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Bringelly Brickworks

Environmental Management Strategy

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GLOSSARY AND ABBREVIATIONS

AHD	Australian Height Datum
BCB	Boral CSR Bricks Pty Ltd, previous Joint Venture now trading as PGH Bricks & Pavers
Boral	Boral Bricks Pty Limited
CCC	Community Consultative Committee
CoA	Conditions of Approval for SSD_5684, including Modification 1
CSR	CSR Limited
DP&E	Department of Planning & Environment
DPIE	Department of Planning, Industry & Environment
ECT	Environmental Compliance Tracker
EIS	Environmental Impact Statement
EMS	Environmental Management Strategy
EP&A Act	Environmental Planning and Assessment Act 1979
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence
PIRMP	Pollution Incident Response Management Plan
POEO Act	Protection of the Environment Operations Act 1997
PGH	PGH Bricks and Pavers Pty Limited
RTS	Response to Submissions
Secretary, the	The Secretary of the DP&E
SSD	State Significant Development
State and Regional Development SEPP	State Environmental Planning Policy (State and Regional Development) 2011

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1 INTRODUCTION

1.1 Background

Bringelly Brickworks (the facility) is a clay/shale quarry and brick making facility located at 60 Greendale Road, Bringelly, on Lot 100 in DP 1203966 and comprises an area of approximately 385.55 hectares (refer Figure 1) in the Camden Local Government Area. The facility has been in operation since 1968, and in its original form it had the capacity to process approximately 51,500 tonnes of bricks per annum.

In 1991, Boral Bricks (NSW) Pty Limited undertook to upgrade the facility with new technology and increase production to ensure the continued economic viability of the site due to the age of the manufacturing plant and machinery. The Council of the Municipality of Camden, as the approving authority at the time, approved the Development Application on 13 September 1991 (Council ref. DA 91/1194). From 1991 until 2013, the Bringelly Brickworks facility operated under this approval, which permitted (among other things) quarry extraction up to 200,000 tonnes per annum, the receipt of up to 96,000 tonnes of supplementary materials and brick production up to 160,000 tonnes per annum.

In 2013, Boral Bricks Pty Limited (Boral) prepared an Environmental Impact Statement (EIS) to assess the environmental impacts of an increase in production at the facility and continued extraction of the quarry to meet the anticipated demand for its brick products ('Bringelly Brickworks Extension Project', Application No. SSD_5684). The project was determined to be State Significant Development (SSD) under Part 4, Division 4.1 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) and Clause 8 *State Environmental Planning Policy (State and Regional Development) 2011* (State and Regional Development SEPP).

The EIS was publicly exhibited from 6 November 2013 to 9 December 2013. The then Department of Planning & Environment received 12 submissions during this period, including 11 from public authorities and 1 submission from the general public who objected to the project due to its potential impacts. While none of the government authorities objected to the project, most raised concerns about its potential impacts and/or made recommendations for managing these impacts.

Boral prepared and submitted an initial Response to Submissions (RTS) to the DP&E in February 2014. However, following receipt of the RTS, DPIE received further correspondence from 7 public authorities which necessitated further consultation between Boral, DPIE and the relevant government authorities.

The additional consultation was resolved and in February 2015 DP&E finalised their Environmental Assessment Report and the Bringelly Brickworks Extension Project was approved with conditions on 3 March 2015.

On 1 May 2015, CSR Limited (CSR) and Boral Limited (Boral) formally completed the establishment of a joint venture for operations located in New South Wales, Victoria, Queensland, South Australia, Tasmania and the ACT. Ownership of Bringelly Brickworks (including quarrying activities) was transferred to the joint venture Boral CSR Bricks Pty Ltd (BCB), trading as PGH Bricks & Pavers. PGH Bricks & Pavers (PGH) is the controlling entity of the facility and responsible for implementing the Environmental Management Strategy of the



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site. On 31 October 2016 CSR agreed to acquire Boral’s interest in BCB, therefore resulting in CSR owning 100% of PGH.

Since Project Approval, the type of bricks demanded by the market have changed and Boral Bricks withdrew from the site. These two critical factors necessitated PGH to review its manufacturing requirements to ensure the most efficient use of all the resources available. To manufacture the bricks demanded by the market, the type, composition and quantity of the raw materials to be imported to Bringelly Brickworks was reconsidered because the type of raw materials required could not be solely extracted from the Bringelly quarry. PGH therefore applied to DP&E to modify SSD_5684 under Section 96(1A) of the *Environmental Planning and Assessment Act 1979* (EP&A Act), to provide for an increased raw material import limit to 321,000 tonnes per annum (referred to as MOD1). MOD1 was approved by DP&E on 31 October 2016.

Bringelly Brick Works currently operates under DA 91/1194, however approval for State Significant Development (SSD 5684) was issued in March 2015 for the extension of the quarry and to upgrade ancillary infrastructure.

Schedule 2, Condition 9 of SSD 5684 requires PGH to surrender DA 91/1194 within 4 months of commencing development, as approved in SSD 5684.

In anticipation for the future surrender of DA 91/1194, draft management plans were prepared in accordance with SSD 5684 and submitted to the Department of Planning and Environment (DP&E) on 21 February 2017 for comment. Consultation regarding these plans is ongoing and included in an *Annexure: Consultation*.

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1.2 Site Location and Overview

The project site is currently used for quarrying, brick production and associated activities. The brickworks and quarry are located on an approximately 385.55 hectare property owned by PGH, which is located at 60 Greendale Road, within the Camden local government area and is approximately 55 km southwest of the Sydney central business district (refer to Figure 1).

The brick making facility along with various administration buildings, a finished brick storage yard, staff car park and internal road network is generally contained within the northern part of the project site (refer to Figure 2), and is set back approximately 200 m from Greendale Road.

Existing quarrying activities have substantially altered the natural landform, with various voids and elevated stockpiles present in the active, north-western part of the project site. Other significant landforms on the site include the raw material stockpiles to the south of the brickworks, as well as unusable materials stockpiles along the western boundary of the site. The underlying topography of the operational footprint on the project site is relatively flat, and the land slopes to the south toward Thompsons Creek. The southern portion of the project site, adjacent to Thompsons Creek, is leased for the agistment of stock and grazing.

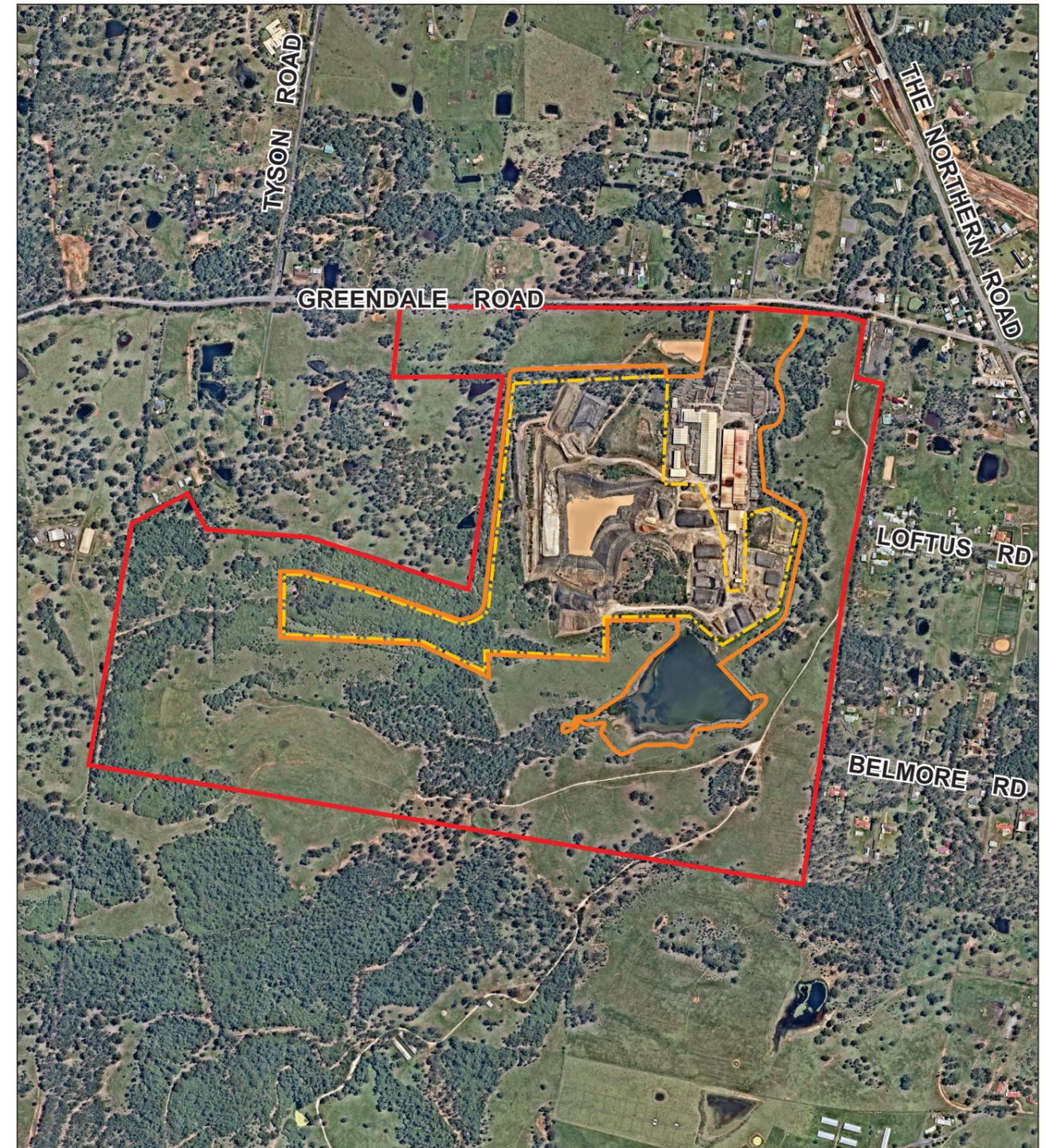
Plan of:	Bringelly Clay Mine Environmental Management System - Site Location	Location:	Bringelly Clay Mine Off Greendale Road, Bringelly, NSW	Source:	nearmap - Image Date 12/01/2019 & Google Maps 2019	Our Ref:	8006_BR_EMS_C001_V0_F1.cdr
Figure:	ONE	Council:	Camden Council	Survey:	N/A	Plan By:	JD
Sheet:	1 of 1	Tenure:	ML 1731	Projection:	N/A	Project Manager:	LT
Version/Date:	V0 11/09/2019	Client:	PGH Bricks & Pavers Pty Ltd	Contour Interval:	N/A	Office:	Thornton

This figure may be based on third party data which has not been verified by vgt and may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and vgt does not warrant its accuracy.





Approx Scale: 0 5 10km

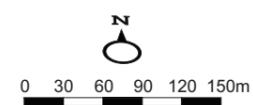


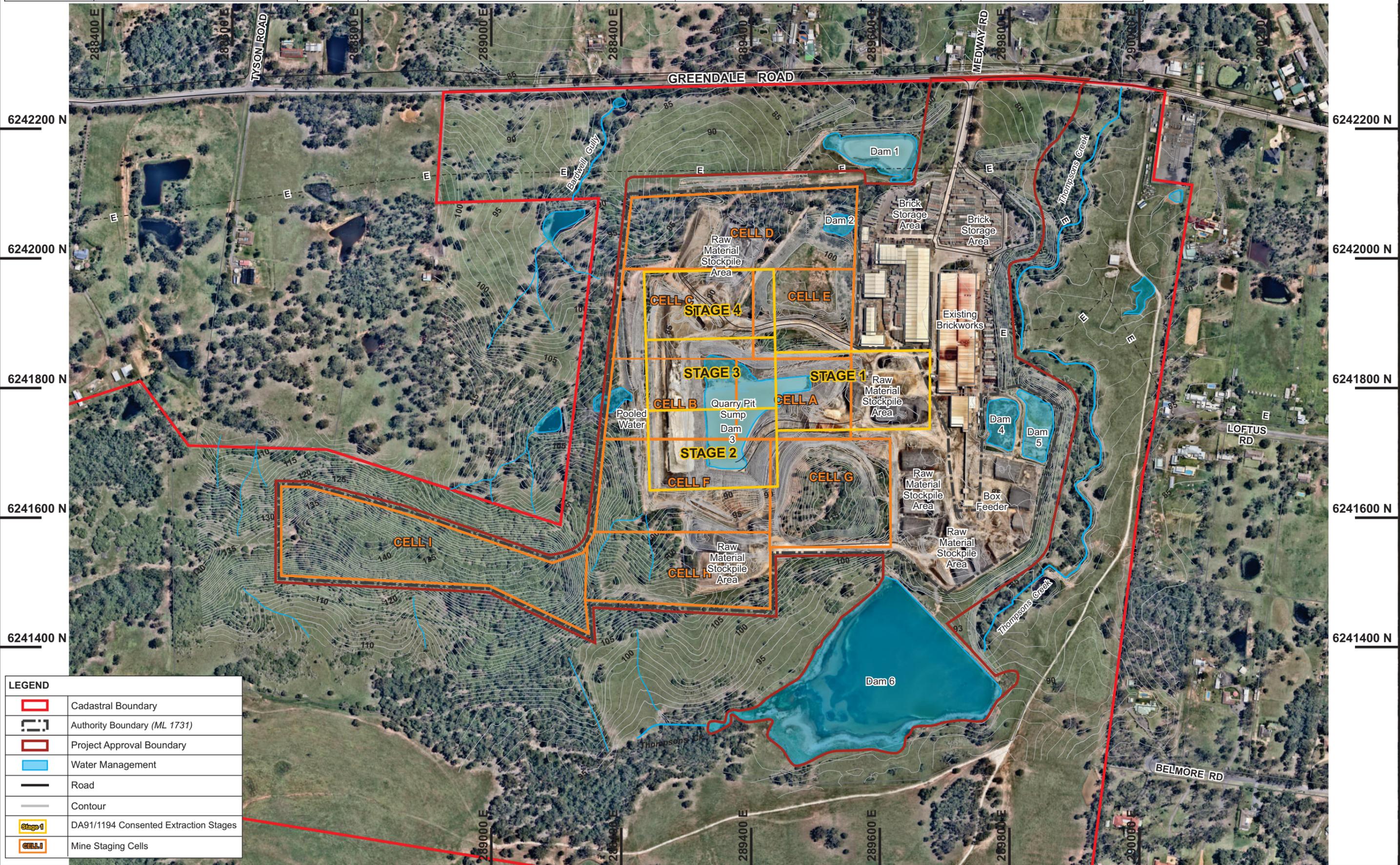
Approx Scale: 0 250m

- Legend**
- Cadastral Boundary
 - Project Approval Boundary
 - Authority Boundary (ML 1731)

Plan of:	Bringelly Clay Mine Environmental Management System - Site Layout	Location:	Bringelly Clay Mine Off Greendale Road, Bringelly, NSW	Source:	Photomapping 2015 & nearmap - Image Date 12/01/2019	Our Ref:	8006_BR_EMS_C002_V0_F2.cdr
Figure:	TWO	Council:	Camden Council	Survey:	Photomapping 2015	Plan By:	TO/JD
Sheet:	1 of 1	Tenure:	ML 1731	Projection:	MGA	Project Manager:	LT
Version/Date:	V0 10/09/2019	Client:	PGH Bricks & Pavers Pty Ltd	Contour Interval:	1m	Office:	Thornton

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LEGEND	
	Cadastral Boundary
	Authority Boundary (ML 1731)
	Project Approval Boundary
	Water Management
	Road
	Contour
	DA91/1194 Consented Extraction Stages
	Mine Staging Cells

Plan of:	Bringelly Clay Mine Environmental Management System - Monitoring Locations	Location:	Bringelly Clay Mine Off Greendale Road, Bringelly, NSW	Source:	Photomapping 2015 & nearmap - Image Date 12/01/2019	Our Ref:	8006_BR_EMS_C003_V0_F3.cdr
Figure:	THREE	Council:	Camden Council	Survey:	Photomapping 2015	Plan By:	TO/JD
Sheet:	1 of 1	Tenure:	ML 1731	Projection:	MGA	Project Manager:	LT
Version/Date:	V0 16/09/2019	Client:	PGH Bricks & Pavers Pty Ltd	Contour Interval:	1m	Office:	Thornton

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LEGEND	
Feature/Domain	
	Cadastral Boundary
	Project Approval Boundary
	Major/Minor Road
	Contour
	Transmission Line
	Surface Water Monitoring Location
	Groundwater Monitoring Location
	Dust Deposition Gauge Location
	High Volume Air Sampler
	Weather Station Location
	Weather Station Console Location
Mining Tenement	
	Authority Boundary (ML 1731)

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1.3 EMS Context

The purpose of this Environmental Management Strategy (EMS) is to ensure a consistent, structured approach to the management of environmental matters taking into consideration PGH’s Environmental Management Standards and the development approvals, permits and licences that are specific to Bringelly Brickworks.

This EMS and associated management plans have been prepared in compliance with the Conditions of Approval (CoA) issued for SSD Application No. SSD_5684 (Appendix A) to demonstrate the strategic framework for the environmental management of the facility.

The EMS is applicable to all staff and sub-contractors associated with the lifecycle of the facility.

This EMS has been prepared in accordance with:

- Bringelly Brickworks and Quarry Expansion Environmental Impact Statement (5 September 2013);
- ‘Section 96(1A) Modification Supporting Information’, (August 2016, Element Environment) and Response to Submissions, September 2016;
- Bringelly Brickworks Extension Project (SSD_5684) Conditions of Approval Mod 1, October 2016;

The EMS addresses the specific requirements of the CoA as outlined in Table 1.

Table 1. Project Approval Conditions Cross-reference

CoA no.	Requirement	Reference
Schedule 5, Condition 1	If the Secretary requires, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:	This Plan
(a)	be submitted to the Secretary for approval within 6 months of the Secretary requiring preparation of the strategy by notice to the Applicant;	
(b)	provide the strategic framework for the environmental management of the development;	Section 2
(c)	identify the statutory approvals that apply to the development;	Section 4
(d)	describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;	Section 2.5
(e)	describe the procedures that would be implemented to:	
	<ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the development; 	Section 8
	<ul style="list-style-type: none"> • receive, handle, respond to, and record complaints; 	Section 8.2
	<ul style="list-style-type: none"> • resolve any disputes that may arise during the course of the development; 	Section 8.3
	<ul style="list-style-type: none"> • respond to any non-compliance; and 	Section 8.1
	<ul style="list-style-type: none"> • respond to emergencies. 	Section 9, Appendix F, Appendix G
(f)	include:	
	<ul style="list-style-type: none"> • copies of any strategies, plans and programs approved under the conditions of this development consent; and 	Refer Management Plans

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CoA no.	Requirement	Reference
	<ul style="list-style-type: none"> a clear plan depicting all the monitoring required to be carried out under the conditions of this consent. <p>The Applicant must implement any Environmental Management Strategy as approved from time to time by the Secretary.</p>	Figure 3
Schedule 5, Condition 5	Within 3 months of the submission of an:	Section 10
(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 must 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.	

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2 ENVIRONMENTAL MANAGEMENT SYSTEM STRUCTURE

The EMS consists of this main document plus a series of environmental management sub-plans as outlined below:

- Noise Management Plan (NMP)
- Air Quality and Greenhouse Gas Management Plan (AQMP)
- Transport Management Plan (TMP)
- Water Management Plan (SWMP)
- Groundwater Management Plan (GWMP)
- Heritage Management Plan (HMP)
- Rehabilitation Management Plan (RMP)
- Biodiversity Management Plan (BMP)
- Emergency Management Response Plan (PIRMP)

The sub plans form appendices to the EMS and these documents provide detailed strategies for the planning, implementation, operation, inspection and monitoring requirements for a range of specific environmental issues. Once approved, all documents will be available from a publically available website.

2.1 Overview of PGH Bricks & Pavers Environmental Management System

There are three primary drivers behind the establishment and implementation of the businesses environmental management system.

PROTECT THE ENVIRONMENT

To enable the environment to be effectively managed across a large, diverse organisation so that environmental impacts are avoided or minimised and a structured approach is provided to manage environmental issues, ensuring they are well understood and mitigated effectively.

OPERATE WITHIN THE LAW AND MEET CORPORATE OBJECTIVES.

To be clear about the legislative requirements in the jurisdictions in which it operates, PGH implements regular reviews of all Acts, Regulations, Codes of Practice, Standards and Guidance notes.

ENSURE PEOPLE KNOW THEIR ENVIRONMENTAL RESPONSIBILITIES AND HOW THEY ARE TO BE MET

To establish confidence that PGH personnel have implemented and/or are working to specified environmental requirements, PGH conduct regular environmental audits of operations/sites. Environmental audits conducted use the ISO14001 standard in all large site audits in Australia and New Zealand or, if applicable, against a site’s specific licence requirements. Smaller sites are audited against specific legal requirements. In addition, various government authorities have the power to audit sites.

The Environmental Management Standards have been developed to bring these three drivers together.

The Environmental Management Standards provide an umbrella document for all other environmental documentation produced within PGH (refer Figure 4). Although hierarchical,

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the intent is to avoid duplication. Business units and sites are encouraged to use procedures and forms from higher levels where they exist. If, however, a local version is developed, any procedures, forms or systems produced must meet and support the requirements of those of higher levels.

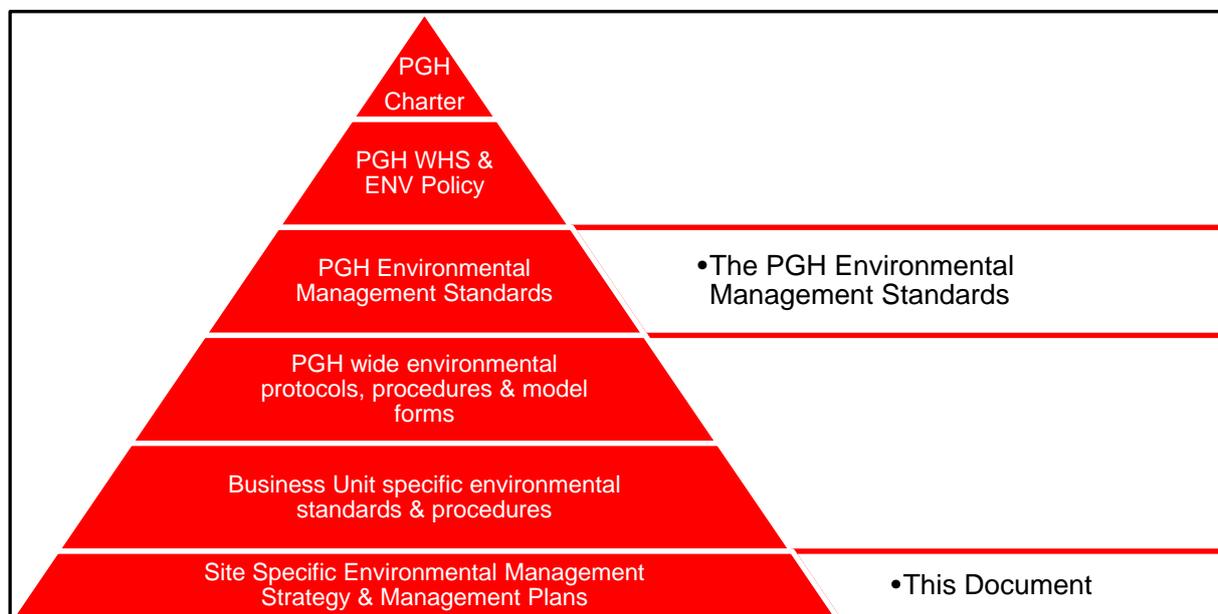


Figure 4. PGH Environmental Management System

2.2 Environmental Management Strategy Approval

This EMS must be endorsed by the facility’s Plant Manager and National Workplace Health, Safety and Environmental Manager prior to submission to the Secretary of the DPIE.

All stakeholder and government agency consultation associated with the review of management plans identified in this plan is provided in a Consultation Annexure. If the Secretary requires, this EMS is to be submitted to the Secretary for approval within 6 months of the Secretary requiring preparation of the strategy, by notice to PGH.

2.3 Objectives and Targets

Environmental objectives and targets have been established as a means of assessing environmental performance during the lifecycle of the facility. These objectives and targets have been developed with consideration of the key issues identified through the environmental assessment and risk assessment process. The objectives and targets are consistent with PGH’s WHSE Policy and will assist in monitoring whether the policy commitments are being met.

The performance of the development against the objectives and targets will be measured in regular reporting requirements and documented as part of the annual management review.

The overarching environmental objectives and targets for the facility are provided in Table 2. More detailed objectives and targets are identified in the relevant environmental management plans.

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Table 2. Environmental Objectives and Targets

Objective	Measurement	Target
Commence the implementation of development stages in accordance with environmental approvals.	Audits, regular reporting and annual management reviews.	Full compliance with statutory approvals.
Compliance with all legal requirements.	Audits, regular reporting and annual management reviews.	No regulatory infringements (PINs or prosecutions). No formal regulatory warning.
Engage with the affected community, minimise complaints and respond to any complaints within a suitable timeframe.	Review complaints register, regular reporting and audits.	All complaints responded to within the timeframes stipulated in this EMS. No complaints registered with DP&E or EPA.
Continuously improve environmental performance.	Audits, regular reporting and annual management reviews.	No regulatory infringements (PINs or prosecutions). No formal regulatory warning.

2.4 Facility Environmental Obligations

All personnel working at the facility have the following environmental obligations:

- minimise pollution of land, air and water;
- use pollution control equipment and keep it in proper working order;
- preserve the natural and cultural heritage environment;
- give notice to relevant authorities of a non-Aboriginal or Aboriginal heritage discovery;
- minimise the occurrence of offensive noise;
- be a good neighbour to surrounding land users;
- keep the community informed of development milestones, upcoming activities and duration of relevant aspects of the works; and
- take all feasible and reasonable steps to ensure compliance with the requirements of the EMS and associated management plans.

2.5 Resources, roles and responsibilities

The key environmental management roles and responsibilities for the facility are described in the following sections. The organisational structure of those roles that have environmental management responsibilities is presented in Figure 5.

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Figure 5. Organisational Chart of Environmental Responsibilities

2.5.1 General Manager

The environmental responsibilities of the General Manager involve the provision of adequate resources (personnel, financial and technological) to ensure effective development, implementation and maintenance of this EMS.

2.5.2 Plant Manager and National Raw Materials Manager

The environmental responsibilities of the Plant Manager cover the brickmaking and related transportation operations, and the National Raw Materials Manager is responsible for quarrying related operations, including:

- Overall responsibility for the management of environmental aspects of the facility;
- Ensure all works comply with relevant regulatory and statutory requirements;
- Endorse and support the WHSE Policy;
- Plan operational works in a manner that avoids or minimises impacts to the environment;
- Ensure the requirements of this EMS are fully implemented;
- Ensure personnel manage activities in accordance with statutory and approval requirements;
- Ensure that all relevant personnel receive appropriate induction training, including details of the environmental and community requirements;
- Ensure that complaints are investigated to ensure effective resolution;
- Ensure environmental management procedures and protection measures are implemented;
- Report immediately, any activity that has resulted, or has the potential to result in an environmental incident;
- Oversee site environmental monitoring, inspections and internal audits;

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- Undertake site inspections, carry out monitoring activities and complete site inspections checklists;
- Liaise with government authorities as required; and
- Stop work immediately where there is an actual or potential risk of harm to the environment.

2.5.3 Production Manager and Raw Materials Supervisor

The environmental responsibilities of the Production Manager (brickworks) and Raw Materials Supervisor (quarrying) include:

- Assist the Plant Manager / Raw Materials Manager with the implementation of all environmental management responsibilities;
- Communicate with all personnel and contractors regarding compliance with the EMS and site-specific environmental issues;
- Co-ordinate the implementation of the EMS;
- Co-ordinate the implementation and maintenance of pollution control measures;
- Undertake site inspections, carry out monitoring activities and complete site inspections checklists;
- Advise on the day-to-day environmental elements of operations;
- Co-ordinate actions in emergency situations and allocate required resources; and
- Stop activities where there is an actual or potential risk of harm to the environment and advise the Plant Manager / Raw Materials Manager.

2.5.4 National Workplace Health, Safety & Environmental Manager

The environmental responsibilities of the National Workplace Health, Safety & Environmental Manager include:

- Assist in development, monitoring and updating of the EMS and associated plans;
- Report to General Manager on the performance and implementation of the EMS;
- Ensure management reviews of the EMS are undertaken annually, documented and actions implemented;
- Identify where environmental measures are not meeting the set targets and where improvement can be achieved;
- Ensure environmental protocols are in place and managed;
- Assist in achieving environmental compliance;
- Obtain and update all environmental licences, approvals and permits as required;
- Manage environmental document control, reporting and training;
- Prepare and/or distribute environment awareness notes;
- Review and approve Erosion & Sediment Control Plans;
- Develop induction, toolbox talks and other training programs regarding environmental requirements for all relevant site personnel;
- Notify relevant authorities in the event of an environmental incident and manage close-out of these;

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- Stop activities where there is actual or potential risk of harm to the environment or to prevent an environmental non-conformance and advise the General Manager, Plant Manager and Production Manager; and
- Assist the Plant Manager / Raw Materials Manager to resolve environment-related complaints.

