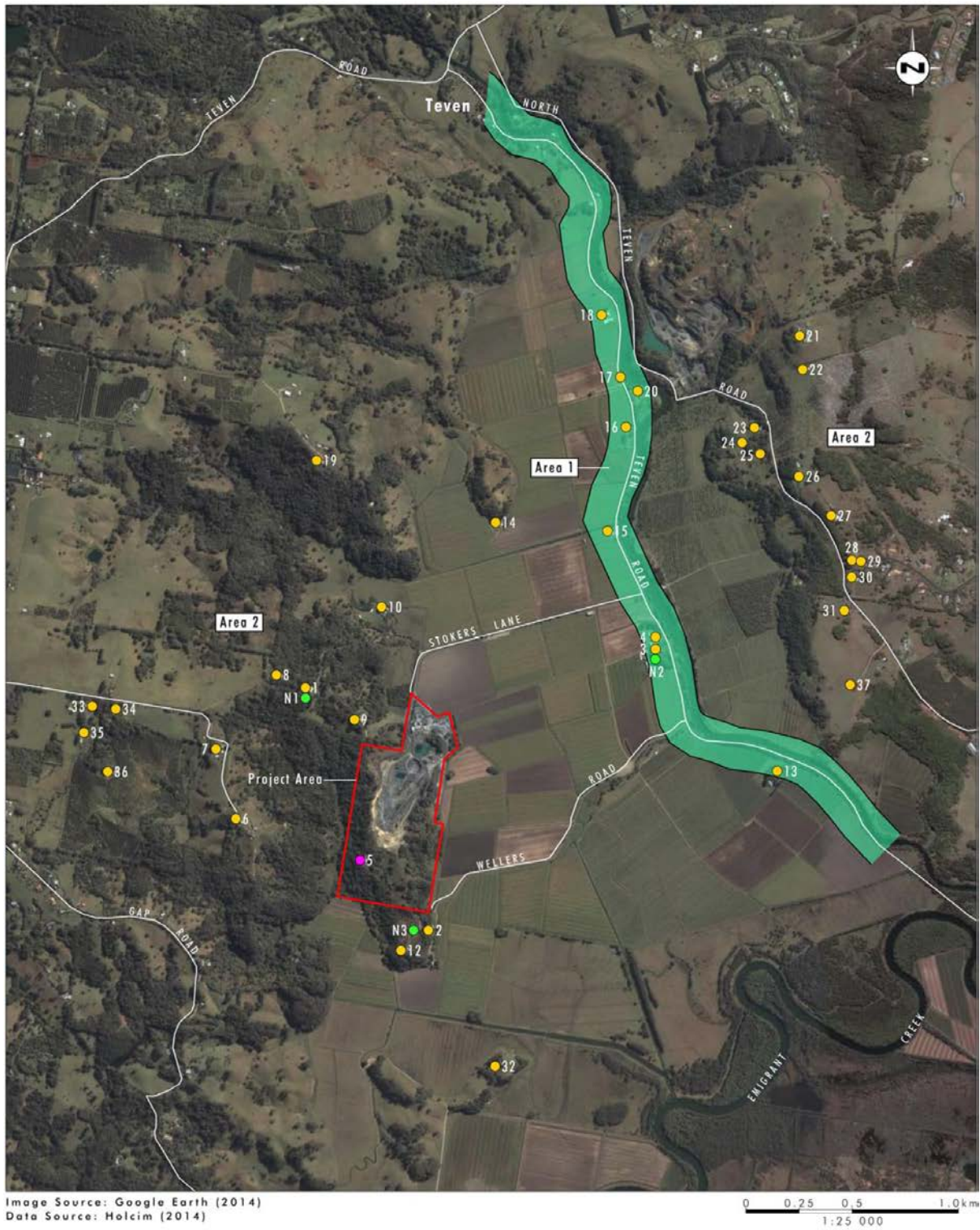
Rehabilitation

- 33 A detailed Quarry Closure Plan will be developed approximately three years prior to cessation of quarrying activities.
- 34 The revised EMP will detail the approach to rehabilitation of the Project, including the species to be used in revegetation works.
- 35 Where practicable, rehabilitation will be completed progressively as part of the ongoing development of the quarry.
- 36 Annual inspections of rehabilitated areas will be undertaken over the life of the Project to assist in guiding rehabilitation practice.

Community Engagement

- 37 Holcim Australia will establish and operate a Community Consultative Committee for the Project in accordance with the *Guidelines for Establishing and Operating Community Consultative Committees For Mining Developments* (Department of Planning 2007).
- 38 Holcim Australia will operate a Community Line for Teven Quarry for the life of the Project.

APPENDIX 4: NOISE RECEIVER LOCATION PLAN



Legend

- Project Area
- Residential Receiver Location
- Subject to Commercial Agreement Receiver Location
- Noise Monitoring Location

FIGURE 7.6
 Sensitive Receivers and
 Noise Monitoring Locations

APPENDIX 5 NOISE COMPLIANCE ASSESSMENT

Applicable Meteorological Conditions

1. The noise criteria in Table 2 in Schedule 3 are to apply under all meteorological conditions except the following:
 - (a) wind speeds greater than 3 m/s at 10 m above ground level; or
 - (b) temperature inversion conditions between 1.5°C and 3°C/100 m and wind speed greater than 2 m/s at 10 m above ground level; or
 - (c) temperature inversion conditions greater than 3°C/100 m.

Determination of Meteorological Conditions

2. Except for wind speed at microphone height, the data to be used for determining meteorological conditions shall be that recorded by the meteorological station required under condition 14 of Schedule 3.

Compliance Monitoring

3. Unless otherwise directed by the Secretary, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of this consent.

Note: The Secretary may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.

4. Unless the Secretary agrees otherwise, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the *NSW Industrial Noise Policy* (as amended from time to time), in particular the requirements relating to:
 - (a) monitoring locations for the collection of representative noise data;
 - (b) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment;
 - (c) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration; and
 - (d) the use of an appropriate modifying factor for low frequency noise to be applied during compliance testing at any individual residence if low frequency noise is present (in accordance with the INP) and before comparison with the specified noise levels in the consent.