2.5.5 National Environmental Manager

The environmental responsibilities of the National Environmental Manager include:

- Assist in preparing the EMS (including any future revisions);
- Develop Erosion & Sediment Control Plans in consultation with the Production Manager and other relevant site personnel, as required;
- Ensure monitoring records are appropriately maintained, reviewed and any non-compliance issues addressed;
- Record and provide written reports of non-conformances with the EMS or corrective actions required, to the National Workplace Health, Safety & Environmental Manager. This may include the need to implement additional measures or revise existing measures;
- Assist in identifying environmental risks;
- Advise the National Workplace Health, Safety & Environmental Manager, Plant Manager and/or Raw Materials Manager of the need to stop work if there is the potential for an unacceptable impact on the environment;
- Advise the Plant Manager, Raw Materials Manager or site staff to take reasonable steps to avoid or minimise impacts;
- Advise site staff on issues concerning development environmental matters;
- Assist in developing training programs regarding environmental requirements and deliver the environmental component of toolbox talks; and
- Stop activities where there is an actual or immediate risk of harm to the environment and advise the General Manager, Plant Manager, Production Manager, Raw Materials Manager, Raw Materials Supervisor and National Workplace Health, Safety & Environmental Manager.

2.6 Contractor management

All relevant contractors are required to attend a site induction (section 7.1) where the requirements and obligations of the EMS and associated management plans are communicated. A record of all contractor inductions will be maintained as part of the induction and training register.

Contractor's performance will be monitored to assess:

- Contractor general work practices;
- The effectiveness of contractor environmental protection measures;
- Contractor compliance with the requirements of this EMS and associated management plans, strategies and codes; and
- The maintenance of environmental measures.

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3 APPROVED DEVELOPMENT

The key components of the Bringelly Brickworks Extension Project are reproduced in Table 3.

Table 3. Key Components of the Project

Aspect	Summary
Project Summary	<ul style="list-style-type: none"> Expanding the existing extraction area and continuing brick making activities; Extracting up to 200,000 tonnes of clay/shale material a year; Importation of up to 321,000 tonnes of raw materials for brick making a year; Producing up to 263,500 tonnes of bricks a year; Handling, packaging, storing and transporting bricks by road; Exporting saleable overburden and spoil from the site; Constructing a new access driveway and 2 noise bunds; Upgrading and augmenting existing ancillary infrastructure; and Progressively rehabilitating the site.
Project Life	To 2045
Total Resource	7.98 million tonnes (Mt)
Quarry Pit	<ul style="list-style-type: none"> 30.65 ha (compared with 9.9 ha under existing operations). Maximum depth of 46 m Australian Height Datum (AHD) (compared with 56 m AHD under existing operations).
Extraction Method	No change. Ripping and excavating with dozer (no blasting proposed).
Quarry Campaigns	Three 44-day campaigns a year (compared with two 25-day campaigns a year under existing operations).
Extraction Staging	<ul style="list-style-type: none"> Stage 1 – 1.75 Mt (cells A, B, C – deepening the existing extraction area by 10m); Stage 2 – 2.27 Mt (cells D, E, F); and Stage 3 – 3.96 Mt (cells G, H, I). <p>Stage 1 would continue for about 9 years. The timing of stage 2 and 3 would depend on consumer demand.</p>
Imported Materials	Up to 321,000 tonnes of clay, shale and non-clay materials a year.
Brick Production	Up to 263,500 tonnes a year (compared with 160,000 tonnes a year under existing operations).
Brick Making	No change. Existing machinery and equipment would be used, including clay preparation equipment (crusher and grinder), brick forming and handling equipment, gas-fired kiln, brick dryer and brick unloading machine.
Product Transport	No change. Bricks would continue to be transported via Greendale Road (east of the project site) and The Northern Road, with up to 88 laden trucks to be dispatched per day.
Hours of Operation	No change. Extraction and transport: 6 am to 6 pm Monday to Friday, 6 am to 1 pm Saturday. Brick making and processing: 24 hours a day, 7 days a week.
Employment	76 full time employees and 10 contractors employed during quarrying campaigns.
Infrastructure	<p>Upgrade ancillary infrastructure including:</p> <ul style="list-style-type: none"> small extensions to the clay preparation building and brick manufacturing plant; a new site access road from Greendale Road to the gatehouse in the north eastern corner of the site (140 m east of the existing site access road); two new recycled water storage tanks (maximum capacity of 50,000 L); upgrade of the existing bio-cycle sewage treatment plant; and two new noise bunds, one adjacent to the northern boundary of the extraction area, the other adjacent to Greendale Road.
Overburden	About 5.6 million tonnes of overburden would be generated. 35,500 tonnes would be used to construct the proposed noise bunds, and the remaining overburden would be used to progressively backfill the quarry void, or sold as clean fill for construction use.



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Aspect	Summary
Water Management	<ul style="list-style-type: none"> Brick production would require up to 23.7 megalitres (ML) of potable water, which would be sourced from Sydney Water via existing water mains. Upgrade the existing water management system, which would have a total capacity of 441.87 ML.
Biodiversity Offset	Clearance of 1.16 ha of mapped Existing Native Vegetation (ENV) would be offset in accordance with the Biodiversity Certification Order conferred on the Growth Centres SEPP through establishing a 1.93 ha on-site offset area.
Rehabilitation	Rehabilitate the site to enable maximum flexibility for a land use consistent with the Growth Centres SEPP.

3.1 Quarrying and Brickmaking Operations

The facility has approval to carry out quarrying and brick making operations until 1 March 2045. PGH is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary of the DP&E (the Secretary). Therefore, activities under SSD_5684 may continue to apply beyond 1 March 2045, with the exception of quarrying activities, until the rehabilitation of the site and other undertakings have been carried out to the satisfaction of the Secretary.

3.2 Production Limits

The facility's production limitations are stipulated in SSD_5684. According to these production limitations, the facility must not:

- Extract more than 200,000 tonnes of clay/shale from the site in any calendar year;
- Produce more than 263,500 tonnes of bricks at the site in any calendar year;
- Carry out quarrying operations beyond 46 m AHD; and
- Receive more than 321,000 tonnes of raw materials required for brick making to the site in any calendar year.

3.3 Transportation Limits

The facility's transportation limitations are stipulated in SSD_5684. According to these transportation limitations, the facility must not:

- Transport more than 263,500 tonnes of bricks from the site in a calendar year;
- Receive more than 90 trucks to the site per day or more than 18 trucks per hour; and
- Dispatch more than 90 trucks from the site per day or more than 18 trucks per hour.

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3.4 Hours of Operations

PGH will comply with the following operating hours, as detailed in Schedule 3 condition 1 of SSD_5684.

Table 4. Operating Hours

Activity	Operating Hours
Quarrying operations Deliveries Dispatch of finished bricks	6am to 6pm, Monday to Friday 6am to 1pm, Saturday No activities on Sundays or Public Holidays
Brick making operations (except dispatch of finished bricks)	24 hours a day, 7 days a week
Construction activities	7am to 6pm, Monday to Friday 8am to 1pm, Saturday No construction to be undertaken on Sundays or Public Holidays

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4 STATUTORY APPROVALS

4.1 Environmental Legislation

The following legislation is relevant to the project:

- Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act);
- Environmental Planning and Assessment Act 1979 (EP&A Act);
- Water Management Act 2000;
- Protection of the Environment Operations Act 1997 (PoEOA);
- Protection of the Environment Operations (Clean Air) Regulation 2010;
- Biosecurity Act (2015);
- National Parks and Wildlife Act 1974 (NPW Act);
- Threatened Species Conservation Act 1995 (TSC Act);
- Native Vegetation Act 2003;
- Fisheries Management Act 1994;
- Contaminated Land Management Act 1997 (CLM Act);
- Roads Act 1993;
- Road Rules 2014;
- Mining Act 1992; and
- Local Government Act 1993.

4.2 Planning Instruments

The following planning instruments are relevant to the project:

- State Environmental Planning Policy (SEPP) (Major Development) 2005;
- SEPP (Mining, Petroleum Production and Extractive Industries) 2007;
- SEPP (Sydney Region Growth Centres) 2006;
- SEPP 33 Hazardous and Offensive Industries;
- SEPP 44 Koala Habitat Protection;
- SEPP 55 Remediation of Land;
- Liverpool Local Environmental Plan; and
- Camden Local Environmental Plan.

4.3 Permits and Licensing

The facility maintains a number of existing approvals, permits and licenses. All necessary licences, permits and approvals required for the facility will be obtained and maintained as required throughout its life.

4.3.1 Environmental Protection Licence 1808

The Environmental Protection Licence (EPL, Appendix B) requires the monitoring of the discharges to air through kiln stacks and discharges to water. The Stack is to be monitored at the kiln for hydrogen fluoride, nitrogen oxide and total solid particles. Water is monitored at Points 1 and Point 5 for oil and grease, pH and turbidity. Point 5 also requires conductivity to be monitored. There are also the following noise limits:

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L4 Noise limits

L4.1 Noise from the mobile plant must not exceed an LA10 (15 minute) noise emission criterion of 35 dB(A) at all times.

except as expressly provided by this licence.

L4.2 Noise from the premises must not exceed an LA10 (15 minute) noise emission criterion of 35 dB(A) at all times.

except as expressly provided by this licence.

L4.3 Noise from the premises is to be measured or computed at any point within 30 metres of the most affected residence to determine compliance with condition L4.1 and L4.2. 5dB(A) must be added if the noise is tonal or impulsive in character.

The EPA requires an Annual Return submitted electronically in the required format.

4.3.2 Mining Lease 1731

The site is subject to Mining Lease (ML) 1731, issued under the NSW Mining Act 1992. The ML requires the preparation of a Mining Operations Plan (MOP) that details how mining operations will be undertaken in such a way as to prevent or minimise harm to the environment. This MOP is reviewed annually in the Annual Review (section 10.1).

4.3.3 Water Licences

The site benefits from the licences and approvals outlined in Table 5. Conditions are included in Appendix D. Compliance against these conditions will be reported in the Annual Review (section 10.1).

Table 5. Water Access Licences and Works Approvals

Number	Description	Expiry	Water Source
10CA104657	80mm centrifugal pump for Irrigation for WAL 26259	20/04/2026	Hawkesbury and Lower Nepean Rivers Water Source
WAL 26259	Unregulated River 150.00 units	20/04/2026	Upper South Creek Mangement Zone
10CA104630	100mm centrifugal pump and Bywash Dam for WAL 26257 & 25987	18/06/2025	Hawkesbury and Lower Nepean Rivers Water Source
WAL26257	Domestic and Stock 6.50 units	18/06/2025	Upper South Creek Mangement Zone
WAL25987	Unregulated River 152.50 units	18/06/2025	Upper South Creek Mangement Zone
10BL605770	4 Monitoring Bores	Perpetuity	

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5 IMPLEMENTATION & OPERATION

In addition to meeting the specific performance measures and criteria established under the approval, PGH will implement all reasonable and feasible measures to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the project, and any rehabilitation required under the approval.

5.1 Environmental Aspects and Impacts Register

PGH have adopted a risk management approach to determining the severity and likelihood of an activity's impact on the environment and to prioritise its significance. This process considers potential regulatory and legal risks as well as taking into consideration the concerns of the community and other key stakeholders.

The objectives of the risk assessment are to:

- identify activities, events or outcomes that have the potential to adversely affect the local environment and/or human health/property;
- qualitatively evaluate and categorise each risk item;
- assess whether risks can be managed by environmental protection measures; and
- qualitatively evaluate residual risk after the implementation of environmental protection measures.

The Plant Manager (or delegate) will be responsible for maintaining a register of aspects and impacts in consultation with site personnel. This register is intended to be a "living document" which is updated with the changing environment of the development.

5.2 Management Plan Requirements

PGH will ensure that the management plans required under the approval are prepared in accordance with any relevant guidelines, and include:

- a) a summary of relevant background or baseline data;
- b) a description of:
 - the relevant statutory requirements (including and 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 to 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);

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- 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 project over time;
- g) a protocol for managing and reporting any:
 - incidents;
 - complaints; and
 - non-compliances with statutory requirements;
- h) a protocol for periodic review of the plan; and
- i) a document control table that includes version numbers, dates when the management plan was prepared and reviewed, names and positions of the person/s who prepared and reviewed the management plan, a description of any revisions made and the date of the Secretary's approval.

PGH will continue to apply existing management plans, strategies or monitoring programs approved prior to the approval of any modified plans, until the approval of a similar plan, strategy or program.

Where the conditions of approval require consultation with an identified party, PGH will:

- consult with the relevant party prior to submitting the subject document to the Secretary for approval; and
- provide details of the consultation undertaken within the relevant document or Annexure, including:
 - the outcome of that consultation, matters resolved and unresolved; and
 - details of any disagreement remaining between the party consulted and the operator and how any unresolved matters have been addressed.

5.3 Construction Environmental Management

All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the project, will be constructed in accordance with the Building Code of Australia. All demolition work will be carried out in accordance with the relevant Australian Standard, as may be updated from time to time.

All tanks and similar storage facilities except those used for water will be constructed and appropriately bunded in accordance with the relevant Australian Standards.

Storage handling and transportation of dangerous goods will be undertaken in accordance with Australian Standards and the Dangerous Goods Code, as may be updated from time to time.

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5.4 Operational Environmental Management

All plant and equipment used on the site, or to monitor the performance of the project, will be maintained and operated in a proper and efficient condition. Monitoring locations are given on Figure 3

5.4.1 Extraction Limitations

A registered surveyor will mark out the boundaries of the approved extraction areas within the development area. These boundaries will be marked on site using large pegs with high visibility markings and a written explanation as to what they represent (eg NE cnr Extension) prior to the commencement of quarrying in each extraction area. The co-ordinates will be added to the appropriate Figure in the Annual Review, and submitted to the Secretary.

5.4.2 Noise

PGH will ensure that the noise generated by the development does not exceed the criteria in Table 6 at any residence on privately-owned land. The controls and procedures regarding noise management for the development are included in the Noise Management Plan.

Table 6. Noise Criteria

Activity	Receiver	Day / Evening / Shoulder dB(A) LAeq(15min)	Night dB(A) LAeq(15min)	Night dB(A) LA1(max)
Brick making and quarrying	R1, R2	47	Not Applicable	
	R3, R4, R14	46		
	R15, R17	45		
	All other receivers	44		
Brick Making	All receivers	44	43	53
		dB(A) LA₁₀ (15 min)	dB(A) LA₁₀ (15 min)	dB(A) LA₁₀ (15 min)
Mobile Plant	30m from most affected residence	35	35	35
Premises	30m from most affected residence	35	35	35

PGH will manage noise generated during the construction of the new site access road and associated road alignment works, and the noise bund adjacent to Greendale Road, in accordance with the guidelines specified in Table 2 of the Interim Construction Noise Guideline. These management guidelines will apply to receivers 3 and 4.

PGH will:

- implement all reasonable and feasible mitigation measures to minimise construction, operational and road noise of the development;
- implement periods of respite during the construction of the new site access road and associated road alignment works, and the noise bund adjacent to Greendale Road;
- regularly assess noise monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the noise criteria;

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- (d) maintain the effectiveness of noise suppression equipment on plant and equipment on site;
- (e) minimise the noise impacts of the development during meteorological conditions under which the noise criteria in this consent do not apply; and
- (f) carry out regular noise monitoring to determine whether the development is complying with the relevant conditions of the consent.

5.4.3 Air Quality

PGH will manage air quality impacts to ensure that particulate matter emissions from the project do not cause exceedances of the criteria in Table 7 at any residence on privately owned land, and generally in accordance with the Air Quality and Greenhouse Gas Management Plan (AQMP). The AQMP outlines the purpose, methodology and expected outcomes of the dust and stack monitoring, as well as control and mitigation measures to be undertaken to achieve the objectives and targets. PGH will:

- (a) implement all reasonable and feasible measures to minimise the stack and dust emissions of the development;
- (b) minimise surface disturbance and maximise progressive rehabilitation;
- (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events; and
- (d) monitor and report on compliance with the relevant air quality conditions in the consent and EPL.

Table 7. Air Quality Criteria

Pollutant	Averaging Period	Criterion*
Total Suspended Particulates (TSP)	Annual	90 µg/m ³
Particulate Matter <10 µm (PM ₁₀)	Annual	30 µg/m ³
Particulate Matter <10 µm (PM ₁₀)	24 hour	50 µg/m ³
Deposited Dust	Annual	2 g/m ² /month (inc over background) 4 g/m ² /month (maximum)
Stack Emissions:		
Sulphur Dioxide	10 minute	712 µg/m ³
	1 hour	570 µg/m ³
	24 hour	228 µg/m ³
Nitrogen Dioxide	1 hour	246 µg/m ³
	Annual	62 µg/m ³
Nitrogen Oxides	N/A	2000 mg/m ³
Hydrogen Chloride	1 hour	0.14 mg/m ³
Total Solid Particles	N/A	100 mg/m ³
Hydrogen Fluoride	N/A	50 mg/m ³

* Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA.

Meteorological monitoring will be undertaken using an onsite weather station sited in accordance with the *Approved Methods for Sampling of Air Pollutants in New South Wales* and capable of continuous measurement of relevant conditions.

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5.4.4 Transport

PGH will keep accurate records of the:

- (a) tonnages of bricks transported from the site (monthly and annually);
- (b) amount of raw material imported to the site (monthly and annually); and
- (c) tonnages of each type of raw materials imported to the site (monthly and annually).

These records will be included in the Annual Review.

Sufficient parking will be available on-site for all development-related traffic, in accordance with Camden Council’s parking codes, as detailed in the Camden Development Control Plan, 2019. The Transport Management Plan, including the Drivers Code of Conduct, details how PGH will ensure that:

- (a) all development-related heavy vehicles enter and exit the site in a forward direction;
- (b) all laden vehicles entering or exiting the site have their loads covered (with the exception of vehicles carrying bricks);
- (c) all laden vehicles that have accessed the extraction and/or stockpile areas are cleaned of sand and other material that may fall on the road, before leaving the site;
- (d) all heavy vehicles exiting the site travel east of the site along Greendale Road to The Northern Road and/or Bringelly Road;
- (e) the dispatch of laden trucks is avoided during the peak drop-off and pick-up times at the Bringelly Public School to the greatest extent practicable, particularly prior to the upgrade of the Greendale Road/Bringelly Road intersection by RMS; and
- (f) no trucks queue at the entrance to the site before 6am.

5.4.5 Soil and Water

PGH will ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of operations to match its available water supply. A Site Water Balance has been calculated and will be updated in the Annual Review. All water discharges will comply with the limits in the EPL or Section 120 of the POEO Act.

Table 8. Surface Water Monitoring

ID	Description	Pollutants	Criteria	Frequency
EPL1	Dam 1	pH, conductivity, turbidity, oil & grease	6.5-8.5, NL, 150 NTU, 10mg/L	Weekly during discharge
EPL5	Dam 4	pH, conductivity, turbidity, oil & grease	6.5-8.5, 1450 µS/cm, 150 NTU, 10mg/L	<24 hrs prior to discharge
	Bardwell Gully	pH, conductivity, turbidity, oil & grease	Background	Monthly or prior to discharge
	Thompsons Creek Downstream	pH, conductivity, turbidity, oil & grease	Background	Monthly or prior to discharge

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ID	Description	Pollutants	Criteria	Frequency
	Thompsons Creek Upstream	pH, conductivity, turbidity, oil & grease	Background	Monthly or prior to discharge
	Dam 1 Discharge	pH, conductivity, turbidity, oil & grease	6.5-8.5, NL, 150 NTU, 10mg/L	Weekly during discharge
	Dam 3 Quarry Pit Sump	pH, conductivity, turbidity, oil & grease	6.5-8.5, NL, 150 NTU, 10mg/L	On occasion when required
	Dam 4	pH, conductivity, turbidity, oil & grease	6.5-8.5, 1450 μ S/cm, 150 NTU, 10mg/L	On occasion when required
	Dam 5	pH, conductivity, turbidity, oil & grease	6.5-8.5, 1450 μ S/cm, 150 NTU, 10mg/L	Weekly during discharge
	Dam 6 East	pH, conductivity, turbidity, oil & grease	6.5-8.5, 1450 μ S/cm, 150 NTU, 10mg/L	On occasion when required

Table 9. Groundwater Monitoring

ID	Parameter	Criteria	Frequency
GW01 – GW04	Depth below ground level	Change greater than 30% from background	Monthly
	pH, conductivity, ORP, DO, Turbidity, Fluoride, anions, cations, nutrients, dissolved metals, BTEX, TRH, PAH, Phenolics.	Change greater than 30% from background	Quarterly
Excavated pit	Visible water inflow	Visible or measureable flow rate	Monthly or when observed

5.4.6 Biodiversity and Rehabilitation

PGH will implement the Biodiversity Offset Strategy described in the EIS and detailed in the Biodiversity Management Plan to be prepared and submitted to the DPIE, OEH and Camden Council prior to undertaking quarrying operations in the extension area.

Within 2 years of notifying the Department of commencement of development, unless otherwise agreed with the Secretary, PGH will make suitable arrangements to provide appropriate long-term security for the offset area described in the EIS.

PGH will rehabilitate the site to the satisfaction of the Secretary in accordance with the objectives in Table 10.

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Table 10. Rehabilitation Objectives

Feature	Objectives
Site (as a whole)	Safe, stable and non-polluting. Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprised of local native species and habitat.
Surface infrastructure	To be decommissioned and removed (unless the Secretary agrees otherwise).
Final void	Minimise the size, depth and slope of the batters of the final void. Minimise the drainage catchment of the final void.
Quarry pit floor	Landscaped and revegetated using native flora species, above the anticipated final void water level.
Community	Ensure public safety

PGH will rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures will be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures will 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. Details of control measures and procedures are given in the Rehabilitation Management Plan which will be prepared prior to undertaking quarrying operations in the extension area and submitted to the Secretary, OEH, DRE, NRAR and Camden Council. A Final Landuse Options Plan will be developed for the site within 2 years of commencing operations under the SSD consent.

5.4.7 Heritage

PGH will manage identified heritage objects, previously unidentified heritage objects and the discovery of any human remains on site in accordance with the Heritage Management Plan (HMP). Ongoing consultation with Aboriginal stakeholders will be undertaken in accordance with the procedures outlined in section 8 and the HMP.

5.4.8 Visual Impacts

PGH will establish a vegetation screen on all external site bunds, as soon as practicable after their construction, to minimise visibility of site infrastructure from outside the development area. All reasonable and feasible measures will be undertaken to minimise the visual and off-site lighting impacts of the development. All external lighting will comply with AS4282:2019 Control of the obtrusive effects of outdoor lighting (or as updated).

5.4.9 Bushfire Management

PGH will ensure that the site is equipped to respond to any fires on site, and assist the Rural Fire Service, emergency services and National Parks and Wildlife Service as much as practicable if there is a fire in the surrounding area. The presence of a bushfire in the area will activate the PIRMP.

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5.4.10 Waste

PGH will ensure that any waste on the site is minimised, and any waste generated will be appropriately stored, handled and disposed of. Where relevant, a Resource Recovery Exemption will be obtained under the POEO Act. All on-site sewerage treatment and disposal will be operated, stored and transported in accordance with EPA and Camden Council requirements.

Waste management and minimisation will be reported upon in the Annual Review.

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6 INSPECTIONS, MONITORING AND AUDITING

6.1 Environmental Inspections

6.1.1 Monthly and post rainfall site inspections

The Plant Manager and/or Production Manager will undertake monthly inspections of the facility and after significant rainfall events to evaluate the effectiveness of environmental controls. Inspection findings will be recorded in an inspection checklist. If maintenance and/or deficiencies in environmental controls are observed, corrective actions will be recorded in the inspection checklist. Records will also include details of any maintenance required, the nature of the deficiency, any actions required and an implementation priority.

Environmental inspections will include as a minimum the following events:

- Spills of fuels, oils, chemicals and other hazardous materials;
- Unauthorised discharge from sediment basins or other containment devices;
- Unauthorised clearing or clearing beyond the extent of the identified disturbance areas;
- Inadequate installation and subsequent failure of temporary erosion and sediment controls;
- Unauthorised damage or interference to threatened species, endangered ecological communities or critical habitat;
- Unauthorised harm or desecration to Aboriginal objects and Aboriginal places;
- Unauthorised damage or destruction to any State or locally significant relic or Heritage item;
- Unauthorised dredging or reclamation works within a watercourse;
- Potential breaches of the Drivers Code of Conduct;
- Potential contamination of waterways or land;
- Accidental starting of a fire or a fire breaking out of containment;
- Any potential breach of legislation, including a potential breach of a condition of an EPL, CoA or any agency permit condition;
- Works undertaken without appropriate approval or assessment under the EP&A Act; and
- Unauthorised dumping of waste.

6.2 Environmental monitoring

The monitoring requirements of the CoA are listed in section 5.4 and addressed in the relevant environmental management plans. Any exceedances of environmental criteria will be immediately reported to the Secretary in accordance with section 8.1.

All environmental monitoring equipment shall be maintained and calibrated according to the manufacturer's specifications and appropriate records kept.

A summary of all monitoring results will be available on the website, tabled at CCC meetings, and provided in the Annual Review.

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6.3 Auditing and reporting

6.3.1 Internal audits

Internal audit requirements will be conducted on a risk-based approach, to verify compliance with:

- This EMS and associated management plans;
- CoA requirements; and
- Any relevant legal and other requirements (e.g. licenses, permits, regulations, contract documentation).

An audit checklist will be developed and amended as necessary to reflect changes to this EMS, subsequent approvals and changes to Acts, regulations or guidelines.

6.3.2 Independent external audits

Independent external auditing will be undertaken by an independent environment auditor in accordance with *ISO 19011:2003 - Guidelines for Quality and / or Environmental Management Systems Auditing*, as required by CoA Schedule 5, Condition 9. External auditing will be undertaken every three years, unless the Secretary directs otherwise, with the first audit being held within a year of commencing development under the SSD consent.

Table 11. Audit requirements

Audit Type	Requirement	Timing	Responsibility	Recipient
Internal audit	Verify compliance with CoA, EMS, legal requirements, permits and licences.	At planned intervals according to the PGH management review schedule.	National Workplace Health, Safety & Environmental Manager	Plant Manager
External independent audit	Verify compliance with CoA, EMS, legal requirements, permits and licences	First audit within a year from the date of SSD_5684; Every 3 years thereafter.	National Workplace Health, Safety & Environmental Manager	Plant Manager, DPIE

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7 COMPETENCE, TRAINING AND AWARENESS

To ensure that this EMS and associated management plans are effectively implemented, each level of PGH management is responsible for ensuring that all personnel reporting to them are aware of the requirements of this EMS.

7.1 Environmental induction

All personnel, including contractors, are required to attend a compulsory site induction that includes an environmental component prior to commencing work on-site. The Plant Manager (or delegate) will conduct the environmental component of the site induction. The environmental component will include an overview of:

- Relevant details of the EMS including purpose and objectives;
- Key environmental issues;
- Key conditions of environmental licences, permits and approvals;
- Specific environmental management requirements and responsibilities;
- Mitigation measures for the control of environmental issues;
- Adherence to the Drivers Code of Conduct, where relevant;
- Incident response and reporting requirements; and
- Information relating to the location of environmental constraints.

A record of all environment inductions will be maintained and kept on-site.

The Plant Manager may authorise amendments to the induction where required to address changing conditions on-site, legislative changes or amendments to this EMS or related documentation.

7.2 Toolbox talks, training and awareness

Toolbox talks will be used to raise awareness and educate personnel on environmental issues. The toolbox talks will be used to ensure environmental awareness continues during operations.

Toolbox talks will be tailored to specific environmental issues including:

- Erosion and sedimentation control;
- Hours of work;
- Emergency and spill response;
- Heritage;
- Threatened species, clearing controls and vegetation protection;
- Weed management;
- Noise;
- Housekeeping and waste;
- Development and clearing limits; and
- Dust control.

Targeted environmental awareness training will be provided to individuals or groups of workers with a specific authority or responsibility for environmental management or those undertaking an activity with a high risk of environmental impact.

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8 COMMUNICATION

8.1 Incidents and Non-Compliances

PGH will immediately notify the Planning Secretary (and any delegates or successors) using the contact details provided by the Department, the EPA, the DRG and any other relevant agencies of any exceedance of any monitoring criteria or any other incident. Within 7 days of the date of the incident, PGH will provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested. This report will include:

- The time and date of the incident,
- Details of the incident,
- Measures implemented, or to be implemented to ensure the event ceases and to prevent a re-occurrence, and
- Identify any non-compliance (including the condition and instrument breached) with:
 - conditions of approval SSD_5684,
 - EPA licence 1808,
 - Mining Lease 1731, or
 - WALs 25987, 26257, or 26259.
- Remediation options to be implemented and/or any other course of action taken or to be taken.

Where the incident relates to an exceedance of monitoring criteria, the results of the monitoring will be supplied to the affected landowners for the following three months as a minimum and until the results are again compliant. If the exceedance relates to an air quality criteria, the affected landowners and current tenants will be supplied with a copy of the NSW Health Fact Sheet “Mine Dust and You”. Where an incident involves an Aboriginal site, relevant Registered Aboriginal Parties will be notified and their input sought in closing out the incident.

Within 3 months of submission of the incident report, PGH will review the suitability of all strategies, plans and programs related to the incident. Where this review leads to revisions in any document, then within 6 weeks of the review the revised document will be submitted for the approval of the Secretary.

Incident Reports will be tabled at the next CCC meeting. Where the incident relates to dust, the CCC will be informed of the potential health-related impacts associated with dust.

PGH will maintain records relating to environmental incidents.

8.2 Complaints and enquires procedure

PGH will implement a Complaints and Feedback mechanism to track, manage, monitor and respond to feedback or complaints from the general public and/or specific stakeholders. This procedure will also cover how communication (such as suggestions for improvement) from community members will be handled.

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A phone number, email and postal addresses that are monitored 24 hours and 7 days (Appendix H) for the lodgement of feedback, inquiries, complaints or other communication will be available, and all impacted stakeholders will be informed of its existence via letter drop, personal communications, web page, signage and through the CCC. All feedback will be recorded, monitored and managed in accordance with the *Privacy and Data Protection Act*.

In the event that a complaint/feedback is received, details to be recorded, where volunteered by the complainant, will include:

- Type of complaint, eg noise, air quality, water quality, transport issues;
- Location of event;
- Time of event;
- Extent and duration of event;
- Any additional details they wish to offer;
- Name and contact details of complainant; and
- Whether or not they wish to be contacted directly regarding their issue.

The first action will be to determine whether an incident has occurred (Section 8.1) or if the PIRMP is to be activated (Appendix E). The complaint/feedback will then be recorded in the complaints register and logged in the internal on-line management system, WHSE Live, to allow actions to be tracked, monitored and recorded. This system allocates the task to the relevant officer, provides for alerts and reminders on outstanding or upcoming tasks, monitors actions and timing, and allows tracking of trends and improvement opportunities.

An investigation will follow, and actions will depend on the nature of the activity that generated the complaint. Responsibilities lie with the Raw Materials Supervisor for quarrying related activities or the Plant Manager for brickmaking and transport related activities, or escalated to the WHSE Manager if necessary.

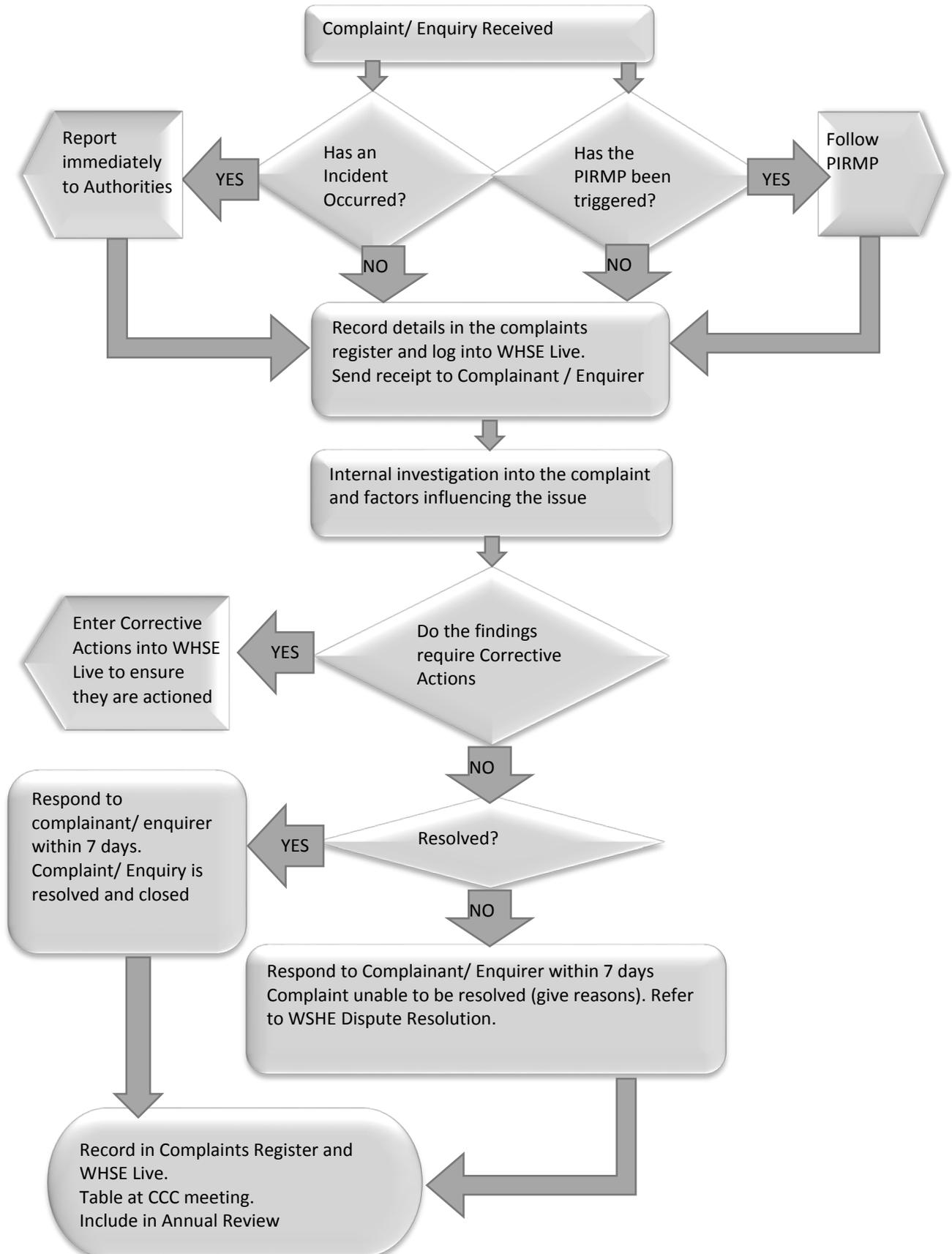
All parties involved in the complaint will be notified of the receipt of their complaint within 48 hours and contacted or consulted within seven business days. Urgent complaints will be addressed within 24 hours wherever possible. All complaints will be addressed and closed out with the complainants within a month of the initial date of submission of the complaint. Any corrective actions and other recommendations, including modifications to procedures, will be made and closed out under the direction of the Raw Material Supervisor, Plant Manager or WHSE Manager.

Details of all complaints, actions taken, and resolutions will be:

- Recorded in the complaints register and published monthly on the website;
- Tabled at the CCC meetings; and
- Included in the Annual Reviews.

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Figure 6. Flow Chart for Complaints, Enquiries and Feedback Handling



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8.3 Dispute Resolution

Where a dispute arises, such as a complaint that cannot be resolved, the following actions will be undertaken.

Where the dispute involves a member of the public and the complaints procedures have not resulted in a resolution, the details of the dispute will be tabled at the next CCC meeting. The member of the public will be invited to attend the meeting as a guest, and offered the opportunity to share their issue with the CCC. If the CCC cannot reach a resolution, the matter will be referred to the Secretary.

Where the dispute is with another government authority, the matter will be referred to the Secretary.

8.4 External and government authority consultation

The National Workplace Health, Safety & Environmental Manager (or delegate) will be the main point of contact for external and/or government authorities regarding environmental issues. Additionally, the National Workplace Health, Safety & Environmental Manager has the responsibility to report the ongoing environmental performance of the development to government authorities (e.g. EPA, DPIE, DRG, NRAR or successors).

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8.5 Stakeholder and community communication

8.5.1 Community Communication Strategy

A community and stakeholder communication strategy has been developed and identifies opportunities for providing information and consulting with the community and stakeholders during the operational lifetime of the facility. The approach encourages the following methods of communication as outlined in Table 12 below:

Table 12. Summary of Community Communication Methods

Methods for informing the community	Application	When
Website;	Provides all relevant details in order to receive, handle, respond to complaints or queries;	Visible at all times
Phone number, email and postal address	Advertised on signage, website, letterdrop and through the CCC. Provides opportunity for community and stakeholders to offer complaints, enquiries or feedback.	Monitored 24 hours and 7 days per week
Signage (at front of premises providing contact details);	Provides all relevant details (enquiry telephone number, email address postal address) in order to receive, handle, respond to complaints;	Visible at all times
Advertisements (in Local Media);	Keeps the local community informed about the operation and environmental performance of the development and about actions which may affect local residents.	As required
Letterbox drops;	Keeps the local community informed about the operation and environmental performance of the development and about actions which may affect local residents.	As required
Community Consultative Committee (CCC)	Keeps the local community and relevant agencies informed about the operation and environmental performance of the development; Opportunity to resolve any disputes that may arise during the course of the development;	As scheduled or required

8.5.2 Community Consultative Committee

PGH has established a Community Consultative Committee (CCC) for the facility in accordance with Schedule 5, Condition 6 of the CoA. This CCC will be operated in accordance with the *Guidelines for Establishing and Operating Community Consultative Committees for Mining Developments* (Appendix E).

The purpose of the CCC is to provide a forum for open discussion between representatives of the company, the community, local councils and key stakeholders on issues directly relating to the facility, including the facilities performance against the CoA. The CCC is able to discuss and assist the management team to resolve matters of environmental and social concern.

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The Committee shall comprise:

- An independent chairperson approved by the Secretary of the DP&E;
- Three to five community representatives from the following:
 - Neighbouring landowners potentially impacted by the brickworks extension and quarry;
 - Bringelly Public School;
 - Bringelly Sports Club; or
 - Bringelly Seniors Group.
- An indigenous representative;
- Two representatives from Camden Council;
- Representative of local Bringelly village businesses; and
- Two or three company representatives, including the person with direct managerial responsibility for environmental management and a minute taker.

The CCC will determine the frequency of meetings, however the Secretary suggests that the committee meet at least quarterly in the first two years of the extension project and thereafter twice yearly.

Additional information is available on the following website
<http://pghnswepa.pghbricks.com.au/>.

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9 EMERGENCIES

All incidents and emergencies will be managed in accordance with section 8.1 and the Pollution Incident Response Management Plan (PIRMP, Appendix F) as required by Environment Protection Licence (EPL) No. 1808. The procedure provides information on:

- Types of incidents;
- Criteria for classification of environmental incidents;
- Processes for systematically responding to and managing emergency situations; and
- Processes and legal requirements (e.g. Acts, Regulations, EPL) for the reporting and notification of an environmental incident.

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10 REVIEW AND IMPROVEMENT

10.1 Annual Review

By the end of September each year, management reviews are undertaken as part of the continual improvement process required by CoA Schedule 5, Condition 4.

The Annual Review will involve the executive management team. This review will be held every 12 months, will cover the financial year period, and will include a review of:

- The facility's activities (including rehabilitation) for the past year and consideration of the developments activities (including rehabilitation) planned for the next year;
- Descriptions of environmental management and mitigation measures, and their effectiveness;
- Consideration of monitoring, inspection and audit results;
- Comparison of results against statutory requirements, limits, performance measures, previous monitoring and relevant predictions;
- A summary of complaints and feedback, and the resulting actions undertaken;
- Identification of any non-compliances during the report period, and the resulting actions undertaken;
- Identify any trends in the monitoring data over the life of the development;
- Identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies;
- Describe what measures will be implemented over the current financial year to improve the environmental performance of the development;
- Annual quarry production data using a standard DRE form;
- Organisation changes; and
- Effectiveness of training and inductions.

The Annual Review will be submitted to the DPIE (in accordance with CoA Schedule 5, Condition 4), the DRE (in accordance with Condition 3 of ML1731), the Community Consultation Committee, and any other stakeholder that requests a copy.

10.2 Revision of Strategies, Plans and Programs

All strategies, plans and programs will be reviewed within 3 months of an:

- (a) Annual Review;
- (b) Incident report;
- (c) Audit report; and
- (d) Any modifications to the consent, licences or permits.

Where any review leads to revisions in any such document, then within 4 weeks of the review the revised document will be submitted for the approval of the Secretary.

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10.3 Environment Group Meetings

An environment group review is initiated by the National Workplace Health, Safety & Environmental Manager and includes relevant operational personnel. The group meet quarterly, or at other pre-determined periods, to review environmental management issues specific to the facility.

The environment group meetings include:

- A review of the aspects and impacts register, legal register and environmental induction;
- Consideration of monitoring, inspection and audit results;
- Consideration of incidents, complaints, non-compliance and any lessons learnt;
- Consideration of any new regulatory issues;
- A review of the effectiveness of erosion and sediment controls; and
- Consideration of changes in operational needs such as resourcing.

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11 DOCUMENTATION

11.1 Environmental records

The Plant Manager is responsible for ensuring all environmental management documents are current and records are being maintained. Types of records include:

- Monitoring, inspection and compliance reports/records;
- Correspondence with public authorities;
- Induction and training records;
- Reports on environmental incidents, other environmental non-conformances, complaints and follow-up action;
- Community engagement information and CCC minutes; and
- Minutes of EMS and PGH environmental management system review meetings and evidence of any action taken.

All environmental management documents are subject to ongoing review and continual improvement.

11.2 Amendments to EMS & associated management plans

The National Workplace Health, Safety & Environmental Manager has the authority to approve or reject “minor amendments” to the EMS and associated management plans. In principle, “minor amendments” can be approved where the proposed changes:

1. Do not result in a material increase of the impacts of the project compared to the approved EMS; and
2. Are consistent with the CoA and other legislative requirements.

Following are examples of what may constitute a “minor amendment”:

- Formatting and editorial changes, errors, changes in descriptions or calculations; or
- “Like for like changes” to methodology or procedures that will not result in any increase to environmental impacts; or
- Minor changes to improve the efficacy and / or efficiency of procedures, provided the changes are consistent with relevant conditions of approval, licence conditions, permit condition and commitments made in the EA and Submissions Report.

All amendments will be submitted to the Secretary for approval.

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11.3 Document control

PGH currently implements a document control procedure to control the flow of documents within and between stakeholders and contractors.

The procedure ensures that documentation is:

- Developed, reviewed and approved prior to issue;
- Issued for use;
- Controlled and stored for the legally required timeframe;
- Removed from use when superseded or obsolete; and
- Archived.

A register and distribution list will identify the current revision of particular documents or data.

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Appendix A: Conditions of Approval

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.

David Kitto
Executive Director
Resource Assessments and Business Systems

Sydney

2015

SCHEDULE 1

Application Number:

SSD_5684

Applicant:

Boral Bricks Pty Ltd

Consent Authority:

Minister for Planning

Land:

[Lot 100 in DP 1203966](#)

Development:

Bringelly Brickworks Extension Project

Modification 1 (October 2016 shown in [blue](#) text)

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DEFINITIONS

AHD	Australian Height Datum
Annual Review Applicant	The review required by condition 4 of schedule 5 Boral Bricks Pty Ltd, 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
Biodiversity offset strategy	The conservation and enhancement strategy described in the EIS, and shown conceptually in Appendix 4
Brick making operations	Includes the receipt, handling, processing, storage and transportation of raw materials on site, brick making on site and transportation of finished bricks on site
CCC	Community Consultative Committee
Conditions of consent	Conditions contained in schedules 1 to 5 inclusive
Construction	The demolition of buildings or works, carrying out of works and erection of buildings covered by this consent
CPI	Australian Bureau of Statistics Consumer Price Index
Date of commencement	The date notified to the Department by the Applicant under condition 8 of Schedule 2
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment
Development	The development described in the documents of condition 2(a) of Schedule 2
Development area	All land to which the development application applies, as listed under "Land" in schedule 1 and shown in Appendix 1
DPI Water	Department of Primary Industries - Water
DRE	Division of Resources and Energy, within the NSW Department of Industry
EEC	Endangered Ecological Community, as defined under the <i>Threatened Species Conservation Act 1995</i>
EIS	Environmental Impact Statement titled <i>Bringelly Brickworks and Quarry Expansion</i> (2 volumes), dated September 2013, as modified by the Response to Submissions titled, <i>Bringelly Brickworks and Quarry Expansion, Response to Submissions</i> dated February 2014 and the letter entitled <i>Bringelly Brickworks – Biodiversity Offsets</i> , dated 2 June 2014
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence under the POEO Act
Evening	The period from 6pm to 10pm
Extension area	The area outside of the existing quarry footprint (i.e. cells D, E, F, G, H and I, as shown conceptually in Appendix 2)
Feasible	Feasible relates to engineering considerations and what is practical to build
GDE	Groundwater Dependent Ecosystem
GPS	Global Positioning System
Growth Centres SEPP	<i>State Environmental Planning Policy (Sydney Regional Growth Centres) 2006</i>
Ha	Hectare
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
Land	As defined in the EP&A Act, except for where the term is used in the noise and air quality conditions in schedules 3 and 4 of this consent

	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
m	Metres
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
Night	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
NP&W Act	<i>National Parks and Wildlife Act 1974</i>
OEH	NSW 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)
Quarrying operations	Includes the removal of overburden and extraction, handling, storage and transportation of extractive materials on site
Raw materials	Raw materials imported for use in brick making including clay/shale and additives (such as manganese and iron oxides)
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, ensuring that it is safe, stable and non-polluting and appropriately revegetated
RMS	Roads and Maritime Services
Secretary	Secretary of the Department, or nominee
SEE (Mod 1)	Statement of Environmental Effects titled ' Section 96(1A) Modification Supporting Information ' dated August 2016 and prepared by Element Environment, including the Response to Submissions document dated September 2016
Site	The land listed under "Land" in schedule 1
Shoulder	The period between 6am to 7am on Monday to Saturday
South West Growth Centre	An area of land identified under the Growth Centres SEPP

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 **must** implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or rehabilitation of the development.

TERMS OF CONSENT

2. The Applicant **must**:
 - (a) carry out the development generally in accordance with the EIS **and SEE (Mod 1)**; and
 - (b) the conditions of this consent.

Note: The general layout of the development is shown in Appendix 2.

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 **must** comply with any reasonable requirement/s of the Secretary arising 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 reports, reviews or audits commissioned by the Department regarding compliance with this consent; or
 - (c) the implementation of any actions or measures contained in these documents.

LIMITS ON CONSENT

Quarrying and Brick Making Operations

5. The Applicant may carry out quarrying **operations** and brick making operations from the date of commencement of development under this consent until 1 March 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.

Production Limits

6. The Applicant **must** not:
 - (a) extract more than 200,000 tonnes of clay/shale from the site in any calendar year;
 - (b) produce more than 263,500 tonnes of bricks at the site in any calendar year;
 - (c) carry out quarrying operations beyond 46 m AHD; and
 - (d) receive more than **321,000** tonnes of raw materials required for brick making to the site in any calendar year.

Transportation Limits

7. The Applicant **must** not:
 - (a) transport more than 263,500 tonnes of bricks from the site in a calendar year;
 - (b) receive more than 90 trucks to the site per day or more than 18 trucks per hour; and
 - (c) dispatch more than 90 trucks from the site per day or more than 18 trucks per hour.

NOTIFICATION OF COMMENCEMENT

8. **Prior to commencing development under this consent, the Applicant must notify the Department in writing of the date on which it will commence development permitted under this consent.**

SURRENDER OF EXISTING DEVELOPMENT CONSENT

9. Within 4 months of commencing development under this consent, the Applicant must surrender the development consent (DA 91/1194) for existing operations on the site in accordance with Section 104A of the EP&A Act.

Following the commencement of development under this consent, the conditions of this consent (including any notes) shall prevail to the extent of any inconsistency with the conditions of the existing development consent (DA 91/1194).

STRUCTURAL ADEQUACY

10. The Applicant must ensure that any 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.
- Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.

DEMOLITION

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

PROTECTION OF PUBLIC INFRASTRUCTURE

12. The Applicant must:
- repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and
 - 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

13. The Applicant must ensure that all plant and equipment used on site or any monitoring equipment used off site for monitoring the performance of the development is:
- maintained in a proper and efficient condition; and
 - operated in a proper and efficient manner.

UPDATING AND STAGING STRATEGIES, PLANS OR PROGRAMS

14. With the approval of the Secretary, the Applicant may submit any strategies, plans or programs required by this consent on a progressive basis.

To ensure the strategies, plans or programs under the conditions of this consent are updated on a regular basis, the Applicant may at any time submit revised strategies, plans or programs to the Secretary for approval.

With the agreement of the Secretary, the Applicant may prepare any revised strategy, plan or program without undertaking consultation with all parties under the applicable condition of this consent.

Notes:

- While any strategy, plan or program may be submitted on a progressive basis, the Applicant must 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 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.

15. Until they are replaced by an equivalent strategy, plan or program approved under this consent, the Applicant **must** implement the existing strategies, plans or programs for the site that have been approved under DA 91/1194.

IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION

16. Prior to undertaking quarrying operations in the extension area, the Applicant **must**:
 - (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.
17. While quarrying operations are being carried out, the Applicant **must** ensure that these boundaries are clearly marked at all times to allow operating staff and inspecting officers to clearly identify the approved limits of extraction.

PRODUCTION DATA

18. The Applicant **must**:
 - (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).

DEVELOPER CONTRIBUTIONS

19. The Applicant **must** pay Camden Council road maintenance contributions of \$0.0811 for every tonne of material transported to and from the site, indexed to CPI. Each payment must be:
 - (a) paid to Council at the end of each calendar year; and
 - (b) based on weighbridge records of all supplementary brick making materials transported to the site and bricks and spoil transported from the site.

Note: If the parties are not able 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**

HOURS OF OPERATION

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

Table 1: Operating Hours

Activity	Operating Hours
<ul style="list-style-type: none"> • Quarrying operations • Deliveries • Dispatch of finished bricks 	6am to 6pm, Monday to Friday 6am to 1pm, Saturday No activities on Sundays or Public Holidays
Brick making operations (except dispatch of finished bricks)	24 hours a day, 7 days a week
Construction activities	7am to 6pm, Monday to Friday 8am to 1pm, Saturday No construction to be undertaken on Sundays or Public Holidays

NOISE

Noise Criteria

- The Applicant **must** 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)

Activity	Receiver	Day/Evening/Shoulder	Night	
		<i>L_{Aeq(15 min)}</i>	<i>L_{Aeq(15 min)}</i>	<i>L_{A1(max)}</i>
Brick making and quarrying	R1, R2	47	Not Applicable	
	R3, R4, R14	46		
	R15, R17	45		
	All other receivers	44		
Brick making	All receivers	44	43	53

Notes:

- To locate the receivers referred to in Table 2 refer to Appendix 3.
- After the first review on any EPL granted for this development under Section 78 of the POEO Act, nothing in this consent prevents the EPA from imposing stricter noise limits on the quarrying operations on site under the EPL.

Appendix 5 sets out the metrological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.

However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner/s to generate higher noise levels, and the Applicant has advised the Department in writing of the terms of this agreement.

Construction Noise

- The Applicant **must** manage noise generated during the construction of the new site access road and associated road alignment works, and the noise bund adjacent to Greendale Road, in accordance with the guidelines specified in Table 2 of the *Interim Construction Noise Guideline*.

Note: Management guidelines are applicable to receivers 3 and 4, shown in Appendix 3.

Noise Bunds

4. The Applicant must ensure that the noise bund adjacent to the northern boundary of the extraction area is constructed prior to the commencement of quarrying operations in the extension area.
- 4A. The Applicant must ensure that the noise bund adjacent to Greendale Road is constructed prior to the commencement of brick making operations.

Operating Conditions

5. The Applicant **must**:
 - (a) implement all reasonable and feasible mitigation measures to minimise construction, operational and road noise of the development;
 - (b) implement periods of respite during the construction of the new site access road and associated road alignment works, and the noise bund adjacent to Greendale Road;
 - (c) regularly assess noise monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the noise criteria in this consent;
 - (d) maintain the effectiveness of noise suppression equipment on plant and equipment on site;
 - (e) minimise the noise impacts of the development during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 5); and
 - (f) carry out regular noise monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.

Noise Management Plan

6. The Applicant **must** prepare a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:
 - (a) be prepared in consultation with the EPA;
 - (b) be submitted to the Secretary for approval prior to the commencement of **development** under this consent, unless the Secretary agrees otherwise;
 - (c) describe the reasonable and feasible mitigation measures that would be implemented to ensure:
 - construction noise is minimise;
 - compliance with the relevant noise criteria and operating conditions in this consent;
 - best management practice 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;
 - (d) describe the proposed noise management system on site; and
 - (e) include a quarterly (or as otherwise agreed with the Secretary) noise monitoring program that:
 - uses attended monitoring to evaluate the compliance of the development against the noise criteria in this consent;
 - evaluates and reports on the effectiveness of the noise management system and the best practice noise management measures; and
 - defines what constitutes a noise incident, and includes a protocol for identifying and notifying the Department and relevant stakeholders of any noise incidents.

The Applicant must implement the approved management plan as approved from time to time by the Secretary.

AIR QUALITY

Air Quality Criteria

7. The Applicant **must** implement all reasonable and feasible avoidance and mitigation measures so that particulate matter emissions generated by the development do not exceed the criteria in Tables 3 to 6 at any residence on privately-owned land.

Table 3: Long-Term Criteria for Particulate Matter

Pollutant	Averaging period	^d Criterion
Total suspended particulates (TSP)	Annual	^a 90 µg/m ³
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 µg/m ³

Table 4: Short-Term Criteria for Particulate Matter

Pollutant	Averaging period	^d Criterion
Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³

Table 5: Long-Term Criteria for Deposited Dust

Pollutant	Averaging Period	Maximum increase in deposited dust level	Maximum total deposited dust level
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month

Table 6: Long and Short-Term Stack Emissions

Pollutant	Averaging period	^d Criterion
Sulphur Dioxide	10-minute	712 µg/m ³
	1-Hour	570 µg/m ³
	24-Hour	228 µg/m ³
	Annual	60 µg/m ³
Nitrogen Dioxide	1-Hour	246 µg/m ³
	Annual	62 µg/m ³
Hydrogen Chloride	1 hour	0.14 mg/m ³

Notes to Tables 3-6:

- ^a Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources).
- ^b Incremental impact (i.e. incremental increase in concentrations due to the development on its own).
- ^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.
- ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed by the Secretary in consultation with EPA.

Operating Conditions

8. The Applicant **must**:
- implement all reasonable and feasible measures to minimise the stack and dust emissions of the development;
 - minimise surface disturbance and maximise progressive rehabilitation;
 - minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note (d) to Tables 3-6 above); and
 - monitor and report on compliance with the relevant air quality conditions in this consent; to the satisfaction of the Secretary.

Air Quality Management Plan

9. The Applicant **must** prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:
- be prepared in consultation with the EPA;
 - be submitted to the Secretary for approval prior to the commencement of **development** under this consent, unless the Secretary agrees otherwise;
 - describe the measures that would be implemented to ensure:
 - compliance with the air quality criteria and operating conditions under this consent;
 - best practice management is being employed; and
 - the air quality impacts of the development are minimised during adverse meteorological conditions;
 - describe the air quality management system; and
 - include an air quality monitoring program that:
 - evaluates and reports on:
 - the effectiveness of the air quality management system; and
 - compliance with the air quality criteria and operating conditions; and
 - defines what constitutes an air quality incident, and includes a protocol for identifying and notifying the Department and relevant stakeholders of any air quality incidents.

The Applicant must implement the approved management plan as approved from time to time by the Secretary.

METEOROLOGICAL MONITORING

10. For the life of the development, the Applicant **must** ensure that there is a suitable meteorological station operating in the vicinity of the site that:
 - (a) complies with the requirements in the *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline; and
 - (b) is capable of continuous measurement of stability class, in accordance with the *NSW Industrial Noise Policy*, or as otherwise approved by EPA.

TRANSPORT

Monitoring of Product Transport

11. The Applicant **must** keep accurate records of the:
 - (a) **tonnage** of bricks transported from the site (monthly and annually);
 - (b) amount of raw material imported to the site (monthly and annually); and
 - (c) **tonnage of each type of raw materials imported to the site (monthly and annually)**; and provide the Secretary with a summary of this information upon request.

Parking

12. The Applicant **must** provide sufficient parking on-site for all development-related traffic, in accordance with Camden Council's parking codes, to the satisfaction of the Secretary.

Operating Conditions

13. The Applicant **must** ensure that:
 - (a) all development-related heavy vehicles enter and exit the site in a forward direction;
 - (b) all laden vehicles entering or exiting the site have their loads covered (with the exception of vehicles carrying bricks);
 - (c) all laden vehicles that have accessed the extraction and/or stockpile areas are cleaned of sand and other material that may fall on the road, before leaving the site;
 - (d) all heavy vehicles exiting the site travel east of the site along Greendale Road to The Northern Road and/or Bringelly Road;
 - (e) the dispatch of laden trucks is avoided during the peak drop-off and pick-up times at the Bringelly Public School to the greatest extent practicable, particularly prior to the upgrade of the Greendale Road/Bringelly Road intersection by RMS; and
 - (f) no trucks queue at the entrance to the site before 6am.

Access Road Intersection Construction

14. Within 12 months of commencing development under this consent, unless otherwise agreed with the Secretary, the Applicant must design and construct the new site access road intersection with Greendale Road in accordance with applicable AUSTRROADS standards, to the satisfaction of Camden Council. The Applicant must notify the Secretary in writing within 30 days of obtaining Council approval.

Within 7 days of completing construction and the new site access road being operational, the existing site access road must be permanently closed.

Transport Management Plan

15. The Applicant **must** prepare a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must:
 - (a) be prepared in consultation with RMS, Camden Council, Liverpool City Council and Bringelly Public School, and be submitted to the Secretary for approval prior to the commencement of **development** under this consent, unless the Secretary agrees otherwise;
 - (b) describe the measures that would be implemented to ensure compliance with the transport operating conditions under this consent, including specific measures to avoid **the arrival and**

- dispatch of laden trucks from the site during the peak drop-off and pick-up times at the Bringelly Public School;
- (c) include a Code of Conduct for heavy vehicle drivers that addresses:
- travelling speeds;
 - procedures to minimise noise including a regular Truck Noise Auditing Program;
 - procedures to minimise diesel exhaust emissions;
 - instructions to avoid grouping or convoying of trucks;
 - procedures to ensure that drivers adhere to the designated haulage routes and the haulage hours permitted under this consent;
 - instructions to drivers not to overtake each other on the haulage route, as far as practicable, and to maintain appropriate distances between vehicles; and
 - instruction to drivers to be properly safety conscious and to strictly obey all traffic regulations, particularly in relation to school zones along Greendale Road; and
- (d) describe the measures that would be put in place to ensure compliance with the drivers' Code of Conduct and include a program to monitor the effectiveness of the implementation of these measures.

The Applicant must implement the approved management plan as approved from time to time by the Secretary.

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

16. The Applicant **must** 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

17. The Applicant **must** comply with the discharge limits in any EPL or with Section 120 of the POEO Act.

Water Management Plan

18. The Applicant **must** prepare a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be prepared by suitably qualified person/s approved by the Secretary;
 - (b) be prepared in consultation with the EPA and [DPI Water](#);
 - (c) be submitted to the Secretary for approval [prior to the commencement of development under this consent](#), unless the Secretary agrees otherwise;
 - (d) include a Site Water Balance that:
 - includes details of:
 - quantity of water required to support operations;
 - sources and security of water supply;
 - water use and management on site;
 - reporting procedures; and
 - measures to be implemented to minimise potable water use on site;
 - (e) include a Surface Water Management Plan, that includes:
 - baseline data on surface water flows and quality in the watercourses that could be affected by the development;
 - a description of the surface water management system on site, including:
 - clean water diversions;
 - erosion and sediment controls;
 - the dirty water management system; and
 - water storages (addressing maximum harvestable rights if applicable);
 - performance criteria, including trigger levels for investigating any potentially adverse surface water quality impacts;
 - 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;
 - a plan to respond to any exceedances of the performance criteria.
- (f) a Groundwater Management Plan, which includes:
- baseline data on groundwater levels, yield and quality in surrounding aquifers;
 - groundwater assessment and performance criteria, including trigger levels for investigating potentially adverse groundwater impacts;
 - a program to monitor:
 - groundwater inflows to the quarry pit; and
 - impacts of the development on surrounding aquifers;
 - an analysis of the monitoring results to determine long-term water levels within the quarry void; and
 - a plan to respond to any exceedances of the performance criteria.

The Applicant must implement the approved management plan as approved from time to time by the Secretary.

BIODIVERSITY

Biodiversity Offset Strategy

19. The Applicant **must** implement the Biodiversity Offset Strategy described in the EIS, as summarised in Table 7 and shown conceptually in Appendix 4, to the satisfaction of the Secretary.

Table 7: Summary of the Biodiversity Offsets

Area	Offset Criteria	Size (Ha)
On-site offset	Existing vegetation to be enhanced to establish an area of native woodland comprising species associated with Cumberland Plain Woodland.	1.93

Security of Offsets

20. Within 2 years of [notifying the Department of commencement of development \(see condition 8 of Schedule 2\)](#), unless otherwise agreed with the Secretary, the Applicant **must** make suitable arrangements to provide appropriate long-term security for the offset area, to the satisfaction of the Secretary.

Note: Mechanisms to provide appropriate long term security to the land within the Biodiversity Offset Strategy include a Biobanking Agreement, Voluntary Conservation Agreement or an alternative mechanism that provides for a similar conservation outcome. Any mechanism must remain in force in perpetuity.

Biodiversity Management Plan

21. The Applicant **must** prepare a Biodiversity Management Plan for the project to the satisfaction of the Secretary. This plan must:
- (a) be prepared in consultation with the OEH and Camden Council;
 - (b) be submitted to the Secretary for approval prior to undertaking quarrying operations in the extension area, unless the Secretary agrees otherwise;
 - (c) describe how the implementation of the biodiversity offset strategy would be integrated with the overall rehabilitation of the site;
 - (d) describe the short, medium, and long term measures that would be implemented to:
 - manage the remnant vegetation and habitat on the site and in the offset area and;
 - implement the biodiversity offset strategy, including detailed performance and completion criteria;
 - (e) include performance and completion criteria for evaluating the performance of the biodiversity offset strategy, and triggering remedial action (if necessary);
 - (f) include a description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for:
 - maximising the salvage of resources within the approved disturbance area - including vegetative, soil and cultural heritage resources – for beneficial reuse in the enhancement of the biodiversity areas or rehabilitation area;

- minimising the impacts on fauna on site, including pre-clearance surveys and minimising the potential exposure to tailings;
 - controlling weeds and feral pests;
 - controlling erosion;
 - controlling access; and
 - bushfire management;
- (g) identify the potential risks to the successful implementation of the biodiversity offset strategy, and include a description of the contingency measures that would be implemented to mitigate against these risks; and
- (h) include details of who would be responsible for monitoring, reviewing, and implementing the plan.

The Applicant must implement the approved management plan as approved from time to time by the Secretary.

Conservation Bond

22. Within 6 months of the approval of the Biodiversity Management Plan, the Applicant **must** lodge a conservation bond with the Department to ensure that the biodiversity offset strategy is implemented in accordance with the performance and completion criteria of the Biodiversity Management Plan.

The sum of the bond **must** be determined by:

- a. calculating the full cost of implementing the biodiversity offset strategy (other than land acquisition costs); and
- b. employing a suitably qualified quantity surveyor to verify the calculated costs,
- c. to the satisfaction of the Secretary.

The calculation of the conservation bond must be submitted to the Department for approval at least 1 month prior to lodgement of the final bond.

If the offset strategy is completed generally in accordance with the completion criteria in the Biodiversity Management Plan to the satisfaction of the Secretary, the Secretary will release the bond.

If the offset strategy is not completed generally in accordance with the completion criteria in the Biodiversity Management Plan, the Secretary will call in all, or part of, the conservation bond, and arrange for the satisfactory completion of the relevant works.

Notes:

- *Alternative funding arrangements for long term management of the biodiversity offset strategy, such as provision of capital and management funding as agreed by OEH as part of a Biobanking Agreement or transfer to conservation reserve estate (or any other mechanism agreed with OEH) can be used to reduce the liability of the conservation bond.*
- *The sum of the bond may be reviewed in conjunction with any revision to the biodiversity offset strategy or the completion of major milestones within the approved plan.*

REHABILITATION

Rehabilitation Objectives

23. The Applicant **must** rehabilitate the site to the satisfaction of the Secretary. Rehabilitation must:
- a. comply with the objectives in Table 8; and
 - b. be generally consistent with the proposed rehabilitation strategy in the EIS, and the final land form shown conceptually in Appendix 4 (unless modified by the Final Land Use Options Plan, prepared in accordance with condition 25 of this consent).

Table 8: Rehabilitation Objectives

Feature	Objective
Site (as a whole)	<ul style="list-style-type: none"> • Safe, stable and non-polluting • Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprised of local native species and habitat

Surface infrastructure	<ul style="list-style-type: none"> To be decommissioned and removed (unless the Secretary agrees otherwise)
Final void	<ul style="list-style-type: none"> Minimise the size, depth and slope of the batters of the final void Minimise the drainage catchment of the final void
Quarry pit floor	<ul style="list-style-type: none"> Landscaped and revegetated using native flora species, above the anticipated final void water level
Community	<ul style="list-style-type: none"> Ensure public safety

Progressive Rehabilitation

24. The Applicant **must** rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.

Final Land Use Options Plan

25. The Applicant **must** prepare a Final Land Use Options Plan for the site to the satisfaction of the Secretary. This plan must:
- be prepared in consultation with DRE and Camden Council;
 - be submitted to the Secretary for approval within 2 years of the date of [notifying the Department of commencement of development \(see condition 8 of Schedule 2\)](#), unless the Secretary agrees otherwise;
 - provide details of the conceptual final landform and associated final land uses for the site;
 - ensure that the conceptual final land form is compatible with surrounding land uses, and is consistent with the rehabilitation objectives in Table 8 and the objectives of the Growth Centres SEPP for the South West Growth Centre;
 - inform the Rehabilitation Management Plan (prepared in accordance with condition 26 of this consent); and
 - be reviewed every 7 years to account for applicable land use priorities, and if necessary updated.

Rehabilitation Management Plan

26. The Applicant **must** prepare a Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:
- be prepared in consultation with OEH, DRE, [DPI Water](#) and Camden Council;
 - be submitted to the Secretary for approval prior to undertaking quarrying operations in the extension area, unless the Secretary agrees otherwise;
 - provide details of the conceptual final landform and associated land uses for the site (which must be consistent with the Final Land Use Options Plan under condition 25 of this consent);
 - describe the short, medium and long term measures that would be implemented to:
 - manage remnant vegetation and habitat on site; and
 - ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent;
 - include detailed performance and completion criteria for evaluating the performance of the rehabilitation of the site, including triggers for any necessary remedial action;
 - include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria; and
 - include details of who would be responsible for monitoring, reviewing, and implementing the plan.

[The Applicant must implement the approved management plan as approved from time to time by the Secretary.](#)

Note: The Rehabilitation Management Plan must be reviewed, and if necessary updated, following any update of the Final Land Use Options Plan.

HERITAGE

Heritage Management Plan

27. The Applicant **must** prepare a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:
- a. be prepared in consultation with OEH;
 - (a) be submitted to the Secretary for approval prior to undertaking quarrying operations in the extension area, unless the Secretary agrees otherwise;
 - b. describe the measures that would be implemented to:
 - manage identified heritage objects, previously unidentified heritage objects or the discovery of any human remains on site;
 - ensure ongoing consultation with Aboriginal stakeholders in the conservation and management of any Aboriginal cultural heritage values on site; and
 - protect sites identified adjacent to the development.

The Applicant **must** implement the approved management plan as approved from time to time by the Secretary.

VISUAL

28. The Applicant **must** establish a vegetation screen on both noise bunds, as soon as practicable after construction of the bunds, to minimise visibility of site infrastructure from outside the development area. Following establishment, the Applicant **must** maintain the vegetation screen, to the satisfaction of the Secretary.
29. The Applicant **must**:
- a) implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development; and
 - b) ensure that all external lighting associated with the development complies with *Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting*, or its latest version.

BUSHFIRE MANAGEMENT

30. The Applicant **must**:
- a) ensure that the development 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 practicable if there is a fire in the surrounding area.

WASTE

31. Prior to importing onto the site any material that may be classified as a waste under the EPA *Waste Classification Guidelines 2009* (or its latest version), the Applicant **must** obtain a 'resource recovery exemption' under the POEO Act and provide evidence of this exemption to the Department.

Note: This condition does not apply to routine deliveries to the site.

32. The Applicant **must**:
- a) manage on-site sewage treatment and disposal in accordance with the requirements of its EPL, and to the satisfaction of the EPA and Camden Council; and
 - b) pump all sewage generated and stored on-site to a sewage treatment facility, unless otherwise agreed with the Secretary.
33. The Applicant **must**:
- a) minimise the waste generated by the development;
 - b) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and
 - c) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.

SCHEDULE 4 ADDITIONAL PROCEDURES

NOTIFICATION OF LANDOWNERS

1. As soon as practicable after obtaining monitoring results showing an exceedance of any relevant criteria in schedule 3, the Applicant **must** notify 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.

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.

If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision the Applicant **must**:

- (a) 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;
 - if the development 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 Secretary and landowner a copy of the independent review.

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

ENVIRONMENTAL MANAGEMENT

Environmental Management Strategy

1. If the Secretary requires, the Applicant must prepare 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 Secretary requiring preparation of the strategy by notice to the Applicant;
 - (b) provide the strategic framework for 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, handle, respond to, and record 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 required to be carried out under the conditions of this consent.

The Applicant must implement any Environmental Management Strategy as approved from time to time by the Secretary.

Adaptive Management

2. 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 measures to ensure that the exceedance ceases and does not recur;
- (b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and
- (c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.

Management Plan Requirements

3. The Applicant must 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;
- (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.

Annual Review

4. By the end of September each year, the Applicant **must submit a report to the Department reviewing** the environmental performance of the development to the satisfaction of the Secretary. This review must:
- (a) describe the development (including rehabilitation) that was carried out in the previous **financial** year, and the development that is proposed to be carried out over the current **financial** year;
- (b) include a comprehensive review of the monitoring results and complaints records of the development over the previous **financial** year, which includes a comparison of these results against:
- the relevant statutory requirements, limits or performance measures/criteria;
 - the monitoring results of previous years; and
 - the relevant predictions in the **documents in condition 2(a) of Schedule 2**;
- (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
- (d) identify any trends in the monitoring data over the life of the 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 **financial** year to improve the environmental performance of the development.

Revision of Strategies, Plans and 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 **must 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. The Applicant **must** establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary. This 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), and be operating **prior to the commencement of development under this consent.**

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 guideline, the Committee should comprise an independent chair and appropriate representation from the Applicant, Camden Council and the local community.*

REPORTING

Incident Reporting

7. The Applicant **must** immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant **must** 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 **must** 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 **commencing development under this consent**, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant **must** commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:
 - (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
 - (b) include consultation with the relevant agencies;
 - (c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL and/or Water Licence (including any assessment, plan or program required under these approvals);
 - (d) review the adequacy of any approved strategy, plan or program required under these approvals;
 - (e) recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals; **and be conducted and reported to the satisfaction of the Secretary.**

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

10. Within **12 weeks of commencing** this audit, unless the Secretary agrees otherwise, the Applicant **must** 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 audit report. If the Applicant intends to defer the implementation of a recommendation, reasons must be documented.

Within 7 days of commencing the audit, the Applicant must notify the Department in writing of the commencement of the audit.

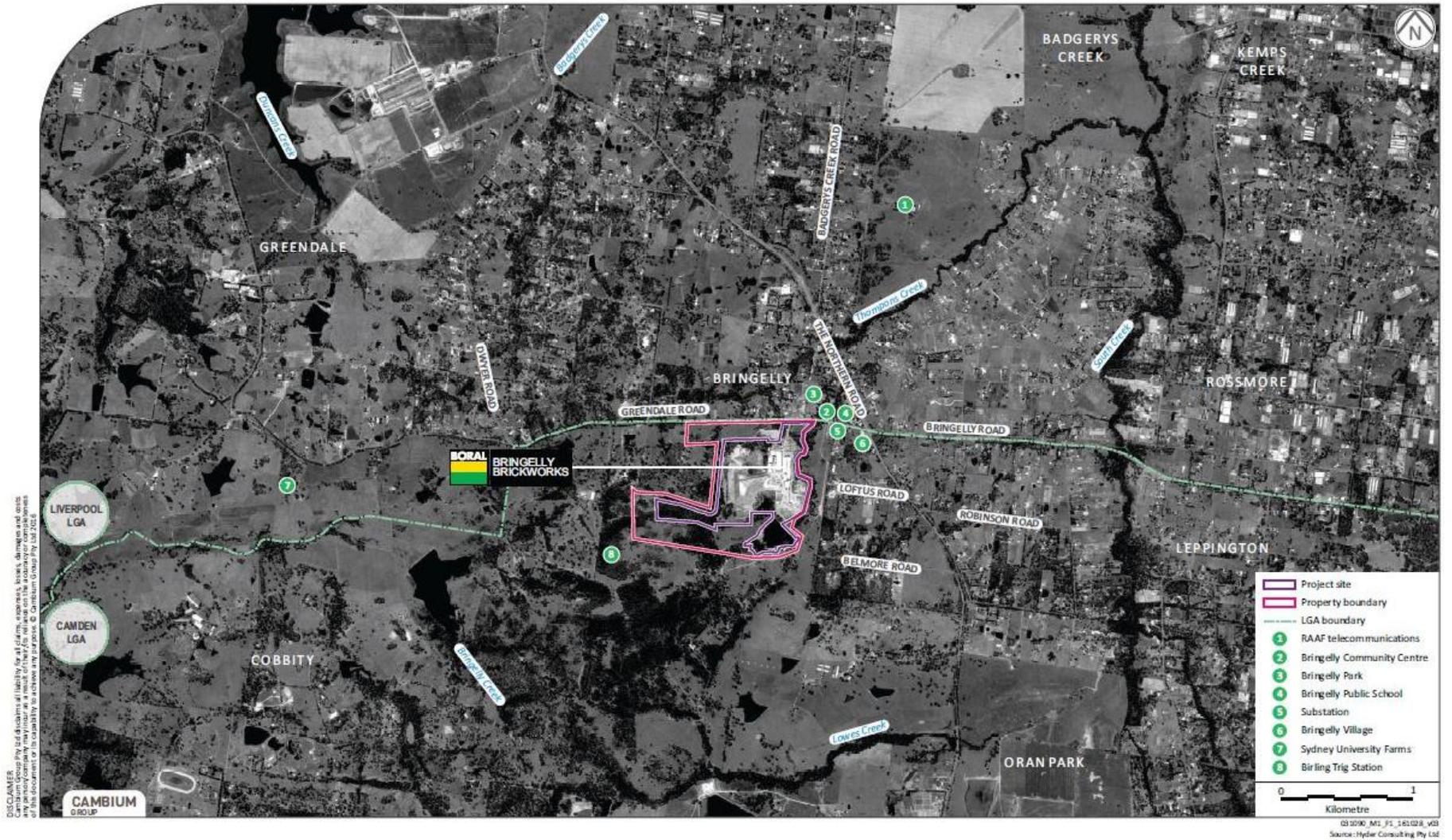
ACCESS TO INFORMATION

11. Within 6 months of **commencing development under this consent**, the Applicant **must**:
 - (a) make copies of the following publicly available on its website:
 - the documents in **condition 2(a) of Schedule 2**;
 - current statutory approvals for the development;
 - 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, which is to be updated monthly;
 - minutes of CCC meetings;
 - the annual reviews of the development (for the last 5 years);
 - any independent environmental audit of the development, and the Applicant's response to the recommendations in any audit;
 - any other matter required by the Secretary; and

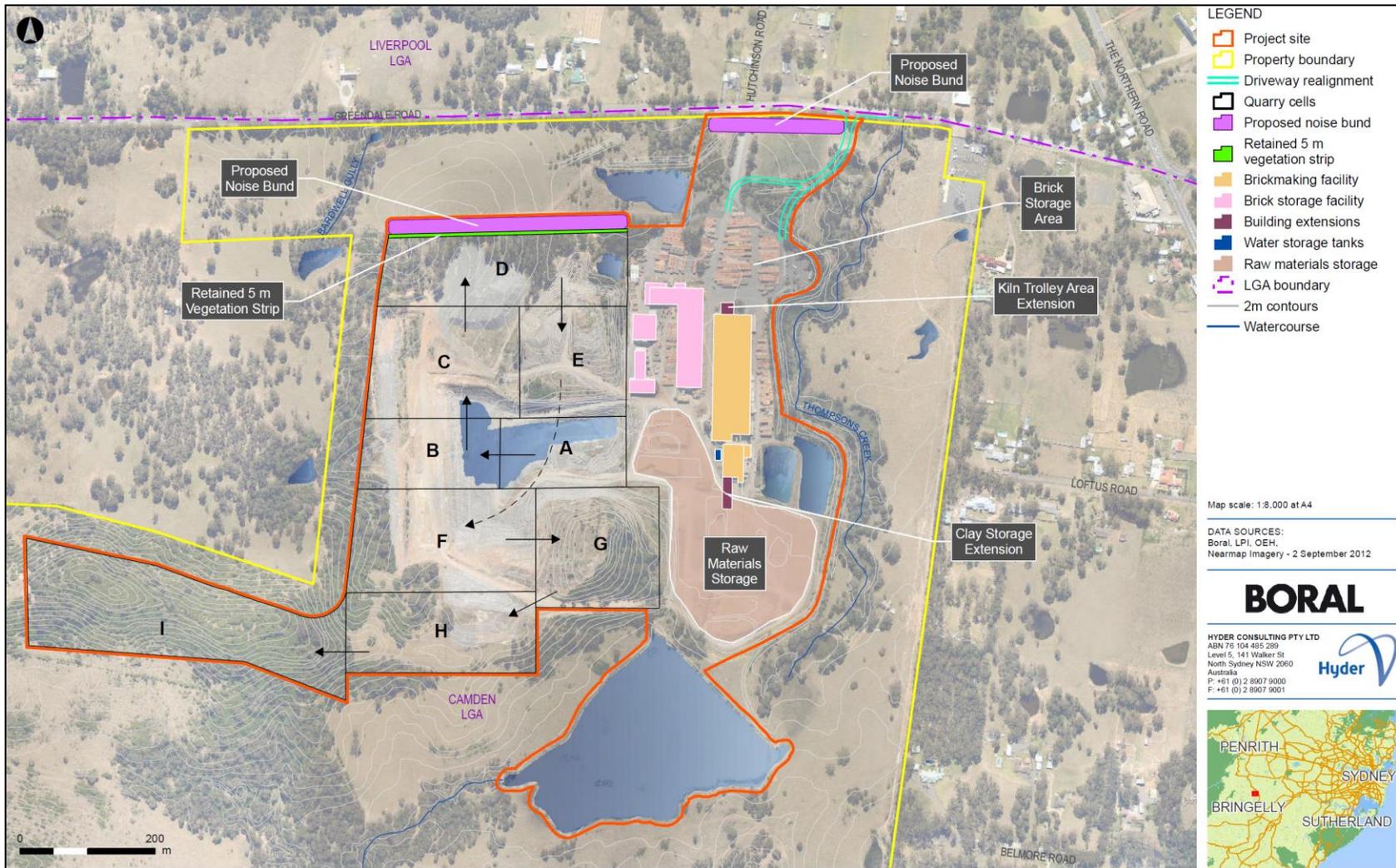
(b) keep this information up-to-date,
to the satisfaction of the Secretary.

APPENDIX 1 DEVELOPMENT AREA

BRINGELLY BRICKWORKS AND QUARRY EXPANSION - MODIFICATION 1



APPENDIX 2 DEVELOPMENT LAYOUT

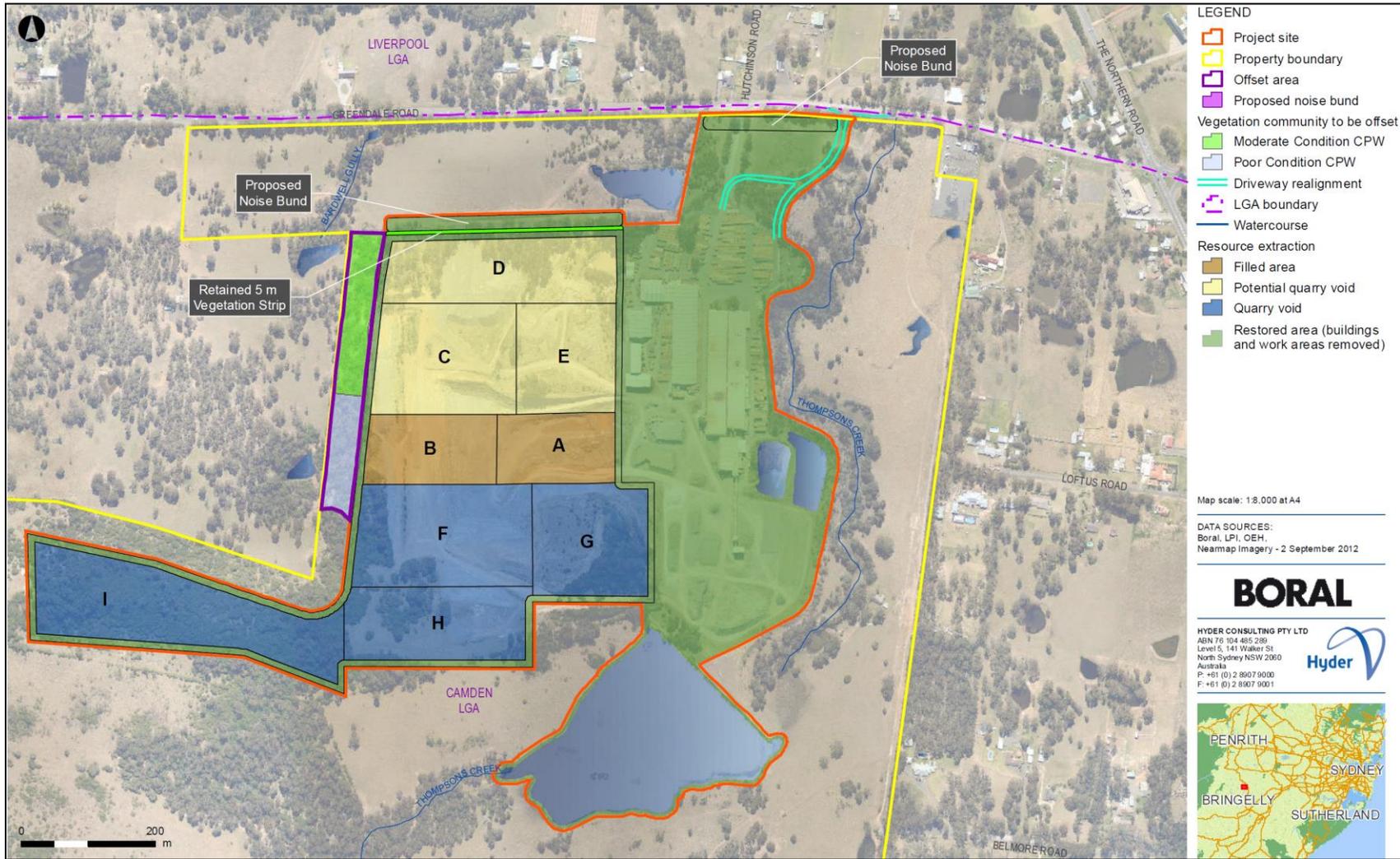


**APPENDIX 3
RECEIVER LOCATIONS**



Receiver number	Receiver address
1	55 Loftus Road
2	54 Loftus Road
3	20 Greendale Road
4	9 Greendale Road
5	5 Greendale Road (Bringelly Community Centre)
6	46 Loftus Road
7	36 Loftus Road
8	47 Loftus Road
9	37 Loftus Road
10	27 Loftus Road
11	26 Loftus Road
12	15 Loftus Road
13	5 Loftus Road
14	23 Greendale Road
15	27 Greendale Road
16	29 Greendale Road
17	25 Greendale Road
18	31 Greendale Road
19	35 Greendale Road
20	170 Tyson Road
21	196 Greendale Road
22	46 Belmore Road
23	55 Belmore Road
24	63 Belmore Road
25	67 Belmore Road
26	73 Belmore Road
27	83-85 Belmore Road
28	76 Belmore Road
29	86 Belmore Road
30	87 Belmore Road
31	93 Belmore Road
32	95-97 Belmore Road
33	107 Belmore Road
34	96 Belmore Road
35	108 Belmore Road
36	1037 Northern Road
37	10 Greendale Road
38	Bringelly Public School

APPENDIX 4 CONCEPTUAL FINAL LANDFORM AND BIODIVERSITY OFFSET STRATEGY



APPENDIX 5 NOISE COMPLIANCE ASSESSMENT

Applicable Meteorological Conditions

1. The noise criteria in Table 2 of the conditions 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 speeds 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 **must** be that recorded by the meteorological station on or in the vicinity of the site.

Compliance Monitoring

3. Unless directed otherwise by the Secretary, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of 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 otherwise agreed with the Secretary, 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) meteorological conditions during which collection of noise data is not appropriate;
 - (c) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; and
 - (d) modifications to noise data collected including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration.

DOCUMENT CONTROL	
Doc No. BRK-BRI EMS-R4	Version:4
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Issue Date: 16/09/19	Review Date: 16/09/20
Writer: VGT	Authorised by: National WHSE Manager



Appendix B: Environment Protection Licence

Environment Protection Licence



Licence - 1808

Licence Details

Number:	1808
Anniversary Date:	01-June

Licensee

BORAL CSR BRICKS PTY LIMITED

LOCKED BAG 1345

NORTH RYDE NSW 1670

Premises

BRINGELLY

LOT 2 GREENDALE ROAD

BRINGELLY NSW 2556

Scheduled Activity

Ceramic Works

Crushing, Grinding or Separating

Extractive Activities

Mining for Minerals

Fee Based Activity

Scale

Ceramics production	> 50000-200000 T produced
Crushing, grinding or separating	> 100000-500000 T processed
Land-based extractive activity	> 100000-500000 T extracted, processed or stored
Mining for minerals	> 100000-500000 T produced

Region

Metropolitan - Illawarra

Level 3, NSW Govt Offices, 84 Crown Street

WOLLONGONG NSW 2500

Phone: (02) 4224 4100

Fax: (02) 4224 4110

PO Box 513 WOLLONGONG EAST

NSW 2520

Environment Protection Licence

Licence - 1808



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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence



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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

BORAL CSR BRICKS PTY LIMITED

LOCKED BAG 1345

NORTH RYDE NSW 1670

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 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.

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.

Scheduled Activity	Fee Based Activity	Scale
Ceramic Works	Ceramics production	> 50000 - 200000 T produced
Crushing, Grinding or Separating	Crushing, grinding or separating	> 100000 - 500000 T processed
Extractive Activities	Land-based extractive activity	> 100000 - 500000 T extracted, processed or stored
Mining for Minerals	Mining for minerals	> 100000 - 500000 T produced

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
BRINGELLY
LOT 2 GREENDALE ROAD
BRINGELLY
NSW 2556
LOT 11 DP 1125892

A3 Information supplied to the EPA

A3.1 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:

- 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
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

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2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 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.

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Discharge to Air; Air Emissions Monitoring	Discharge to Air; Air Emissions Monitoring	Kiln exhaust stack as marked on map showing locations of discharge points submitted to the EPA with Licence Information Form dated 9/05/00.

P1.2 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.

P1.3 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.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge and Monitoring; Discharge to waters	Discharge and Monitoring; Discharge to waters	Outlet from Dam 1 on map labelled: Site Layout Plan, Figure 2, Water Management Plan dated 10.11.15 (EPA DOC15/464889-02). Discharge point is located on the NE corner of Dam 1.
5	Discharge and Monitoring; Discharge to waters	Discharge and Monitoring; Discharge to waters	Discharge from Dam 5 on map labelled: Site Layout Plan, Figure 2, Water Management Plan dated 10.11.15 (EPA DOC15/464889-02). Discharge point is located on the NW corner of Dam 5.

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.

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L2 Load limits

- L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.
- L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
Coarse Particulates (Air)	8400.00
Fine Particulates (Air)	33300.00
Fluoride (Air)	11700.00
Nitrogen Oxides - Summer (Air)	
Nitrogen Oxides (Air)	90300.00
Sulfur Oxides (Air)	186500.00

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

L3 Concentration limits

- L3.1 For each monitoring/discharge point or utilisation area specified in the table 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.
- L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table.
- L3.4 Air Concentration Limits

POINT 2

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	100			
Hydrogen fluoride	milligrams per cubic metre	50			
Nitrogen Oxides	milligrams per cubic metre	2000			

- L3.5 Water and/or Land Concentration Limits

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POINT 1

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Turbidity	nephelometric turbidity units				150

POINT 5

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre				1450
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Turbidity	nephelometric turbidity units				150

L4 Noise limits

L4.1 Noise from the mobile plant must not exceed an LA10 (15 minute) noise emission criterion of 35 dB(A) at all times.

except as expressly provided by this licence.

L4.2 Noise from the premises must not exceed an LA10 (15 minute) noise emission criterion of 35 dB(A) at all times.

except as expressly provided by this licence.

L4.3 Noise from the premises is to be measured or computed at any point within 30 metres of the most affected residence to determine compliance with condition L4.1 and L4.2. 5dB(A) must be added if the noise is tonal or impulsive in character.

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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.

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.

O3 Dust

O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

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.

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.

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.

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

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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:

M2.2 Air Monitoring Requirements

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Hydrogen fluoride	milligrams per cubic metre	Yearly	TM-9
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15

M2.3 Water and/ or Land Monitoring Requirements

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	milligrams per litre	Weekly during any discharge	Grab sample
pH	pH	Weekly during any discharge	Grab sample
Turbidity	nephelometric turbidity units	Weekly during any discharge	Grab sample

POINT 5

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	<24hrs prior to discharge	Grab sample
Oil and Grease	milligrams per litre	<24hrs prior to discharge	Grab sample
pH	pH	<24hrs prior to discharge	Grab sample
Turbidity	nephelometric turbidity units	<24hrs prior to discharge	Grab sample

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

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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.

Note: 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".

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.

M4 Testing methods - load limits

Note: Division 3 of the *Protection of the Environment Operations (General) Regulation 2009* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

M5 Recording of pollution complaints

M5.1 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.

M5.2 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.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 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

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by the vehicle or mobile plant, unless otherwise specified in the licence.

- M6.2 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.
- M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

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:
 1. a Statement of Compliance,
 2. a Monitoring and Complaints Summary,
 3. a Statement of Compliance - Licence Conditions,
 4. a Statement of Compliance - Load based Fee,
 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data,
 7. a Statement of Compliance - Environmental Management Systems and Practices; and
 8. a Statement of Compliance - Environmental Improvement Works.

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.

- R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

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.

- 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.

Note: An application to transfer a licence must be made in the approved form for this purpose.

- 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.

- 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').

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- R1.6 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date. The notification must specify:
- a) the assessable pollutants for which the actual load could not be calculated; and
 - b) the relevant circumstances that were beyond the control of the licensee.
- R1.7 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.
- R1.8 Within the Annual Return, the Statements 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.

R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- 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.

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.

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.
- 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.
- 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;

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- 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.

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.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Other general conditions

G2.1 Completed Programs

PRP	Description	Completed Date
PRP 1 - WATER MONITORING PROGRAM	Water monitoring program for conductivity in discharges into Thompsons Creek from Licensed Discharge Point 4.	30-May-2014
PRP 2 - WATER MANAGEMENT PLAN	Protect and reduce the impact on Thompsons Creek by preparing a Water Management Plan (WMP) which outlines options to improve on site water management and reduce pollutant loads discharged from the site to Thompsons Creek.	13-November-2015

8 Special Conditions

E1 Summary Table of Special Conditions Completed

E1.1

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No.	Special Condition	Description	Completed Date
1	Water Quality	To submit a report confirming details of all surface water; process water and effluent management systems; all existing sedimentation controls; modifications required; and timetable for implementation.	1 Nov 2002
2	Surface water management options	To submit a report on the best utilisation of water from dams 5 & 6.	1 Mar 2005

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Ms Nadia Kanhoush

Environment Protection Authority

(By Delegation)

Date of this edition: 10-August-2000

Environment Protection Licence

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End Notes

- 1 Licence varied by Change of contact details, issued on 20-Nov-2001, which came into effect on 20-Nov-2001.
- 2 Licence varied by notice 1016336, issued on 27-Jun-2002, which came into effect on 22-Jul-2002.
- 3 Licence varied by notice 1040220, issued on 23-Sep-2004, which came into effect on 18-Oct-2004.
- 4 Licence varied by notice 1043879, issued on 21-Jan-2005, which came into effect on 15-Feb-2005.
- 5 Licence varied by notice 1051526, issued on 05-Sep-2005, which came into effect on 30-Sep-2005.
- 6 Licence varied by notice 1062983, issued on 28-Aug-2006, which came into effect on 28-Aug-2006.
- 7 Licence varied by change to legislation, issued on 06-Jul-2007, which came into effect on 06-Jul-2007.
- 8 Licence varied by notice 1076143, issued on 19-Sep-2007, which came into effect on 19-Sep-2007.
- 9 Licence varied by notice 1079902, issued on 15-Nov-2007, which came into effect on 15-Nov-2007.
- 10 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 11 Licence varied by change to FBA for summer pollutants, issued on 16-Jan-2009, which came into effect on 16-Jan-2009.
- 12 Licence varied by notice 1503297 issued on 23-Jan-2012
- 13 Licence varied by notice 1510257 issued on 06-Feb-2013
- 14 Licence varied by notice 1520429 issued on 20-May-2014
- 15 Licence varied by notice 1524516 issued on 28-Aug-2014
- 16 Licence transferred through application 1530191 approved on 04-May-2015 , which came into effect on 04-May-2015
- 17 Licence format updated on 04-May-2015
- 18 Licence format updated on 05-May-2015
- 19 Licence varied by notice 1536325 issued on 04-Mar-2016

DOCUMENT CONTROL	
Doc No. BRK-BRI EMS-R4	Version:4
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Issue Date: 16/09/19	Review Date: 16/09/20
Writer: VGT	Authorised by: National WHSE Manager



Appendix C: Mining Lease

MINING LEASE

MINING ACT 1992

NO 1731

DATED 09 MARCH 2016

MINISTER FOR INDUSTRY RESOURCES
AND ENERGY

OF THE STATE

OF NEW SOUTH WALES

TO

BORAL CSR BRICKS PTY LIMITED
ACN 168 794 821

Mining Lease Application No 508

Mining Lease

Section 63 of the *Mining Act 1992*

I, as delegate of the Minister for Industry Resources and Energy for the State of New South Wales, under delegation dated 9 February 2016 pursuant to section 63 of the *Mining Act 1992*, determine Mining Lease Application No 508 by granting a Mining Lease as described in Schedule 1 to **BORAL CSR BRICKS PTY LIMITED, ACN 168 794 821**, subject to the conditions set out in Schedule 2.

The conditions set out in Schedule 2 are required to:

- ensure optimal resource recovery;
- prevent, minimise, and offset adverse environmental impacts;
- provide for the ongoing environmental management of the project; and
- ensure that the areas disturbed by mineral production and exploration activities are appropriately rehabilitated.

The rights and duties of a Lease Holder are those prescribed by the *Mining Act 1992*, subject to the terms and conditions of this Lease. This lease does not override any obligation on the Lease Holder to comply with the requirements of other legislation and regulatory instruments which may apply to the Lease Holder (including all relevant development approvals) unless specifically provided in the *Mining Act 1992* or other legislation or regulatory instruments.



SIGNED

Under delegation

Bryan Whitlock
Manager Royalty and Advisory Services

Dated: 9/3/16

SCHEDULE 1

Description of Lease

Land: The lease area embraces all land described in the attached lease plan titled **M27393** and approved on **21 January 2016**.

Area: **37.25 Hectares**

Minerals/ Mining Purpose: **Clay / Shale**

Method: **Open Cut**

Term: **21 Years**

Due expiry date: **9 March 2037**

**SCHEDULE 2
MINING LEASE CONDITIONS 2013**

Definitions

- 1. Notice to Landholders**
- 2. Rehabilitation**
- 3. Mining Operations Plan and Annual Rehabilitation Report**
- 4. Compliance Report**
- 5. Environmental Incident Report**
- 6. Resource Recovery**
- 7. Security**
- 8. Cooperation Agreement**

Note: Exploration Reports (Geological and Geophysical)

Definitions:

Words used in this mining lease have the same meaning as defined in the *Mining Act 1992* except where otherwise defined below:

Act means the *Mining Act 1992*.

Department means the Division of Resources & Energy within the Department of Industry, Skills and Regional Development.

Environment has the same meaning as in the *Protection of the Environment Operations Act 1997*.

Harm to the environment has the same meaning as in the *Protection of the Environment Operations Act 1997*.

Landholder for the purposes of these conditions does not include a secondary landholder and includes, in the case of exempted areas, the controlling body for the exempted area.

Material harm to the environment has the same meaning as in the *Protection of the Environment Operations Act 1997*.

Minister means the Minister administering the Act.

Pollution incident has the same meaning as in the *Protection of the Environment Operations Act 1997*.

MINING LEASE CONDITIONS 2013

1. Notice to Landholders

- (a) Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.
- (b) If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1(b), compliance with condition 1(a) is not required.

2. Rehabilitation

Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.

3. Mining Operations Plan and Annual Rehabilitation Report

- (a) The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.
- (b) The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which:
 - (i) identifies areas that will be disturbed;
 - (ii) details the staging of specific mining operations, mining purposes and prospecting;
 - (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use;
 - (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and
 - (v) reflects the conditions of approval under:
 - the *Environmental Planning and Assessment Act 1979*;
 - the *Protection of the Environment Operations Act 1997*; and

- any other approvals relevant to the development including the conditions of this mining lease.
- (c) The MOP must be prepared in accordance with the *ESG3: Mining Operations Plan (MOP) Guidelines September 2013* published on the Department's website at www.resources.nsw.gov.au/environment
- (d) The lease holder may apply to the Minister to amend an approved MOP at any time.
- (e) It is not a breach of this condition if:
- (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the *Environmental Planning and Assessment Act 1979*, the *Protection of the Environment Operations Act 1997*, the *Mine Health and Safety Act 2004 / Coal Mine Health and Safety Act 2002* and *Mine Health and Safety Regulation 2007 / Coal Mine Health and Safety Regulation 2006* or the *Work Health and Safety Act 2011*; and
 - (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.
- (f) The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must:
- (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP;
 - (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and
 - (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resources.nsw.gov.au/environment.

Note: The Rehabilitation Report replaces the Annual Environmental Management Report.

4. Compliance Report

- (a) The lease holder must submit a Compliance Report to the satisfaction of the Minister. The report must be prepared in accordance with any relevant guidelines or requirements published by the Minister for compliance reporting.
- (b) The Compliance Report must include:
- (i) the extent to which the conditions of this mining lease or any provisions of the Act or the regulations applicable to activities under this mining lease, have or have not been complied with;
 - (ii) particulars of any non-compliance with any such conditions or provisions,
 - (iii) the reasons for any such non-compliance;

- (iv) any action taken, or to be taken, to prevent any recurrence, or to mitigate the effects, of that non-compliance.
- (c) The Compliance Report must be lodged with the Department annually on the grant anniversary date for the life of this mining lease.
- (d) In addition to annual lodgement under condition 4(c) above, a Compliance Report:
 - (i) must accompany any application to renew this mining lease under the Act;
 - (ii) must accompany any application to transfer this mining lease under the Act; and
 - (iii) must accompany any application to cancel, or to partially cancel, this mining lease under the Act.
- (e) Despite the submission of any Compliance Report under (c) or (d) above, the titleholder must lodge a Compliance Report with the Department at any date or dates otherwise required by the Minister.
- (f) A Compliance Report must be submitted one month prior to the expiry of this mining lease, where the licence holder is not seeking to renew or cancel this mining lease.

5. Environmental Incident Report

- (a) The lease holder must notify the Department of all:
 - (i) breaches of the conditions of this mining lease or breaches of the Act causing or threatening material harm to the environment; and
 - (ii) breaches of environmental protection legislation causing or threatening material harm to the environment (as defined in the *Protection of the Environment Operations Act 1997*),

arising in connection with significant surface disturbing activities, including mining operations, mining purposes and prospecting operations, under this mining lease. The notification must be given immediately after the lease holder becomes aware of the breach.

Note. Refer to www.resources.nsw.gov.au/environment for notification contact details.

- (b) The lease holder must submit an Environmental Incident Report to the Department within seven (7) days of all breaches referred to in condition 5(a)(i) and (ii). The Environmental Incident Report must include:
 - (i) the details of the mining lease;
 - (ii) contact details for the lease holder;
 - (iii) a map identifying the location of the incident and where material harm to the environment has or is likely to occur;

- (iv) a description of the nature of the incident or breach, likely causes and consequences;
- (v) a timetable showing actions taken or planned to address the incident and to prevent future incidents or breaches referred to in 5(a).
- (vi) a summary of all previous incidents or breaches which have occurred in the previous 12 months relating to significant surface disturbing activities, including mining operations, mining purposes and prospecting operations under this mining lease.

Note. The lease holder should have regard to any relevant Secretary's guidelines in the preparation of an Environmental Incident Report. Refer to www.resources.nsw.gov.au/environment for further details.

- (c) In addition to the requirements set out in conditions 5(a) and (b), the lease holder must immediately advise the Department of any notification made under section 148 of the *Protection of the Environment Operations Act 1997* arising in connection with significant surface disturbing activities including mining operations, mining purposes and prospecting operations, under this mining lease.

6. Resource Recovery

The lease holder must optimise recovery of the minerals that are the subject of this mining lease to the extent economically feasible.

7. Security

The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future.

The amount of the security deposit to be provided has been assessed by the Minister at **\$776,000**.

8. Cooperation Agreement

The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as:

- access arrangements
- operational interaction procedures
- dispute resolution
- information exchange
- well location
- timing of drilling
- potential resource extraction conflicts; and
- rehabilitation issues.

Exploration Reporting

Note: Exploration Reports (Geological and Geophysical)

The lease holder must lodge reports to the satisfaction of the Minister in accordance with section 163C of the Mining Act 1992 and in accordance with clause 57 of the Mining Regulation 2010.

Reports must be prepared in accordance with Exploration Reporting: A guide for reporting on exploration and prospecting in New South Wales (Department of Trade and Investment; Regional Infrastructure and Services 2010).

SPECIAL CONDITIONS

Note: The standard conditions apply to all mining leases. The Division of Resources & Energy (DRE) reserves the right to impose special conditions, based on individual circumstances, where appropriate.

By Certificate of Registration on Change of Name Boral CSR Bricks Pty Limited ACN 168 794 821 changed its name to PGH Bricks And Pavers Pty Limited ACN 168794821 on 04. November 2016. Recorded in the Department of Resources and Geoscience this 15. August 2017 against the following titles:-

Mining Lease Application 519 (Act 1992)
Mining Lease 1730 (Act 1992)
Mining Lease 1731 (Act 1992)
Private Lands Lease 1236 (Act 1924)

Chris Berry
TITLES SERVICES
FOR SECRETARY

INSTRUMENT OF VARIATION

I, as delegate of the Minister for Resources for the State of New South Wales, under delegation dated 1 May 2017, and pursuant to Clause 12 of Schedule 1B of the *Mining Act 1992*, vary ML 1731 (1992) as follows:

Conditions 4 and 5 are varied by deleting the existing conditions and inserting instead the conditions set out below:

4. Non-Compliance Reporting

- (a) The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;
- (b) Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.

5. Environmental Incident Report

The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the *Protection of the Environment Operations Act 1997*.

Definitions

Environmental incident notifications and reports means any notifications and reports required to be provided to relevant authorities under Part 5.7 or Part 5.7A of the *Protection of the Environment Operations Act 1997*.

This variation is effective from 19 February 2018.

SIGNED



As delegate for the Minister for Resources

Steven Palmer
Acting Director Title Services
Dated 19 February 2018

DOCUMENT CONTROL	
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Writer: VGT	Authorised by: National WHSE Manager



Appendix D: Water Approval and Licence

Information about a water licence or approval

Use this tool to search for information about water licences and approvals issued under the *Water Act 1912* or *Water Management Act 2000*.

Select the type of licence or approval and enter the licence or approval number:

- **Water access licence (WAL):** a WAL number starts with the letters 'WAL' followed by several numbers; a WAL also has a reference number that starts with a two digit number, followed by 'AL' and then several numbers.
- **1912 water licence:** a water licence number starts with a two digit number, followed by a two letter code and then several numbers. Note: a PT reference number cannot be entered.
- **Approval:** an approval number starts with a two digit number, followed by a two letter code (WA, UA, CA or FW) and then several numbers.

Search for information about either a:

- Water access licence (WAL) issued under the *Water Management Act 2000*
- Water Act 1912* Licences and Authorities

Approval issued under the *Water Management Act 2000*

Approval Number 10 ▼ CA ▼ 104630

Notes: The search results will list the conditions imposed on the approval and also list the number/s of any water access licence/s that nominate the water supply works associated with the approval.

This search tool does not include information about [controlled activity approvals](#). Information publicly available from a register of controlled activity approvals is available at our [local offices](#).

Find out if a *Water Act 1912* licence has been converted

- Water licence conversion status

« Previous

Search

Print

Export

Search Results

Kind of Approval	Issue Date	Expiry Date	Approval Number	Status	Water Source
Water Supply Works And Water Use	01-JUL-2011	18-JUN-2025	10CA104630	Current	Hawkesbury And Lower Nepean Rivers Water Source

Work Type	Description	Diameter	Status	No of Works	Location (Lot/DP)
Diversion Works - Pumps	100mm Centrifugal Pump	NA	Active	1	Lot 100, DP 1203966
		NA	Active		Lot 100, DP 1203966
Storages	Bywash Dam	NA	Active	1	Lot 100, DP 1203966

Use Purpose(s)	Location(s)

Water Access Licences nominating these works

Reference Number	WAL Number
10AL104628	26257
10AL104629	25987

- Conditions**Plan Conditions**

Water sharing plan	Greater Metropolitan Region Unregulated River Water Sources
---------------------------	--------------------------------------------------------------------

Take of water

- MW0655-00001 Any water supply work authorised by this approval must take water in compliance with the conditions of the access licence under which water is being taken.
- MW0911-00001 Before water is taken through the water supply work authorised by this approval, visible flow in the water source at the location at which water is proposed to be taken must be confirmed.
- If a logbook is required to be kept:
- A. confirmation that water may be taken, and
 - B. the method of confirmation, such as visual inspection, internet search
- must be recorded in the logbook.

Monitoring and recording

- MW2338-00001 The completed logbook must be retained for five (5) years from the last date recorded in the logbook.
- MW2336-00001 The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.
- MW2337-00001 The following information must be recorded in the logbook for each period of time that water is taken:
- A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and
 - B. the access licence number under which the water is taken, and
 - C. the approval number under which the water is taken, and
 - D. the volume of water taken for domestic consumption and/or stock watering.
- MW2339-00001 A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.
- MW0482-00001 Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. This reading must be recorded every time water is to be taken.

Reporting

- MW0051-00001 Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the Minister as soon as practicable. The Minister must be notified by:
- A. email: water.enquiries@dpi.nsw.gov.au, or
 - B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.
- MW3860- A. When a water supply work authorised by this approval is no longer to be used permanently,

- 00001 the approval holder must:
- i. notify the relevant licensor in writing of the intention to decommission the work at least 90 days before the start of decommissioning, and
 - ii. decommission the work, unless the approval holder receives notice in writing from the Minister within 60 days of notifying DPI Water requiring that the work is not to be decommissioned or be decommissioned in accordance with specific requirements.
- B. Within 60 days of the work being decommissioned, the approval holder must notify the relevant licensor in writing that the work has been decommissioned.

Other Conditions

Water management works	
DK0888-00001	Any water supply work authorised by this approval used for the purpose of conveying, diverting or storing water must be constructed or installed to allow free passage of floodwaters flowing into or from a river or lake.
DK0871-00001	The water supply work authorised by this approval must be constructed and maintained in a way that will: <ol style="list-style-type: none"> A. ensure the work's safe construction and operation, and B. prevent the possibility of damage being caused by the work, or resulting from the work, to any public or private interest.
DK0878-00001	<ol style="list-style-type: none"> A. The construction, installation or use of the water supply work authorised by this approval must not cause or increase erosion to the channel or bank of the watercourse. B. If erosion is observed, the area must be stabilised with grass cover, stone pitching or any other material that will prevent any further occurrence of erosion.
DK0233-00078	The level of the crest of the bywash of the dam must be fixed at not higher than 1.99 m below the level of a benchmark established on a box tree on the right bank of the watercourse near the work and particulars of which are retained in the office of the relevant licensor.
DK1217-00001	The location of the dam(s) as shown on a plan retained in the office of the relevant licensor shall not be altered.
DS2349-00001	The approval holder must make all reasonable efforts not to allow any used water to discharge, by any means including surface or subsurface drains or pipes, into or onto: <ul style="list-style-type: none"> - any adjoining public or crown road; - any other person's land; - any Crown land; - any river, creek or watercourse or aquifer.

Disclaimer: WaterNSW is making the information available on the understanding that it does not warrant that the information is suitable for any intended use. In using the information supplied, the user acknowledges that they are responsible for any deductions or conclusions arrived at from interpretation of the data.

Privacy: The information provided is limited to meet the requirements of section 57 of the *Privacy and Personal Information Act 1998*.

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Information about a water licence or approval

Use this tool to search for information about water licences and approvals issued under the *Water Act 1912* or *Water Management Act 2000*.

Select the type of licence or approval and enter the licence or approval number:

- **Water access licence (WAL):** a WAL number starts with the letters 'WAL' followed by several numbers; a WAL also has a reference number that starts with a two digit number, followed by 'AL' and then several numbers.
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- **Approval:** an approval number starts with a two digit number, followed by a two letter code (WA, UA, CA or FW) and then several numbers.

Search for information about either a:

- Water access licence (WAL) issued under the *Water Management Act 2000*
- Water Act 1912* Licences and Authorities

Approval issued under the *Water Management Act 2000*

Approval Number 10 ▼ CA ▼ 104657

Notes: The search results will list the conditions imposed on the approval and also list the number/s of any water access licence/s that nominate the water supply works associated with the approval.

This search tool does not include information about [controlled activity approvals](#). Information publicly available from a register of controlled activity approvals is available at our [local offices](#).

Find out if a *Water Act 1912* licence has been converted

- Water licence conversion status

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Search

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Search Results

Kind of Approval	Issue Date	Expiry Date	Approval Number	Status	Water Source
Water Supply Works And Water Use	01-JUL-2011	20-APR-2026	10CA104657	Current	Hawkesbury And Lower Nepean Rivers Water Source

Work Type	Description	Diameter	Status	No of Works	Location (Lot/DP)
Diversion Works - Pumps	80mm Centrifugal Pump	NA	Active	1	Lot 101, DP 1203966

Use Purpose(s)	Location(s)
Irrigation	

Water Access Licences nominating these works

Reference Number	WAL Number
10AL104656	26259

- Conditions

Plan Conditions

Water sharing plan	Greater Metropolitan Region Unregulated River Water Sources
--------------------	-------------------------------------------------------------

Take of water

- MW0655-00001 Any water supply work authorised by this approval must take water in compliance with the conditions of the access licence under which water is being taken.
- MW0911-00001 Before water is taken through the water supply work authorised by this approval, visible flow in the water source at the location at which water is proposed to be taken must be confirmed.
- If a logbook is required to be kept:
- A. confirmation that water may be taken, and
 - B. the method of confirmation, such as visual inspection, internet search
- must be recorded in the logbook.

Water management works

- MW2435-00001 Water must be taken through the approved metering equipment installed on the water supply work authorised by this approval.

Monitoring and recording

- MW2338-00001 The completed logbook must be retained for five (5) years from the last date recorded in the logbook.
- MW2336-00001 The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.
- MW2337-00001 The following information must be recorded in the logbook for each period of time that water is taken:
- A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and
 - B. the access licence number under which the water is taken, and
 - C. the approval number under which the water is taken, and
 - D. the volume of water taken for domestic consumption and/or stock watering.
- MW2339-00001 A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.
- MW0482-00001 Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. This reading must be recorded every time water is to be taken.

Reporting

- MW0051-00001 Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the Minister as soon as practicable. The Minister must be notified by:
- A. email: water.enquiries@dpi.nsw.gov.au,
or
 - B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.

MW3860-00001 A. When a water supply work authorised by this approval is no longer to be used permanently, the approval holder must:

- i. notify the relevant licensor in writing of the intention to decommission the work at least 90 days before the start of decommissioning, and
- ii. decommission the work, unless the approval holder receives notice in writing from the Minister within 60 days of notifying DPI Water requiring that the work is not to be decommissioned or be decommissioned in accordance with specific requirements.

B. Within 60 days of the work being decommissioned, the approval holder must notify the relevant licensor in writing that the work has been decommissioned.

Other Conditions

Water management works	
DK0888-00001	Any water supply work authorised by this approval used for the purpose of conveying, diverting or storing water must be constructed or installed to allow free passage of floodwaters flowing into or from a river or lake.
DK0878-00001	<p>A. The construction, installation or use of the water supply work authorised by this approval must not cause or increase erosion to the channel or bank of the watercourse.</p> <p>B. If erosion is observed, the area must be stabilised with grass cover, stone pitching or any other material that will prevent any further occurrence of erosion.</p>
DS2349-00001	<p>The approval holder must make all reasonable efforts not to allow any used water to discharge, by any means including surface or subsurface drains or pipes, into or onto:</p> <ul style="list-style-type: none"> - any adjoining public or crown road; - any other person's land; - any Crown land; - any river, creek or watercourse or aquifer.

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- **Approval:** an approval number starts with a two digit number, followed by a two letter code (WA, UA, CA or FW) and then several numbers.

Search for information about either a:

Water access licence (WAL) issued under the *Water Management Act 2000*

Water Access Licence (WAL) Number

WAL

A WAL number starts with the letters 'WAL' followed by several numbers

Can't find your WAL number? Do you have a reference number? A reference number starts with a two digit number, followed by 'AL' and then several numbers. Use the following tool to find your WAL by entering your reference number. [Enter the reference number to find the WAL number.](#)

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- [Water Act 1912 Licences and Authorities](#)
- [Approval issued under the *Water Management Act 2000*](#)

Find out if a **Water Act 1912** licence has been converted

- [Water licence conversion status](#)

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Search Results

Category [Subcategory]	Status	Water Source	Tenure Type	Management Zone	Share Components (units or ML)
---------------------------	--------	--------------	----------------	-----------------	--------------------------------------

Unregulated River	Current	Hawkesbury And Lower Nepean Rivers Water Source	Continuing	Upper South Creek Management Zone	152.50
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Extraction Times or Rates

Subject to conditions water may be taken at any time or rate

Nominated Work Approval(s)

10CA104630

- Conditions

Plan Conditions

Water sharing plan	Greater Metropolitan Region Unregulated River Water Sources
--------------------	-------------------------------------------------------------

Take of water

MW0112-00001	The maximum water allocation that may be carried over in the account for this access licence from one water year to the next water year is: A. a volume equal to 100 % of the share component of the licence, or B. 1 ML/unit share of the share component of the licence.
MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water permitted to be taken in those years must also be recorded in the logbook.
MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.
MW0080-00012	From 1 July 2011, water must not be taken from the Upper South Creek Management Zone of the Hawkesbury and Lower Nepean Rivers Water Source when flows are in the Very Low Flow Class, which means that the flow is 0.2 ML/day or less at South Creek at the Great Western Highway gauge [No. 212048]. This restriction does not apply if water is to be taken from a runoff harvesting dam or an in-river dam pool.
MW0670-00001	Water must only be taken if there is visible flow in the water source at the location where water is to be taken. This restriction does not apply if water is to be taken: A. from an off-river pool, an in-river pool, a runoff harvesting dam or an in-river dam pool, or B. from the following Weirs: Maldon, Douglas Park, Menangle, Camden, Sharpes, Cobbity, Mount Hunter Rivulet, Brownlow Hill, Theresa Park and Wallacia.
MW0078-00004	In the Upper South Creek Management Zone of the Hawkesbury and Lower Nepean Rivers Water Source, if the flow is less than 0.2 ML/day at South Creek at the Great Western Highway gauge [No. 212048] for a period of 24 or more consecutive hours, then there must be a minimum flow of 0.2 ML/day at that gauge for at least 24 hours before water can be taken.
MW0004-00002	From 1 July 2012, the total volume of water taken in any three (3) consecutive water years under this access licence must not exceed a volume which is equal to the lesser of either: A. the sum of: i. water in the account from the available water determinations in those 3 consecutive water years, plus ii. water in the account carried over from the water year prior to those 3 consecutive water years, plus iii. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus iv. any water re-credited by the Minister to the account in those 3 consecutive water years,

or

B. the sum of:

- i. the share component of this licence at the beginning of the first year in those 3 consecutive water years, plus
- ii. the share component of this licence at the beginning of the second year in those 3 consecutive water years, plus
- iii. the share component of this licence at the beginning of the third year in those 3 consecutive water years, plus
- iv. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus
- v. any water re-credited by the Minister to the account in those 3 consecutive water years.

Monitoring and recording

MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.
MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken: A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.
MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.

Reporting

MW0051-00002	Once the licence holder becomes aware of a breach of any condition on this access licence, the licence holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au , or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.
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Other Conditions

NIL

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- **1912 water licence:** a water licence number starts with a two digit number, followed by a two letter code and then several numbers. Note: a PT reference number cannot be entered.
- **Approval:** an approval number starts with a two digit number, followed by a two letter code (WA, UA, CA or FW) and then several numbers.

Search for information about either a:

Water access licence (WAL) issued under the *Water Management Act 2000*

Water Access Licence (WAL) Number

WAL

A WAL number starts with the letters 'WAL' followed by several numbers

Can't find your WAL number? Do you have a reference number? A reference number starts with a two digit number, followed by 'AL' and then several numbers. Use the following tool to find your WAL by entering your reference number. [Enter the reference number to find the WAL number.](#)

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Find out if a *Water Act 1912* licence has been converted

- [Water licence conversion status](#)

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Search Results

Category [Subcategory]	Status	Water Source	Tenure Type	Management Zone	Share Components (units or ML)
---------------------------	--------	--------------	----------------	-----------------	--------------------------------------

Domestic And Stock	Current	Hawkesbury And Lower Nepean Rivers Water Source	Specific Purpose	Upper South Creek Management Zone	6.50
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Extraction Times or Rates

Subject to conditions water may be taken at any time or rate

Nominated Work Approval(s)

10CA104630

- Conditions

Plan Conditions

Water sharing plan	Greater Metropolitan Region Unregulated River Water Sources
--------------------	-------------------------------------------------------------

Take of water

MW0112-00001	The maximum water allocation that may be carried over in the account for this access licence from one water year to the next water year is: A. a volume equal to 100 % of the share component of the licence, or B. 1 ML/unit share of the share component of the licence.
MW4215-00001	Water may be taken for domestic consumption not exceeding 1 kL/house per day: A. when flows in the Upper South Creek Management Zone of the Hawkesbury and Lower Nepean Rivers Water Source are in the Very Low Flow Class which means that the flow is 0.2 ML/day or less at the South Creek Great Western Highway gauge [No. 212048], or B. when there is no visible flow at the location at which the water proposed to be taken, or C. if water is taken from an in-river, off-river pool, natural pool, lake or lagoon, when the volume of water in that pool lake or lagoon is less than at full capacity.
MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water permitted to be taken in those years must also be recorded in the logbook.
MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.
MW4251-00001	Water must not be taken for stock watering: A. when flows in the Upper South Creek Management Zone of the Hawkesbury and Lower Nepean Rivers Water Source are in the Very Low Flow Class, which means that the flow is 0.2 ML/day or less at the South Creek Great Western Highway gauge [No. 212048], or B. when there is no visible flow in the water source at the location where water is to be taken. These restrictions do not apply if water is to be taken from a runoff harvesting dam or an in-river dam pool.
MW0004-00002	From 1 July 2012, the total volume of water taken in any three (3) consecutive water years under this access licence must not exceed a volume which is equal to the lesser of either: A. the sum of: i. water in the account from the available water determinations in those 3 consecutive water years, plus ii. water in the account carried over from the water year prior to those 3 consecutive water years, plus iii. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus iv. any water re-credited by the Minister to the account in those 3 consecutive water years, or B. the sum of: i. the share component of this licence at the beginning of the first year in those 3 consecutive water years, plus

- ii. the share component of this licence at the beginning of the second year in those 3 consecutive water years, plus
- iii. the share component of this licence at the beginning of the third year in those 3 consecutive water years, plus
- iv. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus
- v. any water re-credited by the Minister to the account in those 3 consecutive water years.

Use of water

MA2455-00012 Water must be used for the purpose of domestic consumption and stock watering.

Monitoring and recording

MW2338-00001 The completed logbook must be retained for five (5) years from the last date recorded in the logbook.

MW2337-00001 The following information must be recorded in the logbook for each period of time that water is taken:

- A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and
- B. the access licence number under which the water is taken, and
- C. the approval number under which the water is taken, and
- D. the volume of water taken for domestic consumption and/or stock watering.

MW2339-00001 A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.

Reporting

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- A. email: water.enquiries@dpi.nsw.gov.au,
- or
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Other Conditions

NIL

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Water access licence (WAL) issued under the *Water Management Act 2000*

Water Access Licence (WAL) Number

WAL

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Find out if a **Water Act 1912** licence has been converted

- [Water licence conversion status](#)

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Search Results

Category [Subcategory]	Status	Water Source	Tenure Type	Management Zone	Share Components (units or ML)
------------------------	--------	--------------	-------------	-----------------	--------------------------------

Unregulated River	Current	Hawkesbury And Lower Nepean Rivers Water Source	Continuing	Upper South Creek Management Zone	150.00
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Extraction Times or Rates

Subject to conditions water may be taken at any time or rate

Nominated Work Approval(s)

10CA104657

- Conditions

Plan Conditions

Water sharing plan	Greater Metropolitan Region Unregulated River Water Sources
--------------------	-------------------------------------------------------------

Take of water

MW0112-00001	The maximum water allocation that may be carried over in the account for this access licence from one water year to the next water year is: A. a volume equal to 100 % of the share component of the licence, or B. 1 ML/unit share of the share component of the licence.
MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water permitted to be taken in those years must also be recorded in the logbook.
MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.
MW0670-00001	Water must only be taken if there is visible flow in the water source at the location where water is to be taken. This restriction does not apply if water is to be taken: A. from an off-river pool, an in-river pool, a runoff harvesting dam or an in-river dam pool, or B. from the following Weirs: Maldon, Douglas Park, Menangle, Camden, Sharpes, Cobbity, Mount Hunter Rivulet, Brownlow Hill, Theresa Park and Wallacia.
MW0080-00012	From 1 July 2011, water must not be taken from the Upper South Creek Management Zone of the Hawkesbury and Lower Nepean Rivers Water Source when flows are in the Very Low Flow Class, which means that the flow is 0.2 ML/day or less at South Creek at the Great Western Highway gauge [No. 212048]. This restriction does not apply if water is to be taken from a runoff harvesting dam or an in-river dam pool.
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or

B. the sum of:

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Monitoring and recording

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Reporting

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Other Conditions

NIL

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Department of
Primary Industries
Water

Boral CSR Bricks Pty Limited
c/- VGT Environmental Compliance Solutions
PO Box 2335
GREENHILLS NSW 2323
Attention: Tara O'Brien

Contact Monique Brooking
Phone 02 4224 9738
Fax 02 4224 9740
Email Monique.Brooking@dpi.nsw.gov.au
Our ref 10BL605770

Dear Ms O'Brien

Monitoring Bore Licence
Lot 100 DP 1203966, Boral Bringelly Brickworks, 60 Greendale Road,
Bringelly 2556

Please find enclosed your bore licence. You should familiarise yourself with the description of the work and the terms, limitations and conditions under which the licence is issued.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Monique Brooking', written over a light blue horizontal line.

Monique Brooking
Water Regulation Cadet
28 January, 2016

NSW Office of Water

Sydney South Coast Region
Locked Bag 5123
Level 11, 10 Valentine Avenue
Parramatta NSW 2124
Phone: (18) 00353104

BORE LICENSE CERTIFICATE
UNDER SECTION 115 OF THE WATER ACT, 1912

10BL605770



Boral C S R Bricks Pty Limited
P O Box 2335
Greenhills NSW 2323

LICENSE NUMBER
10BL605770
DATE LICENSE VALID FROM
28-Jan-2016
DATE LICENSE VALID TO
PERPETUITY
FEE
\$0.00

ABN 72189919072 GST NIL

LOCATION OF WORKS

Portion(s) or Lot/Section/DP
100//1203966

PARISH
Cook

COUNTY
Cumberland

TYPE OF WORKS
Bore

PURPOSE(S) FOR WHICH WATER MAY BE USED
Monitoring Bore

CONDITIONS APPLYING TO THIS LICENSE ARE

As shown on the attached Condition Statement

ORIGINAL

NSW Office of Water**CONDITIONS STATEMENT REFERRED TO ON
10BL605770
ISSUED UNDER PART V OF THE WATER ACT, 1912
ON 28-Jan-2016**

- (1) THE LICENCE SHALL LAPSE IF THE WORK IS NOT COMMENCED AND COMPLETED WITHIN THREE YEARS OF THE DATE OF THE ISSUE OF THE LICENCE.
- (2) THE LICENSEE SHALL WITHIN TWO MONTHS OF COMPLETION OR AFTER THE ISSUE OF THE LICENSE IF THE WORK IS EXISTING, FURNISH TO NSW OFFICE OF WATER:-
- (A) DETAILS OF THE WORK SET OUT IN THE ATTACHED FORM "A" (MUST BE COMPLETED BY A DRILLER).
- (B) A PLAN SHOWING ACCURATELY THE LOCATION OF THE WORK, IN RELATION TO PORTION AND PROPERTY BOUNDARIES.
- (C) A ONE LITRE WATER SAMPLE FOR ALL LICENCES OTHER THAN THOSE FOR STOCK, DOMESTIC, TEST BORES AND FARMING PURPOSES.
- (D) DETAILS OF ANY WATER ANALYSIS AND/OR PUMPING TESTS.
- (3) THE LICENSEE SHALL ALLOW NSW OFFICE OF WATER OR ANY PERSON AUTHORISED BY IT, FULL AND FREE ACCESS TO THE WORKS, EITHER DURING OR AFTER CONSTRUCTION, FOR THE PURPOSE OF CARRYING OUT INSPECTION OR TEST OF THE WORKS AND ITS FITTINGS AND SHALL CARRY OUT ANY WORK OR ALTERATIONS DEEMED NECESSARY BY THE DEPARTMENT FOR THE PROTECTION AND PROPER MAINTENANCE OF THE WORKS, OR THE CONTROL OF THE WATER EXTRACTED AND FOR THE PROTECTION OF THE QUALITY AND THE PREVENTION FROM POLLUTION OR CONTAMINATION OF SUB-SURFACE WATER.
- (4) IF DURING THE CONSTRUCTION OF THE WORK, SALINE OR POLLUTED WATER IS ENCOUNTERED ABOVE THE PRODUCING AQUIFER, SUCH WATER SHALL BE SEALED OFF BY:-
- (A) INSERTING THE APPROPRIATE LENGTH(S) OF CASING TO A DEPTH SUFFICIENT TO EXCLUDE THE SALINE OR POLLUTED WATER FROM THE WORK.
- (B) CEMENTING BETWEEN THE CASING(S) AND THE WALLS OF THE BORE HOLE FROM THE BOTTOM OF THE CASING TO GROUND LEVEL.
- ANY DEPARTURE FROM THESE PROCEDURES MUST BE APPROVED BY THE DEPARTMENT BEFORE UNDERTAKING THE WORK.
- (5) (A) THE LICENSEE SHALL NOTIFY NSW OFFICE OF WATER IF A FLOWING SUPPLY OF WATER IS OBTAINED. THE BORE SHALL THEN BE LINED WITH CASING AND CEMENTED AND A SUITABLE CLOSING GEAR SHALL BE ATTACHED TO THE BOREHEAD AS SPECIFIED BY NSW OFFICE OF WATER.
- (B) IF A FLOWING SUPPLY OF WATER IS OBTAINED FROM THE WORK, THE LICENSEE SHALL ONLY DISTRIBUTE WATER FROM THE BORE HEAD BY A SYSTEM OF PIPE LINES AND SHALL NOT DISTRIBUTE IT IN DRAINS, NATURAL OR ARTIFICIAL CHANNELS OR DEPRESSIONS.
- (6) IF A WORK IS ABANDONED AT ANY TIME THE LICENSEE SHALL NOTIFY NSW OFFICE OF WATER THAT THE WORK HAS BEEN ABANDONED AND SEAL OFF THE AQUIFER BY:-
- (A) BACKFILLING THE WORK TO GROUND LEVEL WITH CLAY OR CEMENT AFTER WITHDRAWING THE CASING (LINING); OR
- (B) SUCH METHODS AS AGREED TO OR DIRECTED BY NSW OFFICE OF WATER.

(7) THE LICENSEE SHALL NOT ALLOW ANY TAILWATER/DRAINAGE TO DISCHARGE INTO OR ONTO:-

- ANY ADJOINING PUBLIC OR CROWN ROAD;
- ANY OTHER PERSONS LAND;
- ANY CROWN LAND;
- ANY RIVER, CREEK OR WATERCOURSE;
- ANY NATIVE VEGETATION AS DESCRIBED UNDER THE NATIVE VEGETATION CONSERVATION ACT 1997;
- ANY WETLANDS OF ENVIRONMENTAL SIGNIFICANCE.

(8) WORKS USED FOR THE PURPOSE OF CONVEYING, DISTRIBUTING OR STORING WATER TAKEN BY MEANS OF THE LICENSED WORK SHALL NOT BE CONSTRUCTED OR INSTALLED SO AS TO OBSTRUCT THE REASONABLE PASSAGE OF FLOOD WATERS FLOWING INTO OR FROM A RIVER.

(9) IF THE BORE AUTHORISED BY THIS LICENSE IS LINED WITH STEEL OR PLASTIC CASING THE INSIDE DIAMETER OF THAT CASING SHALL NOT EXCEED 220 MM.

(10) WATER SHALL NOT BE PUMPED FROM THE BORE AUTHORISED BY THIS LICENSE FOR ANY PURPOSE OTHER THAN GROUNDWATER INVESTIGATION.

(11) SUBJECT TO CONDITION (12) THE LICENSEE SHALL WITHIN TWO MONTHS OF THE DATE OF COMPLETION OF THE BORE AUTHORISED BY THE LICENSE,

(1) BACKFILL IT WITH CLAY OR CEMENT TO GROUND LEVEL, AFTER WITHDRAWING ANY CASING(LINING), OR:-

(2) RENDER IT INEFFECTIVE BY ANY OTHER MEANS ACCEPTABLE TO THE DEPARTMENT.

(12) CONDITION (11) SHALL HAVE NO FORCE OR EFFECT IF:-

(1) AT THE RELEVANT TIME THERE IS WITH NSW OFFICE OF WATER, AN APPLICATION IN RESPECT OF WHICH THE DEPARTMENT HAS NOT MADE A DECISION TO CONVERT THE GROUNDWATER INVESTIGATION BORE INTO A PRODUCTION BORE; OR

(2) THE LICENSEE HAS COMPLETED THE BORE FOR THE PURPOSE OF MEASURING WATER LEVELS OR WATER QUALITY BY THE ADDITION OF CASING WITH A DIAMETER NOT EXCEEDING 220MM.

End Of Conditions



BORAL BRINGELLY GROUNDWATER ASSESSMENT

BORAL LIMITED

SITE PLAN



LEGEND

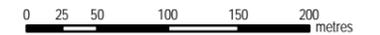
- GW01 (87.6) Standpipe Piezometer (mAHD)
- Proposed Site Access
- Surface Elevation Contour - 2m Interval
- Watercourse
- Property Boundary (2/73115)
- Project Site
- Quarry Extraction Cell
- Raw Materials Storage
- Brick Making Facility
- Material Storage Facility
- Water Body

NOTES

1. Base data supplied by Boral Limited.
2. Imagery dated 18 May 2013.

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1. Imagery copyright Nearpap.
2. Inset Map Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013



SCALE (at A3) 1:5,000

DATUM GDA 94, PROJECTION MGA Zone 56

PROJECT: 137626001
DATE: 30 AUG 2013
DRAWN: SL
CHECKED: DB

FIGURE 2



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Issue Date: 16/09/19	Review Date: 16/09/20
Writer: VGT	Authorised by: National WHSE Manager



Appendix E: Community Consultation Committee Guideline



Community Consultative Committee Guideline

*State
Significant
Projects*

January 2019

January 2019

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Disclaimer

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The Department of Planning and Environment (the Department) is committed to community engagement in the NSW planning system. It recognises that people should have a say in matters that affect their lives, and that community engagement results in better planning outcomes.

State significant projects are large, complex, and can have major economic, social and environmental impacts over a long time.

The Department encourages proponents to consult widely with the community and stakeholder groups at all stages of these projects.

This is to ensure that the community and stakeholder groups are:

- o kept informed of the status of projects, any new initiatives, and the performance of proponents
- o consulted on the development of projects, management plans and proposed changes to approved projects
- o able to provide feedback to proponents on key issues that may arise during the development or implementation of projects.

Effective community engagement can occur in many ways, and proponents should be innovative when they engage with the community and use a range of tools and techniques. They should also tailor their engagement to reflect the scale and nature of the project and its potential impacts.

For many years, Community Consultative Committees have played an important role in ensuring proponents engage with the community and stakeholder groups on State significant projects.

The Department has developed this guideline to clarify the roles and responsibilities of Community Consultative Committees, and to help these committees operate effectively.

This guideline will apply to the establishment and operation of all new Community Consultative Committees, and to the ongoing operation of existing committees (to the extent they are relevant).

If there is any doubt about the application of this guideline, the matter should be referred to the Department for resolution.

This guideline will be reviewed every 5 years to keep it up to date.

1 Purpose of the committee

The purpose of a Community Consultative Committee is to provide a forum for discussion between a proponent and representatives of the community, stakeholder groups and the local council on issues directly relating to a specific State significant project.

A Community Consultative Committee is not a decision-making or regulatory body: it performs an advisory and consultative role.

Government agencies will remain responsible for ensuring proponents comply with any statutory obligations.

More specifically, the purpose of the committee is to:

1. establish good working relationships and promote information sharing between the proponent, local community, stakeholder groups and councils on individual State significant projects



2. allow the proponent to keep the community informed about projects, seek community views on projects, and respond to matters raised by the community
3. allow community members and local councils to seek information from the proponent and give the proponent feedback on the development and implementation of projects to assist with the delivery of balanced social, environmental and economic outcomes for the community, including:
 - the development of new projects or proposed changes to approved projects
 - the implementation of any conditions of approval and management plans
 - the results of any monitoring, annual reviews or independent audits
 - community concerns about the project
 - the resolution of community complaints
 - any community initiatives.

2 Establishment of the committee

The Department will decide whether a Community Consultative Committee should be established for a State significant project, considering factors such as:

- the scale and nature of the project and its potential impacts
- the level of public interest in the project
- the proponent's community engagement strategy
- whether a Community Consultative Committee would complement any other consultation initiatives being undertaken.

If a proponent's community engagement strategy accords with best practice and is appropriately tailored to the particular characteristics of a project, there should be no need for a Community Consultative Committee in the early stages of a project.

For some long linear infrastructure projects, such as major road or rail projects, the Department may require several committees to be established, covering different areas of the project.

If the Department decides a Community Consultative Committee is warranted, it will require proponents to establish these committees either:

- early in the assessment process through the Planning Secretary's environmental assessment requirements (SEARs) for the project
- following approval through the conditions of approval for the project.

It may also specify other matters in these requirements or conditions, such as the composition of the committee and frequency of committee meetings.

In cases where proponents are required to establish Community Consultative Committees in the SEARs, the Department will not exhibit the project application before the proponent has complied with the relevant SEARs.



3 Members of the committee

3.1 Membership of the committee

The committee will comprise:

1. an independent chairperson
2. up to seven community and stakeholder representatives
3. a council representative from each of the local government areas concerned
4. up to three representatives from the proponent including the person with direct responsibility for environmental management of the project.

The Department will not be a member of any committee but may attend certain committee meetings.

3.2 Independent chairperson

The independent chairperson must be:

- a convener, facilitator, mediator and advisor for the committee
- independent and impartial
- the key contact between the committee and the Department.

The Department will recruit, appoint and review the performance of all independent chairpersons.

The Department has established a pool of suitable independent chairpersons for Community Consultative Committees and will update this pool regularly.

Members of this pool have:

- experience in community relations, facilitation, mediation or public advocacy
- an understanding of the regulatory requirements for State significant projects, and the issues associated with these projects
- a proven track record in convening and managing stakeholder committees with independence.

A list of the members of this pool and a summary of their credentials is published on the Department's website.

The Planning Secretary of the Department (or a nominated representative) will appoint the independent chairperson for individual projects from the pool, after confirming the person has no conflicts of interest.

Proponents must pay the chairperson's standard fees, as well as the fees of any note-taker the chairperson may use to take the minutes of any meeting.

The independent chairperson must oversee the preparation and publication of the minutes of committee meetings, and report annually to the Department on the operation of the committee.

A copy of the committee's annual report will be published on the Department's website.

The Department may review the performance of the independent chairperson at any time.

If the proponent or more than half the community representatives have concerns about the conduct or performance of the independent chairperson (e.g. there is an ongoing perception of bias, inappropriate control,

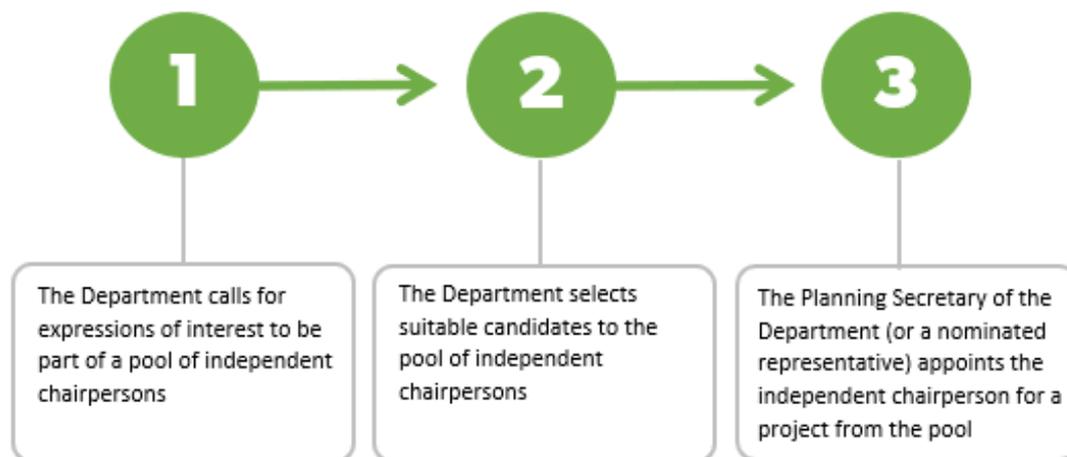


refusal to share information or to adhere to the wishes of the committee), they may refer the matter to the Department. The Department will examine the concerns and determine what, if any, action should be taken.

If the Planning Secretary of the Department (or a nominated representative) decides to replace the independent chairperson or the independent chairperson resigns from the committee, the Planning Secretary of the Department (or a nominated representative) will appoint a new chairperson from the pool.

This appointment will be made within two weeks of the Planning Secretary's decision or the Department being notified of the resignation.

3.3 Selection process for the independent chairperson



3.4 Community representatives

Community representatives will be selected from the local community or stakeholder groups.

Employees or contractors of the proponent are not eligible to be appointed as community representatives.

Local community representatives must:

- be current residents or landowners within the affected local government area/s
- demonstrate involvement in local community groups and/or activities
- have knowledge and awareness of the project and related issues of concern to the local community
- be able to represent and communicate the interests of the affected local community
- be willing to adhere to the committee's code of conduct.

Representatives of stakeholder groups must:

- be a member of a stakeholder group with an interest in the project, including an industry, community, environmental or Aboriginal group
- have knowledge and awareness of the project and related issues of concern
- be able to represent and communicate the interests of the group or community
- be willing to adhere to the committee's code of conduct.



3.5 Appointing community representatives

The independent chairperson is to oversee the selection process for the community representatives of the Community Consultative Committee.

After consulting with the independent chairperson, the proponent is to seek expressions of interest for the committee by placing at least two advertisements in local or regional media publications (i.e. newspapers) (refer to the Toolkit of Resources) and advertising through one or more of the following avenues:

- local businesses
- community or sporting centres
- local council websites.

The advertising period must give community members sufficient time to apply and should be no less than 28 days.

Applications can be emailed or mailed directly to the independent chairperson.

Within two weeks of the end of the advertising period, the independent chairperson must:

- review the applications against the relevant selection criteria
- send a copy of all the applications to the Department
- make a recommendation to the Department on who should be appointed to the committee, including any alternate representatives for local community members, and provide reasons why they should be appointed.

Within two weeks of receiving these recommendations, the Planning Secretary of the Department (or a nominated representative) will appoint the community representatives to the committee and any alternate representatives, and formally notify the successful and unsuccessful applicants, the independent chairperson and the proponent of the decision.

The Department may review the performance of community representatives at any time.

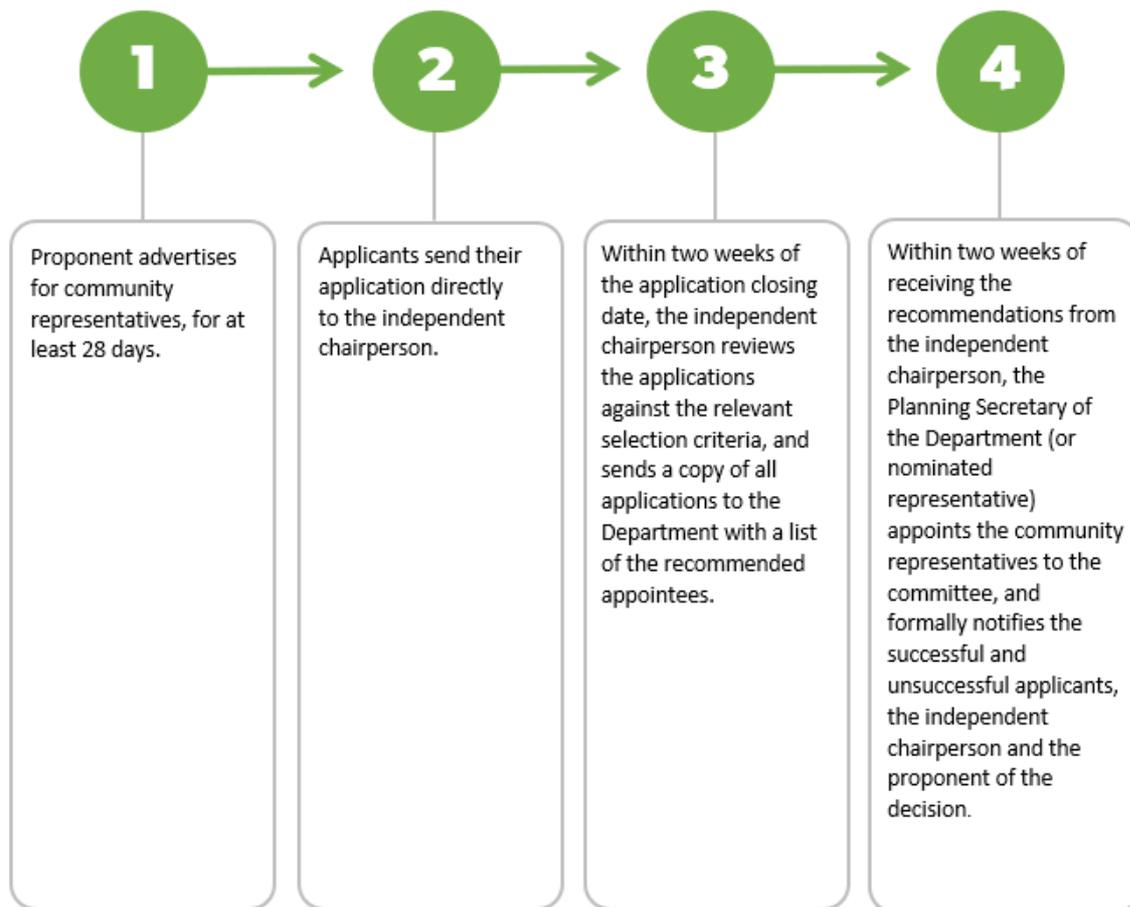
If the independent chairperson has concerns about the conduct of a member of the committee, they may refer the matter to the Department. The Department will examine these concerns and determine what, if any, action should be taken.

If the Department decides to replace a community representative on the committee or a community representative resigns from the committee, the Planning Secretary of the Department (or a nominated representative) will appoint a new representative to the committee in consultation with the independent chairperson.

This appointment will be made within two weeks if a suitable replacement is available or following the standard selection process.



3.6 Selection process for community representatives



3.7 Proponent and council representatives

The proponent and local council will appoint their representatives directly to the committee.

3.8 Alternate representatives

If the independent chairperson is unable to attend a committee meeting, the Department will appoint another person from the pool to chair the meeting.

If a representative from a stakeholder group, local council, or the proponent is unable to attend a meeting they must notify the independent chairperson as soon as possible and nominate an alternative representative from their organisation or group to attend the meeting.

If a local community representative is unable to attend a meeting they must notify the independent chairperson as soon as possible so the chairperson can select an alternate representative to attend the meeting.

The use of alternate representatives should be kept to a minimum.

The independent chairperson may request the replacement of any member who fails to attend three consecutive committee meetings.



4 Committee meetings

4.1 Frequency, timing and location of meetings

The committee should determine the frequency of committee meetings, after considering factors such as the:

- size and complexity of the project
- stage of the project
- level of public interest
- sensitivity of the site and surrounds.

In some cases, however, the Department will determine the frequency of the meetings in consultation with the independent chairperson.

The frequency of meetings may vary over time as a project moves through different stages. For instance, a committee may meet at least four times a year during construction, but only once or twice a year during operations.

If there are important and urgent matters requiring consideration, any member of the committee may ask the independent chairperson to convene an extraordinary meeting of the committee.

The independent chairperson must decide whether the extraordinary meeting is warranted, or whether the matters can be addressed in other ways.

Members should be given at least four weeks notice before a regular committee meeting, and two weeks notice before an extraordinary meeting.

The proponent must provide suitable facilities for committee meetings, and the meetings should be held at a time and place generally convenient to all committee members.



In areas with a high concentration of State significant projects, consideration should be given to holding joint Community Consultative Committee meetings from time to time.

These meetings should focus on matters that are of common interest to these committees, such as the cumulative impacts of the projects.

4.2 Meeting proceedings

Committees should follow good meeting practice and adopt standard procedures for their meetings.

The independent chairperson must:

- formulate the agenda for all meetings in consultation with the members of the committee
- convene and run meetings in a fair and independent manner
- facilitate discussion to ensure all members have an opportunity to speak and share their views
- identify any items of a confidential nature and assist committee members to understand how this information may, or may not, be used
- support constructive dialogue
- resolve disagreements or differences of opinion in a fair, transparent and supportive manner.

Any member may propose a matter for inclusion on the agenda, either before or during a meeting, providing the matter is within the purpose of the committee. This may include inviting a technical expert to present to the committee.

The independent chairperson must ensure that issues raised by community representatives on behalf of the community are properly considered.

If agenda items are supported by detailed reports, then these reports must be distributed to members at least one week before the meeting.

Late items may be deferred to a following meeting.

The committee may decide to undertake regular site visits of the project in conjunction with its meetings, or at other convenient times.

Committee meeting agenda items would normally be expected to include:

1. Apologies.
2. Declaration of pecuniary or other interests.
3. Business arising from previous minutes - response to issues raised or provision of additional information requested.
4. Correspondence.
5. Proponent reports and overview of activities, including:
 - progress of the project
 - issues arising from site visits
 - monitoring and environmental performance



- community complaints and response to these complaints
 - information provided to the community and any feedback.
6. Other agenda items.
 7. General business.
 8. Next meeting.

4.3 Minutes of meetings

The independent chairperson must prepare minutes for each committee meeting.

These minutes must:

- provide an accurate summary of the matters that were discussed at the meeting, including any community concerns expressed and inquiries made
- record the dissenting views of members on a matter
- clearly identify the actions to be taken before the next meeting, who is responsible for these actions, and by when.

The independent chairperson may employ a note taker to assist with this task and recover any associated costs from the proponent.

Within one week of a meeting, the independent chairperson must distribute the draft minutes to all committee members.

Committee members have one week to provide their feedback to the independent chairperson.

Within two weeks of receiving this feedback, the independent chairperson must finalise the minutes in consultation with the members, and ensure the proponent publishes them on its website (in a web accessible format).

If there are any disagreements between members on the minutes, the independent chairperson will have the final say on the matter.

Recording of meetings - by recording device, telephone or any other electronic device is not permitted without the prior agreement of the independent chairperson and the committee.

4.4 Conduct of committee members

All members, including the independent chairperson and alternative representatives, must sign a code of conduct agreement before they join a Community Consultative Committee (refer to the Toolkit of Resources), and comply with this code while they are members of the committee.

The independent chairperson must bring any breach of the code to the attention of the persons concerned.

This may take the form of a verbal warning during a meeting, which is formally recorded in the meeting's minutes, or a written warning following the meeting.

Following three warnings, the independent chairperson may ask the Department to replace the member if it is a community representative, or the proponent or local council to replace their member.



Similarly, the independent chairperson may request the replacement of any member who fails to attend three consecutive committee meetings.

4.5 Attendance by non-committee members

Members may ask the independent chairperson to invite non-committee members to attend meetings, either as observers or to provide advice to the committee.

This may include:

- representatives of the Department or other State government agencies
- technical experts or consultants
- members of the general public.

The independent chairperson is to consult with the other members of the committee before issuing the invitation. If there is any disagreement between the members about the invitation, the independent chairperson will have the final say on the matter.

Non-committee members cannot participate in the business of a meeting unless they are invited to do so by the independent chairperson.

4.6 Pecuniary and other interests

All members must sign a declaration of pecuniary and non-pecuniary interest before they join the Community Consultative Committee (refer to the Toolkit of Resources) and keep this declaration up to date while they are members of the committee.

These declarations should include any pecuniary or other interest (including any payment, gift or benefit) intended or likely to influence - or that could be reasonably perceived by an impartial observer as intended or likely to influence - the member to:

- act in a particular way (including making a particular decision)
- fail to act in a particular circumstance
- otherwise deviate from the proper exercise of their duty as a member.

Examples of pecuniary or other interests include holding shares in an entity carrying out the project, holding a private contract with the proponent, holding voluntary acquisition or mitigation rights under the proponent's consent, or receiving sitting fees or payments of personal expenses from the proponent; and if the member represents a stakeholder group, if the stakeholder group has received funding or a grant from the proponent.

This guideline establishes no requirement in respect of personal interests other than declaration. However, the committee may determine that a personal interest is sufficient that a member should withdraw from discussion on a particular issue.

4.7 Committee training

The independent chairperson should ensure new members are given suitable induction training to equip them for their role on the committee.

The committee may seek funding or other assistance from the proponent for training members or developing the skills of the committee.



This may include training in:

- communications and conflict resolution
- best practice environmental management and community relations.

The proponent should support any reasonable requests from the committee for such training.

4.8 Committee funding and remuneration

The committee may seek annual or one-off funding from the proponent to help it perform its functions effectively. It is up to the proponent whether or not it agrees to such requests.

Community representatives are not eligible to receive sitting fees from the proponent, but may seek reimbursement of personal out of pocket expenses associated with attending meetings. It is up to the proponent whether or not it agrees to these expenses being paid.

If fees or expenses are paid to members for meetings, then the fact that a payment is being made (and not the actual amount) should be declared as a pecuniary interest and recorded in the minutes of the meeting.

4.9 Review of a committee's effectiveness

If the independent chairperson has concerns about the effectiveness of the committee they may refer the matter to the Department.

The Department will examine these concerns and determine what, if any, action should be taken.

If the committee is found to be ineffective, the Department may decide to dissolve or reconstitute the committee.

4.10 Dispute resolution

Although the committee is not a decision-making or regulatory body, and consensus is not required on all matters, it should discuss and try to resolve any disagreements between members.

The independent chairperson is responsible for trying to resolve any disputes that arise, either between members of the committee or between the members of the committee and the proponent.

If the independent chairperson is unable to resolve the dispute, then they may refer the matter the Department for resolution or advice.

The Department's decision on the matter will be final.

5 Responsibilities of the proponent

The proponent must provide the committee with timely, accurate and comprehensive reports on the project, including the status of the project, existing operations, environmental performance and community relations. This does not include matters of a financial or commercial nature.

The proponent must also provide the committee with copies of:

- the project's consent and other relevant documents, including management plans
- results of environmental monitoring



- annual review or compliance reports
- audit reports
- reports on community concerns or complaints and the proponent's response to these matters
- any other information specified by the Department.

These documents may be provided electronically, but hard copies of the documents should be provided to individual committee members upon request.

The proponent should consult with the committee before it lodges any applications with the Department and notify committee members when these applications are lodged.

The proponent must respond to any questions asked or advice given by the committee about the proponent's environmental performance or community relations. These responses must be given to members within 28 days of a committee meeting, unless the meeting's minutes specify otherwise.

Finally, the proponent must organise site visits for the committee if requested by the independent chairperson.

6 Communication with the broader community

Committee members are encouraged to discuss concerns and disseminate information about the project with the wider community, including stakeholder groups.

Where appropriate, the independent chairperson may also give briefings to stakeholder groups. In these cases, the independent chairperson must report back to the committee on the outcomes of these briefings.

With the agreement of the whole committee, the committee may agree to release statements or other information to the media or to adopt other approaches to public dissemination of information. However, only the independent chairperson may speak publicly on behalf of the committee.

Individual committee members may make comments to the media or in public forums on behalf of themselves or their stakeholder groups, but not on behalf of the committee.

There is a presumption that documents and other information provided to the committee can generally be made available to the community.

However, committee members may ask for certain information (e.g. a declaration of interest, site visit photos, or information which the proponent considers to be commercial-in-confidence) to be kept confidential by the committee.

If there is any disagreement between members of the committee on whether such information should be kept confidential, the independent chairperson will have the final say on the matter.

If the committee or independent chairperson decides that a matter discussed at a meeting is to be kept confidential, members must respect this confidentiality and refrain from discussing the matter with other parties outside the meeting.

The name, credentials and (if the member agrees) contact details of all members of the Community Consultative Committee must be published in a prominent position on the proponent's website.

Requests from the public for items to be included on the committee's agenda may be directed to individual members or the independent chairperson.



Glossary of Terms

Community – A group of people living in a specific geographical area or with mutual interests that could be affected by a State significant project

Environment – includes all aspects of the surroundings of humans, whether affecting any human as an individual or in his or her social groupings

Proponent – The person or entity seeking approval for a State significant project, or acting on an approval for a State significant project

Stakeholder group – a group or organisation — including an industry, community, environmental or Aboriginal group — that represents several people with an interest in a State significant project

State significant project – a project that is defined as State significant development or State significant infrastructure under the Environmental Planning & Assessment Act 1979



***Toolkit of
Resources for
Community
Consultative
Committees***



Sample Advertisement for Community Members

Proponents must advertise for the community representatives of Community Consultative Committees. This advertising should be placed in local or regional media publications, on websites, and at local councils, businesses, or prominent community or sporting centres. Members of the local community or stakeholder groups with a particular interest in the project should also be notified.

Community members should be given at least 28 days to apply. All applications must be sent to the independent chairperson of the committee.

The independent chairperson is to review the applications against the relevant selection criteria (see page 5 of the guideline) and recommend the community representatives for the committee to the Department. The Planning Secretary of the Department (or nominated representative) will consider the recommendation and appoint the community representatives to the committee. A sample advertisement for community representatives is provided below.

This advertisement should be tailored to the specific circumstances of the project, and include information on the:

- State significant project
- current stage of the project (approval is being sought or the project is approved, and construction is scheduled to start shortly).

It should also clearly identify the selection criteria for local community representatives and representatives of stakeholder groups.

NOMINATIONS ARE OPEN FOR APPOINTMENT OF COMMUNITY MEMBERS TO THE [INSERT DEVELOPMENT NAME] COMMUNITY CONSULTATIVE COMMITTEE

Want to contribute to your community?

Many State significant projects in NSW have Community Consultative Committees.

These committees provide a forum for open dialogue between the proponent and representatives of the local community, stakeholder groups and local councils on issues directly relating to the project.

We are looking for a mix of people who live locally or are members of a stakeholder group (community, environment, Aboriginal or industry) to join our new [INSERT DEVELOPMENT NAME] Community Consultative Committee.

Your role as a committee member is voluntary.

Selection criteria: You will be expected to contribute constructively to committee discussions, attend around (four) meetings a year, and communicate information about [INSERT DEVELOPMENT NAME] between the committee and the broader community.

If you would like to apply, download a copy of the relevant nomination form at [INSERT DPE WEBSITE DETAILS]. Contact [INSERT INDEPENDENT CHAIRPERSON DETAILS] at [INSERT INDEPENDENT CHAIRPERSON CONTACT DETAILS] for more information.

Applications must be lodged by [INSERT DATE] and sent to the independent chairperson of the Community Consultative Committee at [INSERT NAME AND CONTACT DETAILS OF INDEPENDENT CHAIRPERSON]



Nomination Form

Local Community Representatives

January 2019

Nomination details

I hereby nominate to be a local community representative on the [DEVELOPMENT NAME]

..... Community Consultative Committee.

I accept that selection and appointment to the committee will be subject to my:

- being a current resident or landowner in the affected local government area/s
- being able to demonstrate my involvement in local community groups or activities
- having knowledge and awareness of the project and related issues of concern to the local community
- being able to represent and communicate the interests of the affected local community
- being willing to adhere to the committee's code of conduct.

I have attached a supporting letter demonstrating how I meet the above criteria for membership.

Signed declaration

If appointed to the committee, I:

- confirm that I am aware of my responsibilities as a local community representative on the [DEVELOPMENT NAME]
..... Community Consultative Committee;
- accept that the position is voluntary with no entitlement to remuneration
- agree to sign and comply with the committee's code of conduct agreement
- agree to sign a declaration of pecuniary and non-pecuniary interests and keep this declaration up to date.

Name

Phone number



Nomination Form

Local Community Representatives

January 2019

Address

Stakeholder group (if relevant)

Signature and date

This signed nomination form and supporting letter must be sent directly to the independent chairperson of the Community Consultative Committee and not to the Department of Planning and Environment. The independent chairperson's details can be found on the advertisement calling for nominations.



Nomination form

Representatives of Stakeholder Groups

January 2019

Nomination details

I hereby nominate to be a community representative on the [DEVELOPMENT NAME]

..... Community Consultative Committee.

I accept that selection and appointment to the committee will be subject to my:

- being a member of a stakeholder group with an interest in the project, including an industry, community, environmental or Aboriginal group
- having knowledge and awareness of the project and related issues of concern
- being able to represent and communicate the interests of the group or community
- being willing to adhere to the committee's code of conduct.

I have attached a supporting letter demonstrating how I meet the above criteria for membership.

Signed declaration

If appointed to the Committee, I:

- confirm that I am aware of my responsibilities as a community representative on the [DEVELOPMENT NAME]
..... Community Consultative Committee;
- accept that the position is voluntary with no entitlement to remuneration;
- agree to sign and comply with the committee's code of conduct agreement; and
- agree to sign a declaration of pecuniary and non-pecuniary interests and keep this declaration up to date.

Name

Phone number



Nomination form

Representatives of Stakeholder Groups

January 2019

Address

Stakeholder group

Signature and date

This signed nomination form and supporting letter must be sent directly to the Community Consultative Committee Independent Chairperson and not to the Department of Planning and Environment. The Independent Chairperson's details can be found on the advertisement calling for nominations.



Code of Conduct Agreement – Independent Chairperson

As a condition of engagement, the independent chairperson of a Community Consultative Committee must agree to adhere to the following code of conduct.

Accepted behaviour

As the independent chairperson of the [INSERT DEVELOPMENT NAME] Community Consultative Committee, I understand I am expected to:

- personally chair all committee meetings, or if I can't be present get the Planning Secretary of the Department to appoint an alternate chairperson for the meeting from its pool of independent chairpersons
- oversee the appointment of community representatives to the committee
- ensure that all matters dealt with by the committee fit within the purpose of the committee
- act as a convener, facilitator, mediator and advisor for the committee to ensure that members can put forward views and that they are not interrupted
- be independent and impartial with respect to all members of the committee
- create an atmosphere of open and constructive participation by the members of the committee where they can communicate relevant concerns, interests and ideas and express their reasons for any disagreement
- actively work with the members of the committee to try and resolve any disputes that may arise during the committee's activities
- ensure confidential matters handled by the committee are kept confidential
- be the key contact between the committee and the Department and other external parties
- advise the Department as soon as possible of any potential or actual conflict of interest that may affect my ability to fulfil my role on the committee
- ensure members of the committee comply with the code of conduct, and issue warnings to members who do not comply with this code
- review the performance of the committee from time to time and refer any matters of concern to the Department.

Signed declaration

As the independent chairperson of the committee, I agree to abide by this code of conduct.

I further declare that I have no conflicts of interest in relation to appointment to this committee.

Name

Contact details

Address

Signature and date



Code of Conduct Agreement – Members

As a condition of engagement, all members of the Community Consultative Committee must agree to adhere to the following code of conduct.

Accepted behaviour

As a member of the [INSERT DEVELOPMENT NAME] Community Consultative Committee, I understand I am expected to:

- attend committee meetings, at dates and times set by the committee’s independent chairperson
- advise the independent chairperson in advance if I am unable to attend meetings
- respectfully engage with other members of the Committee
- contribute to an atmosphere of open and constructive participation
- openly communicate relevant concerns, interests and ideas and make reasons for any disagreement clear in a constructive and thoughtful manner
- put forward views but also remain committed to open and shared dialogue
- actively work with the members of the committee to try and resolve any disputes that may arise during the committee’s activities
- ensure confidential matters handled by the committee are kept confidential, and refrain from discussing these matters with other parties outside meetings
- not interrupt when another member is speaking
- not speak publicly on behalf of the committee
- not misrepresent the views of other members of the committee outside meetings
- immediately advise the independent chairperson during meetings of any potential or actual conflict of interest relating to matters under discussion
- abide by the directions of the independent chairperson.

I understand that if I miss three consecutive meetings I may be replaced on the Committee.

Signed declaration

As a member of the committee, I agree to abide by this code of conduct.

Name

Contact details

Address

Stakeholder group (if you relevant)

Signature and date



Declaration of Pecuniary and Non-Pecuniary Interests

All members of Community Consultative Committees must sign a declaration of pecuniary and non-pecuniary interests before they join the committee and keep this declaration up to date while they are members on the committee.

This declaration is designed to protect the integrity of the committee and the reputation of its members.

Examples of pecuniary interest may include but are not limited to:

- holding shares in an entity proposing or carrying out all or part of a State significant project
- holding a private contract with the proponent
- holding voluntary acquisition or mitigation rights under the proponent’s consent
- receiving sitting fees or payments of personal expenses from the proponent
- a member representing a stakeholder group and the stakeholder group has received funding or grants from the proponent.

A pecuniary interest is an interest a person has in a matter because of a reasonable likelihood or expectation of appreciable financial gain or loss to the person. Money does not have to change hands for there to be a pecuniary interest.

A non-pecuniary interest is a private or personal interest a person has that does not amount to a pecuniary interest but that may arise from family or personal relationships, involvement in community, social or other cultural groups that may include an interest of a financial nature.

A No pecuniary or non-pecuniary interest to declare

As a member of the [INSERT DEVELOPMENT NAME] Community Consultative Committee I declare that I have no pecuniary or non-pecuniary interest to prevent me from carrying out my role on the [INSERT DEVELOPMENT NAME] Community Consultative Committee impartially and in the best interests of the local and broader community.

Should this change, I agree to update this declaration and advise the committee accordingly.

Name

Signature

Date

B Pecuniary or non-pecuniary interest to declare

As a member of the [INSERT DEVELOPMENT NAME] Community Consultative Committee, I declare that I have the following interests (tick as appropriate) that are relevant to the operation of the committee:

Pecuniary interest. Please provide details:

.....



.....
.....

Non-pecuniary interest. Please provide details:

.....
.....
.....

Should this change, I agree to update this declaration and advise the committee accordingly.

I understand this declaration, and any subsequent actions that flow from this declaration, will be noted the committee's meeting notes, and that the independent chairperson of the committee may ask me to withdraw from discussion on particular issues.

Name

Signature

Date



DOCUMENT CONTROL	
Doc No. BRK-BRI EMS-R4	Version:4
Reason for Revision: DPIE amendments	
Issue Date: 16/09/19	Review Date: 16/09/20
Writer: VGT	Authorised by: National WHSE Manager



Appendix F: Pollution Incident Response Management Plan



POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

Bringelly Brick Plant
Lot 2 Greendale Road, Bringelly, NSW 2556

August 2019

CSR Brick Pty Ltd

Pollution Incident Response Management Plan

Document Control: Revision History, Tests and Training

The Document Control table below will reflect all PIRMP Revision Details for at least four consecutive years.

Version	Date	Revision Details	Revised by	Approved by
Version 0	29/07/16	Supersedes previous Boral versions with new format and additional details to reflect: <ul style="list-style-type: none"> • Boral & CSR merger • PIRMP Test completed on 11/07/16 • PIRMP Training conducted 11/07/16 • Annual Review of PIRMP 13/07/16 	Attila Balazs (ECS) Frank Fruin (PGH)	Frank Fruin (PGH) Debbie Cook (PGH)
Version 1	2/5/17	Updated with septic system spill and contacts and updated training	Tony West(CSR)	Tony West(CSR)
Version 3	11/9/18	Reviewed	Tony West (CSR)	Tony West (CSR)
Version 4	6/11/18	Reviewed	Tony West (CSR)	Tony West (CSR)
Version 5	20/8/19	Reviewed – Amendments made from Nat Env Audit findings.	Lorraine Mellin (CSR)	Tony West (CSR)

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Executive Summary

This Pollution Incident Response Management Plan (PIRMP) has been prepared for the Boral-CSR Bringelly Brick Plant operating within the conditions of an Environment Protection Licence (EPL No.1808) issued under the *Protection of the Environment Operations Act 1997* (POEO Act).

All holders of an EPL are required to prepare and implement a PIRMP which includes procedures for the:

- Identification, risk assessment and appropriate controls in minimising the potential for a pollution incident associated with the Site operations and materials;
- Efficient and effective response to pollution incidents;
- Comprehensive and timely communication about a pollution incident to:
 - employees, contactors and visitors;
 - the **EPA** and other relevant Authorities such as local councils, NSW Ministry of Health, WorkCover NSW, and Fire and Rescue NSW; and
 - neighbours and communities who may be impacted by the pollution incident; and
- Testing and review of the PIRMP for its accuracy, currency and effectiveness in responding and communication of a pollution incident.

The following flowchart provides a summary on the activation procedure of the Bringelly Brick Plant PIRMP.

PIRMP Activation Procedure

All Employees and Contractors

Any **Pollution Incident** such as spill / leak / fire / excessive dust **Must** be **Immediately Reported** to the Plant Manager with details of severity and response
(See Sect 1.1 for Definitions of Pollution Incident and Immediate Reporting)



Plant Manger

Does the incident have potential for **Material Harm**?
(See Sect 1.1 for Definition of Material Harm)



Plant Manger

No requirement for “**Immediate Reporting**”. However, decision should be subject to updates on incident response status



Plant Manger & PIRMP Response Team

- Ensure appropriate response is being conducted to safely minimise impacts (See Sect 4.1 & 4.2)
- Ensure all employees / contractors / visitors are safe and restricted from incident area (See Sect 3.1)
- Notify Authorities of the incident nature, substances involved, risks and response (See Sect 5.1)
- Notify neighbours/community of incident and any precautions they may need to take (See Sect 5.2)
- Coordinate with Authorities or external incident response - if in attendance (See Sect 4.1 & 4.2)
- Provide appropriate updates to Authorities and neighbours/community (See Sect 4.2 - Table 4)

Once Incident response has been completed



Plant Manger & PIRMP Response Team

- Notify Authorities and neighbours/community incident response has been completed
- Inform Authorities and neighbours/community of any ongoing precautions required
- Clean-up response materials and dispose through licensed waste service provider
- Engage environmental consultants to investigate and remediate contamination (if required)
- Consider Duty to Report obligations on any residual contamination to EPA under S60 of CLM Act
- Conduct incident investigation and revise PIRMP with any learnings - **within 30-days of incident**
- If any amendments required to PIRMP then post revised version on website
- Provide incident investigation summary to Authorities, neighbours and community

(See Sect 4.2 - Table 4)

1 INTRODUCTION

This Pollution Incident Response Management Plan (**PIRMP**) has been prepared for the PGH Bringelly Brick Manufacturing Plant (**the Site**) which operates under the regulatory requirement of an Environment Protection Licence (**EPL No. 1808**) administered by the NSW Environment Protection Authority (**EPA**).

All holders of an EPL are required to prepare and implement a PIRMP which provides details on the manner in which the Site will comply with the requirements of Part 5.7A of the *Protection of the Environment Operations Act 1997* (**POEO Act**) and relevant clauses of the *POEO General Regulation* (**POEO Gen Reg**), which includes procedures for the:

- Identification, risk assessment and appropriate controls in minimising the potential for a pollution incident associated with Site operations and materials;
- Efficient and effective response to pollution incidents;
- Comprehensive and timely communication of a pollution incident to:
 - employees, contactors and visitors;
 - the **EPA** and other relevant Authorities such as local councils, NSW Ministry of Health, WorkCover NSW, and Fire and Rescue NSW; and
 - neighbours and communities who may be impacted by the pollution incident; and
- Testing and review of the PIRMP for accuracy, currency and effectiveness in responding and communication of a pollution incident.

1.1 KEY PIRMP DEFINITIONS

The following definitions provide an understanding of three key terms that the EPA generally reference in relation to when a PIRMP is expected to be activated:

Pollution Incident means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.

Material Harm to the environment is when:

- It involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, **or**
- it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and loss includes the reasonable costs and expenses that would be

incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

Immediately Reporting simply means promptly and without delay. The amount of time that this actually takes is likely to change depending on the circumstances of the incident.

1.2 SITE DESCRIPTION AND OPERATIONS

The Site is approximately 385 hectares in area and has operated as a brickworks facility since 1968. The Site was purchased by Boral in 1983 and received significant upgrades to operations commenced in 1993. In 2015, as part of a joint merger agreement between Boral and CSR, the Site ownership, operations and Regulatory compliance obligations were transferred to Boral-CSR Bricks Pty Ltd.

The Site operations require relatively small quantities of chemicals and materials that could be considered to have potential for causing material harm. Furthermore, the Site is predominantly surrounded by rural grazing land with very few residential premises in close proximity and in the unlikely event of a significant pollution incident, minimal impact upon neighbours or the local community would be expected (Refer to Figure 1).

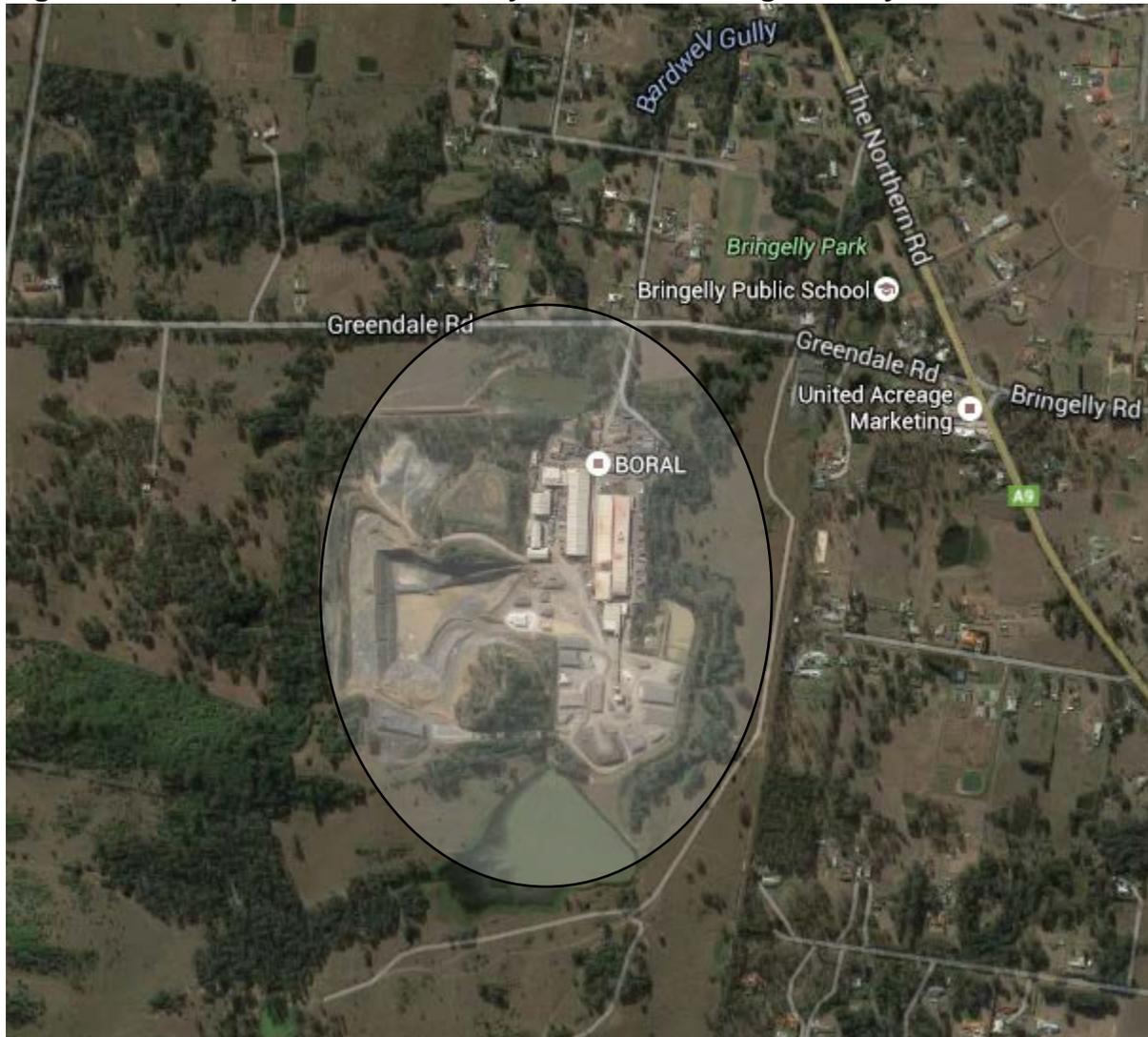
Raw materials for the brick manufacturing are obtained through on-site extraction campaigns undertaken periodically each a year with the use of heavy earth moving equipment from various areas within the quarry pit. The raw materials are stockpiled under covered and open areas.

Front end loaders mix the raw materials until a homogenous consistency is achieved prior to being loaded into feeder bins and dropped onto a conveyor for primary crushing. In the crushing plant, the material is passed through a finer crusher where it is further reduced to around 30 - 40mm diameter. The material is then moistened and passed through rollers and mixers finally reducing the diameter to 1 - 2mm diameter clay particles.

The clay is further moistened during the pugmill process where it shredded and de-aired in preparation for the extrusion process. Colour to the various products may be added during the pugmill process. The clay is then forced under pressure into the extruder, through a die and shaper cap which compacts the clay and shapes it into a continuous column. The column is then cut into slugs by a guillotine producing the desired dimension and number of bricks and pavers.

The brick or pavers products are then set onto kiln cars for the kiln firing process. The kiln car enters the pre-heater where the products are heated in preparation for the firing process in the kiln. The kiln car is pushed through firing zones further heating the products to the designated temperature. The products then progress through cooling zones prior to being unloaded, deacked and packed for distribution.

Figure 1: Site Operational Boundary and Surrounding Locality



2 INVENTORY AND RISK ASSESSMENT

The Site operations involve the storage and management of chemicals, materials and equipment, some of which have potential to adversely impact upon the environment and human health. Table 1 provides an inventory of substances required as part of Site operations and a risk assessment on the likelihood and consequence of an associated pollution incident. The respective risk rankings are based on the most severe incident associated with each of the substances using the risk matrix presented in Table 2.

Table 1: Inventory of Substances with Potential for Material Harm

Substance / Incident	Max Quantity	Risk Assessment		Risk Ranking (See Table 2)
		Consequence	Likelihood	
Diesel	30,000L	3	1	Medium

(Catastrophic failure resulting in total volume loss)				
Oils/Solvents/Lubricants (Spill/Leak entering stormwater drains and/or surface waters)	5,000 L	1	2	Low
Additives and Oxides (Spill/Leak entering stormwater drains and/or surface waters)	1,000kg	1	2	Low
Residue Waste (Oils, Solvents etc) (Spill/Leak entering stormwater drains and/or surface waters)	1,000L	1	2	Low
Septic System (Leak entering stormwater drains and/or surface waters)	60,000L	3	2	Medium
Compressor Waste Water/Oil (Leak entering stormwater drains and/or surface waters)	30,000L	3	1	Low
Clay (Potential dust incidents impacting neighbour's amenity)	Note 1	3	2	Low
Sedimentation Dams No 1, 2 & 3 (Off-site discharge breaching EPL compliance conditions)	Note 1	3	1	Medium
Note 1: Providing a maximum quantity of clay / dust / water / sediment is not possible within any practical accuracy.				

Table 2 – Risk Assessment Matrix

Measures of Consequence		
Value	Description	Impact
1	Minor	On-site release immediately contained
2	Moderate	On-site release contained with outside assistance
3	Major	Off-site release with specialist assistance and clean up required
Measures of Likelihood		
Value	Description	Impact

3	Highly Likely	The event could occur weekly in normal circumstances	
2	Likely	The event could occur once per month	
1	Unlikely	The event could occur once every one to five years	
Risk Ranking			
LIKELIHOOD	CONSEQUENCE		
	Minor (1)	Moderate (2)	Major (3)
Highly Likely (3)	M (3)	H (6)	H (9)
Likely (2)	L (2)	M (4)	H (6)
Unlikely (1)	L (1)	L (2)	M (3)

3 PRE-EMPTIVE MEASURES

Pre-emptive measures implemented to minimise the risk of a pollution incident associated with key Site activities include the following:

3.1 PIRMP ADMINISTRATION

A copy of the PIRMP will be available on-site at all times. The PIRMP will be the subject of annual training and testing amongst relevant Site employees, PGH personnel and contractors to ensure at all times there is a high level of awareness of response and reporting requirements.

The PIRMP will be the subject of at least an annual review or within 30-days of a pollution incident. Any revised versions of the PIRMP will be posted on the PGH website within 14-days of internal approvals of amendments.

Inductions of new employees, contractors and visitors will include key aspects of the PIRMP such as alarm warnings, emergency evacuation points and safety muster locations to minimise potential harm to people on or likely to be on the Site during a pollution incident.

3.2 STORAGE AND MANAGEMENT OF POTENTIAL POLLUTANTS

3.2.1 Diesel and Chemical Storage

- Diesel storage comprises of a 20kL and 10kL aboveground storage tanks located within bunded areas (Refer to Table 1);
- The tanks, bunding and refueling operations are subject to safety/environmental controls, emergency response, periodic inspection and maintenance;
- The associated refueling area is sealed and has roll-bunds and a sump pit to contain any minor leaks and spills;
- The diesel tanks are located in a secure section of the Site with locks on the refueling nozzles;
- Storage of bulk and packaged chemicals (i.e. oils, solvents, paints and oxides) is undertaken in secure, contained and roofed areas away from any immediate stormwater drain (i.e. Dangerous goods cabinets and designated storage areas);
- During their on-site transport, bulk and packaged chemicals are secured to minimise potential for spills;
- Fire-fighting and spill response equipment are readily accessible for incident response; and
- Stock inventory and control is undertaken to minimise on-site quantities and volumes of potential pollutants.

3.2.2 Sedimentation Dams and Stormwater Drains

The Site has three main Sedimentation Dams (Refer to Figure 2). Stormwater drains throughout the Site flow directly into Dam No. 3 (i.e. no off-site discharge of stormwater). Management of the Dams include:

- Monitoring of Dam water quality in accordance with EPL requirements;
- Appropriate storage and movement of potential pollutants with consideration to stormwater drains;
- Availability of a number of spill response kits in areas with potential for spills and Site personnel trained in their use;
- Periodic inspections of the integrity Dams and stormwater drains via Environmental and Safety Monitoring System; and
- Stormwater and sediment management over disturbed areas, including risk-based progressive rehabilitation.

3.2.3 Air Quality

The Site manages air quality in accordance with EPL requirements which includes the following actions:

- Stockpile locations and height are managed to minimise wind-borne dust events;
- Water cart available at all times;
- Vehicle speed restrictions;
- Limit or postpone operations with likelihood of pollution during unfavourable weather events; and
- Network of dust monitoring gauges for monthly assessment of emissions.
- Scrubber Monitoring via Environmental and Safety Monitoring System

3.2.4 Equipment and Vehicles

- Oil water separator inspected and serviced in accordance with specifications;
- Heavy vehicles hydraulic and fuel systems subject to a maintenance program; and
- Spill kits inspected for contents and replenished if used/required.

4 PIRMP ACTIVATION

4.1 PIRMP RESPONSE TEAM

The PIRMP will be activated in the event of an incident causing or potential to cause material harm by the authorised response team list in Table 3. Pending the nature and severity of a pollution incident, there may be a requirement to engage external specialist assistance and contact details are also provided in Table 3.

Table 3: PIRMP Team Roles and Responsibilities

PIRMP Response Team	Roles & Responsibilities	Contact Details
Tony West (Plant Manager) Available 24 hours	<ul style="list-style-type: none"> Receives internal notification of an incident and response updates In collaboration with National WHSE Manager notifies Authorities and provides updates Coordinates with Emergency Services if providing on-site response assistance 	Phone (02) 4774 8751 Mobile: 0419474953 Email: twest@pghbricks.com.au
Team Leader	<ul style="list-style-type: none"> Provides immediate response in accordance Table 4 Actions with using appropriate PPE Communicates incident and response status Plant Manager Assist with the coordinates with Emergency Services if providing on-site response assistance Ensures appropriate response resources are maintained and replenished after the incident Assist with incident investigation and implementation of learnings Assist with PIRMP review after incident 	0401 895 410
Cleanaway	Assistance with emergency response and clean-up of significant spill events if required- 24hr /7days	Emergency Spill Hotline 1800 774557
Cleanaway	Assistance with pumping out septic tanks- 24hr/7days “manned phone” contact (including public holidays)	131339
Brandster	Assistance with pumping out septic tanks- 24hr /7days contact (including public holidays) BUT after hour service relies on them monitoring message bank	96231177

Caltex	Provides emergency response and clean-up of significant spill specific to Diesel area if required	1800 033 111
AWTS	Repair and service of septic tank pumps and aerator and alarms – 24hrs 7days (including public holiday)	0488 368 476 or 1300663809
VGT	Provides soil sampling, water sampling (creek sampling up and down stream)	02 40286412
Environmental Compliance Services	Assistance with investigating incidents and providing recommendations	0413 424 330

4.2 PIRMP ACTIONS

Figure 2 presents the locations where there is considered potential for pollution incidents to cause material harm and will require the activation of the PIRMP. See “Stormwater Locations Site Map” for potential outlets. Table 4 details specific PIRMP actions in response to potential pollution incidents associated with each of the locations.

Figure 2: Locations with Potential for Material Harm Pollution Incidents

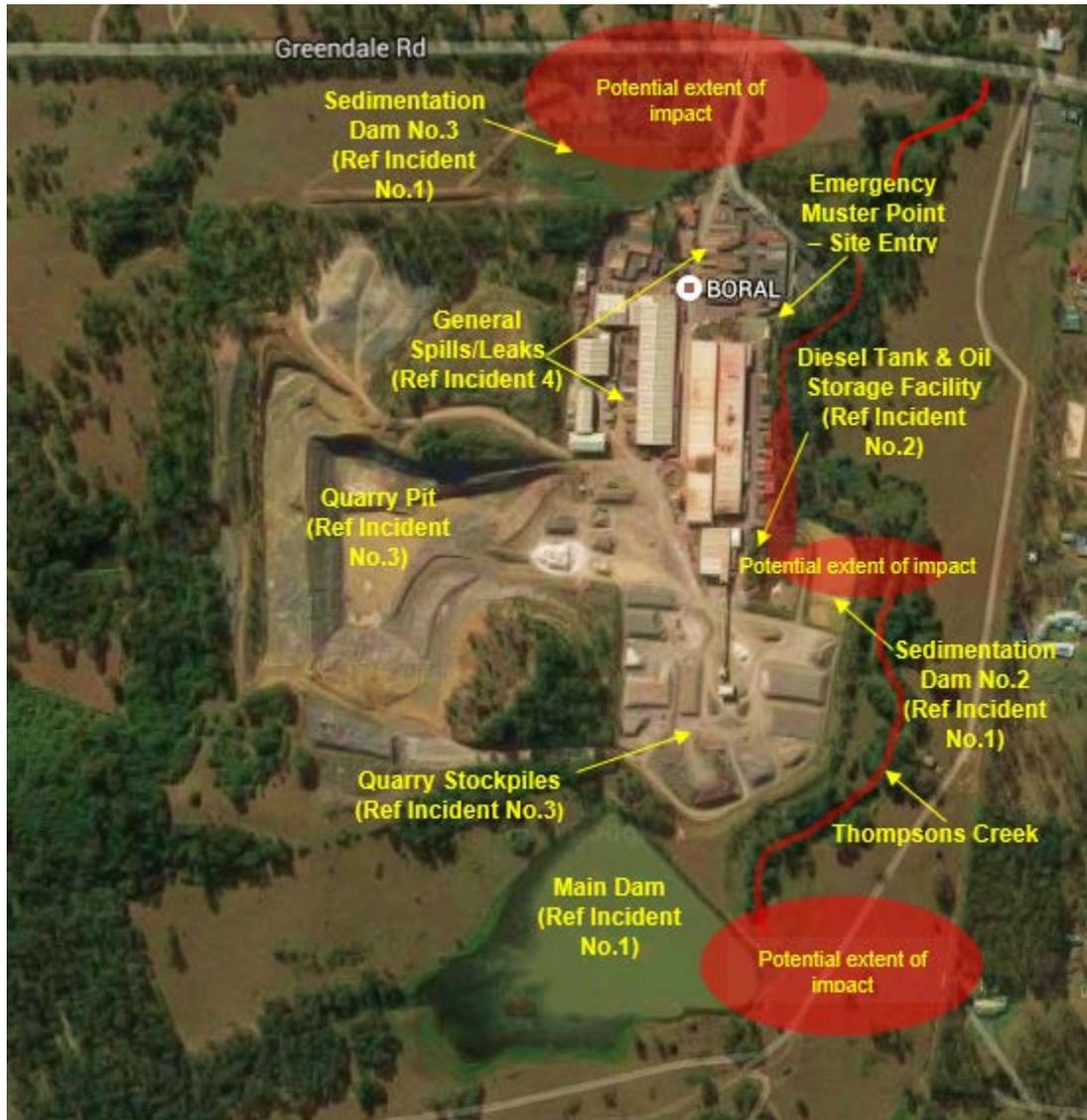


Table 4: PIRMP Actions

Pollution Incident	PIRMP Action	Post-PIRMP Action
<p>No.1: Significant overflow of Site Dams – see Figure 2 for potential extent of impact.</p> <p>There is potential for contaminated and sediment laden water to be discharged beyond Site boundaries and into water courses (i.e. Thompsons Creek).</p>	<ul style="list-style-type: none"> • Contact all relevant Authorities (refer to Section 5.1) and provide periodic updates • Contact local neighbours (refer to Section 5.2) with potential to be inundated by water and provide periodic updates • Area to be restricted to PIRMP Response Team and Authorities engaged in incident response • Co-ordinate with Authorities (if responding to incident) • Instigate traffic controls if off-site roadways are likely to be impacted • Divert water flow away from sensitive receptors (i.e. neighbours, Thompsons Ck, other dams and roadways) • Pump water to other Site Dams (areas) to reduce level • If any release from Site onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination 	<ul style="list-style-type: none"> • Provide update to all Authorities and neighbours contacted during the incident • Contact engineers/contractors to rebuild Dams immediately and clean-up any off-site impacts • Engage Environmental Consultants to investigate possibility of chemical contamination and remediate as required impacts to soil, groundwater and surface waters (i.e. Thompsons Creek) • Assess Duty to Report contamination to EPA under S60 of the <i>Contaminated Land Management Act (1997)</i> • Investigate incident and review PIRMP within 30-days of incident • Check and replenish response equipment/resources • Dispose of contaminated response material through licenced contractor • Implement incident investigation learnings • Communicate investigation and corrective actions to Authorities and neighbours

<p>No 2: Significant failure of one/both above ground diesel tanks - see Figure 5.2 for potential extent of impact.</p> <p>If bund integrity is compromised, there is potential for diesel to reach Thompsons Creek, stormwater drains and sedimentation Dams No. 3 and 2.</p> <p>Note: Site stormwater drains flow to Dam No.3.</p>	<ul style="list-style-type: none"> • Contact all relevant Authorities (refer to Section 5.1) and provide periodic updates • Contact local neighbours (refer to Section 5.2) if potential to be inundated by diesel impacted water overflowing from sedimentation Dams No. 1 & 2 and provide periodic updates (i.e. there is potential for incident to occur during extreme rain event) • Area to be restricted to PIRMP Response Team, Authorities, and specialised response contractors engaged in incident response • Undertake all possible actions to prevent/minimise diesel entering Thompsons Creek, stormwater drains and sedimentation Dam – i.e. Use of spill kits and construction of earthen bunds and diversions around spill to contain/divert diesel until external incident response specialists arrive • Co-ordinate with Authorities and specialised response contractors (as required) • Engage professional service provider to pump-out contained diesel, clean-up and appropriately dispose of waste generated 	<ul style="list-style-type: none"> • Provide update to all Authorities and neighbours contacted during the incident • If diesel spill has impacted unsealed soil/surface water – engage Environmental Consultants to investigate and remediate as required contamination to soil, surface waters (i.e. Thompsons Creek) and if required groundwater • Assess Duty to Report contamination to EPA under S60 of the <i>Contaminated Land Management Act (1997)</i> • Engage environmental consultants to commence water quality monitoring program to assess any ongoing contamination issues • Check and replenish response equipment/resources • Dispose of contaminated response material through licenced contractor • Investigate incident and review PIRMP within 30-days of incident • Implement incident investigation learnings – including tank/bund design/maintenance and PIRMP response efficiency • Communicate investigation and corrective actions to Authorities and neighbours
<p>No 3: Moderate dust event associated with Quarry Pit and Stockpiles</p> <p>There is potential during extreme weather</p>	<ul style="list-style-type: none"> • Contact all relevant Authorities (refer to Section 5.1) and provide periodic updates • Contact local neighbours (refer to Section 5.2) with potential to be adversely impacted by dust emissions and provide periodic updates 	<ul style="list-style-type: none"> • Provide update to all Authorities and neighbours contacted during the incident • Offer clean-up of houses and cars impacted by dust emissions

<p>events that dust from quarry operations may adversely impact upon the surrounding environment and amenity of neighbours</p>	<ul style="list-style-type: none"> • Cease activities contributing to dust emissions • Increase dust controls such as water cart operation and sprays • Consider if additional water cart or other controls are required to further reduce dust emissions 	<ul style="list-style-type: none"> • Investigate incident and review PIRMP within 30-days of incident • Implement incident investigation learnings • Communicate investigation and corrective actions to Authorities and neighbours
<p>No 4: Pollutants entering stormwater drains</p> <p>See stormwater map. All (except two) on-site stormwater drains flow to Thompson creek. If any pollutants enter the drains then they must be stopped immediately and then have them cleaned – pressure cleaner and vacuum truck . If pollutants enter drains going to the dam then the water quality of the dam must be investigated.</p>	<ul style="list-style-type: none"> • If there is potential for Septic to overflow during pollution incident • Stop, contain and divert any spill from further entering stormwater drains using spill kit and if necessary construct earthen bund/diversions • If possible, commence pumping pollutants back out of stormwater drain – submersible pump or hire truck vacuum pump • Contact local neighbours (refer to Section 5.2) with potential to be adversely impacted by contaminated water • Contact all relevant Authorities (refer to Section 5.1) and provide periodic updates • Engage environmental consultants and incident response contractors to assist with incident response, clean-up, contamination investigation and remediation (soil and water) 	<ul style="list-style-type: none"> • Provide update to all Authorities and neighbours contacted during the incident • If spill has impacted unsealed soil/surface waters – engage Environmental Consultants to investigate and remediate as required contamination to soil, surface waters (i.e. Thompsons Creek) and if required groundwater • Engage environmental consultants to commence water quality monitoring program to assess any ongoing contamination issues • Assess Duty to Report contamination to EPA under S60 of the <i>Contaminated Land Management Act (1997)</i> • Check and replenish response equipment/resources • Dispose of contaminated response material through licenced contractor • Investigate incident and review PIRMP within 30-days of incident • Communicate investigation and corrective actions to Authorities and neighbours

5 PIRMP NOTIFICATION AND COMMUNICATION

5.1 NOTIFICATION OF AUTHORITIES

In the event of a pollution incident causing or potential to cause material harm, the Plant Manager or National WHSE Manager will notify the Authorities listed in Table 5. All Site employees and Contractors must either through inductions and training be aware of reporting any actual or potential pollution incidents directly to Site Managers.

If the incident has an immediate threat to human health or property, Emergency Services will be the first of the Authorities to be contacted as they will be able to provide initial advice and if required, on-site assistance in controlling, containing and combating incidents.

If the incident does not require emergency services, or once the triple 000 call has been made, notification of the other relevant Authorities listed in Table 5 must be undertaken.

The information to be provided to the Authorities will include the following:

- The time, date, nature, duration and location of the incident
- The estimated quantity or volume of any pollutants involved
- An initial understanding of the circumstances in which the incident occurred
- The action taken or proposed to be taken by internal and external resources to deal with the incident and any actual or potential pollution arising from the incident

Table 5: Authority Contact Details

Authority	Contact Details.	Notification Responsibility
<u>Emergency Services</u> <ul style="list-style-type: none"> • Fire and Rescue NSW • NSW Police • NSW Ambulance Service 	Call: 000	Either of the following managers are responsible for notification to Authorities: <u>Tony West (Plant Manager)</u> Mobile: 0419 474 953 (Available 24hrs) <u>Debbie Cook (National WHSE Manager)</u> Mobile: 0401 893 413 (Available 24hrs) <u>or Production Manager 0401897206 or</u> <u>Maintenance Manager 0401 895 577</u> (Available 24hrs)
NSW EPA	131 555	
Safework NSW (WorkCover Authority)	131 050	
Liverpool City Council	1300 36 2170	
Camden Council	02 4654 7777	
Liverpool Public Health Unit	BH: 02 8778 0855 AH: 02 9828 3000	

Typical Information that will be requested by Authorities

PGH Bricks (CSR Pty Ltd) : PIRMP (Bringelly Brick Plant)

1. Company name and address: CSR , Lot 2 Greendale Rd ,Bringelly
2. Head office address: CSR, 39 Delhi Rd, North Ryde 2113
3. CSR ABN:90 000 0001 276
4. What happened – rough volume of liquids that left site; time incident occurred; type of liquid; possibly gone into Thompson Creek etc; where on the map did incident occur example “ eastern boundary – Old Northern Rd side” or “Northern boundary – Greendale Rd side “
5. What is being done to clean-up the problem

5.2 COMMUNICATIONS WITH NEIGHBOURS AND COMMUNITY

In the unlikely event that neighbours or the wider community may be impacted by a pollution incident associated with Site operations, the Plant Manager as deemed appropriate will either phone, email, text or door knock neighbouring residents to provide the following information:

- Nature of the incident, response being undertaken and any precautions that may be required to reduce the risk of impact on their health and amenity i.e.
 - Close windows during a significant dust event
 - Avoid driving on impacted road ways (i.e. dam overflows/fuel leaks/clearance for emergency services)
 - Avoid any dermal contact with dam overflow water and Thompsons Creek as it may be contaminated
 - Ensure children are also informed if at school during incident (i.e. Bringelly Primary School);
- Likely duration and periodic updates on the status of the incident;
- End of incident response and any associated residual risks that may exists until appropriate clean-up/remediation can be completed; and
- Summary of incident investigation and learning to minimise a repeat of the event.
- Brief summary of incident report must be supplied to EPA within 7 days of incident occurring.

Receptor	Nature of Occupancy	Approx. Distance	Direction from Site	Name and Address
House 1	Residential			
House 2				
House 3				
House 4				
House 5				
House 6				

6 PIRMP TESTING AND TRAINING

6.1 PIRMP TESTING

The PIRMP will be tested and reviewed on at least an annual basis or within a month (30 days) of a pollution incident occurring at the Site. A summary report will be prepared for each PIRMP test that will detail results and learnings against the scope and actions presented in Table 6.

Table 6: Scope and Actions of PIRMP Tests

Scope / Action
Include PIRMP Response Team and Managers representative of 24-hour Shift Operations
Response to simulated pollution incident associated with activities, equipment and materials associated with Site operations (under rain / dry / windy scenarios)
Communication and notification with Plant Managers, Authorities and neighbours/communities
Level of availability, awareness, efficiency and effectiveness in the use of incident response resources
On-site coordination with external response services/Authorities - pending incident severity
Minimising harm to people on-site – will simulated incident require site warning alarm / evacuation
Combating/minimising the pollution caused by incident
Discuss - Inspection, maintenance and replenishment of response equipment/materials used in responding to incident
Discuss - Clean-up and disposal of contaminated response materials through licensed contractor
Review of PIRMP to reflect any learnings from simulated PIRMP Test
Schedule next PIRMP Test

6.2 PIRMP TRAINING

PIRMP training will be conducted through either formal awareness sessions, inductions, toolbox style presentations or simulated incidents. The frequency of training will be at least annually for the PIRMP response team and Plant Managers. Training will also be provided to new employees and contractors through inductions and on an as required basis. A training register will be maintained detailing attendees and the manner in which training was provided.

The objective of the training will be to ensure Plant Managers, incident response team, relevant site employees and contractors are aware of the pollution risks associated with operations, response equipment and materials and they know of their roles and responsibilities in the administration and activation of the PIRMP.

6.3 PIRMP TRAINING AND TESTING SCHEDULES

Routine PIRMP training and testing will be conducted in accordance with dates and scope presented in Table 7.

Table 7: Completed and Scheduled PIRMP Training and Tests

Date	Test / Training	Scope	Status
11/07/2016	Test	Desktop - Simulated Spill	Completed
11/07/2016	Training	POEO Act/Regulation Requirements	Completed
9/2/17	Reviewed	PIRMP	Completed
24/4/17	Drill	Emergency response	Completed
18/4/17	Training	Environmental Awareness	Completed
Sept 2017	Training	Spill response	Completed
Prior to July 2017	Test/Training	To be determined	Completed
28/3/18	Training	PIRMP	Completed
April 2018	Drill	Emergency response	Completed
Sept 2018	Review	PIRMP	Completed
March 2019	Training	PIRMP	Completed
Sept 2019	Toolbox	Emergency Response	To Be Scheduled
Sept 2019	Drill	Emergency Response	Scheduled

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Writer: VGT	Authorised by: National WHSE Manager



Appendix G: Crisis Management Policy

CRISIS MANAGEMENT POLICY

Introduction

A "crisis" can have a major impact on a company, but is not straight forward to define. It is generally regarded as is a major emergency that can affect lives, business continuity, company reputation and legal liability, and is likely to result in intense scrutiny from inside and outside of the company. Examples of a potential crisis include fatalities or multiple injuries on a site, a major environmental incident or fire, road fatalities or a major plant or product failure. Sometimes seemingly minor incidents can become a crisis if it is not managed properly.

If there is any doubt whether an issue is a potential crisis, it should be escalated immediately.

Once an issue has been determined to be a crisis, the CEO, CFO or EGM will form a Crisis Management Team which will coordinate all relevant resources required. Existing WHSE management systems and incident response plans should be followed at all times at individual sites.

This policy covers the responsibilities and procedures of the Crisis Management Team which includes senior management, legal, HR and PR representatives in the corporate head office team.

Objectives

The objectives of the Crisis Management Policy and any associated plans are to:

- Protect the safety of our employees, contractors and the community
- Protect the environment
- Act responsibly and ethically and support affected persons
- Preserve the Company's reputation
- Mitigate risk (reputational/financial/legal)
- Ensure there is a clear chain of command on all key decisions and communication in a crisis situation

Incident Notification

For incidents that occur on CSR sites, the site manager is responsible for notification of the incident to the wider team and is the first point of contact to manage the crisis at the site. For more serious incidents, the EGM and CEO will be involved as soon as possible, along with legal, media, WHSE managers and senior management.

For incidents that do not occur on a CSR site (such as a road incident involving CSR product), the EGM and CEO should be notified immediately. Processes should be in place with suppliers (such as haulage contractors) to ensure that CSR is immediately notified of any incident involving the transportation of CSR products.

CSR has a set of policies which cover incident response procedures and notification to regulatory authorities. These policies cover the internal and regulatory notification process and basic investigation procedures.

The CSR Risk Matrix is attached to this policy which outlines potential Workplace Health, Safety and Environment incidents based on levels between 1 Minor and 5 Catastrophic.

Any incident which is classified as Level 4 Critical or Level 5 Catastrophic should be notified by email and text message to the EGM and CEO immediately.

CRISIS MANAGEMENT POLICY

Crisis Management Team



The CEO or EGM is responsible for forming the Crisis Management Team (CMT) and determining who should act as the Incident Controller. It is therefore vitally important that the CEO be immediately advised of any serious incidents involving CSR (whether on site or elsewhere), so that he can then determine how it will be managed. If the CEO is immediately unavailable, the CFO and/or EGM will form the CMT. The CMT will include representatives from the roles above based on an initial review of the incident.

The most Senior CSR employee available should take responsibility for comments on behalf of the company particularly with the media to ensure that the community is aware that the most representatives from the company are aware and are actively engaged in the management of the incident.

The Crisis Management Team is responsible for ensuring that the following approach is taken during the initial brief and subsequent meetings as additional information on the crisis become available:

1. Over-react – Think worst case until proven otherwise.
2. Assess – Verify information and what is thought to have happened.
3. Respond – Appropriate to the situation.
4. Stand Down – Proactively manage the scale of the response and teams.

The CMT will be formed, in person or via conference call and immediately review the following information:

- **Documentation** – Incident Controller to appoint a person to control all documentation and develop a log sheet
- **Initial brief** (this will be led by the Incident Controller or delegate) and will include:
 - Confirmation and identification of team members
 - Known details (Who, What, When, Where, How) concentrate on the consequences/impacts
 - Status of response/situation
 - What is the extent of disruption? What is the likely duration? Can employees return to factories or building now? In the near future? Can employees travel safely to or from the site?
- **Identify** stakeholders-impact and their involvement – Agencies/Organizations/others impacted initial objectives, priorities and actions
- **Discuss key objectives** in any Crisis:
 - *Eliminate the risk of further harm to people or further harm to property and the environment*
 - *Manage the well-being of any injured party*
 - *Manage the well-being of work colleagues*
 - *Manage the Company's interest and reputational issues*
 - *Act within the laws at all times*

CRISIS MANAGEMENT POLICY

- *Keep stakeholders informed through appropriate communication protocols*
- *Identify and begin planning for worst case credible scenarios*
- **Establish meeting/work cycle** – Agree on time for next briefing
- **Identify** additional personnel needed (external advisers, key experts, administrative staff)

Key Roles

The CMT will oversee all internal and external communication regarding the incident and determine next steps for the site manager and EGMs or RGMs regarding contact with external agencies. A breakdown of roles between the site manager, RGM/local management and the CEO/EGMs and Crisis Management team is attached. The Incident Controller (IC) is the key decision maker in all matters.

These roles are based on the key issues which may emerge in the first hour after notification of the incident through to after the first day and beyond.

Communication

The Crisis Management Team (CMT) will oversee all internal and external communications regarding the incident. In consultation with the media manager and external media advisers (if necessary), the CMT will set the communications strategy, draft key messages and prepare media releases. Crisis media monitoring will be initiated immediately. The CMT will also provide support to any employees who will be liaising with external agencies assisting with the incident.

The CMT will ensure that all communications protocols are being adhered to by all parties. The key objectives of communication during a crisis include:

- Keep our employees informed of the situation
- Keep our customers, partners and other stakeholders informed as appropriate
- Ensure consistent messaging to the media and all stakeholders

All employees of CSR are to be reminded that the Company's electronic communications policy prohibits any participation in social media when the topic being discussed may be considered a crisis situation. This includes posting any photographs or comments on private social media accounts with any information regarding the crisis. This ensures that the CMT remains the central communication point on behalf of the Company.

Media spokesperson

A media spokesperson will be appointed by the CMT and will attend the site as soon as possible. Depending on the incident, the CEO or EGM will be appointed as the media spokesperson. In the event the CEO is not available, the Chairman will act as spokesperson, followed by another Director depending on availability. This is to provide assurance to the community that the Company has escalated the incident within the organisation.

No employees are permitted to speak to the media without the authorisation of the CEO or the GM Investor Relations and Corporate Communications. If the CEO or GM IR is not available, the Chairman, CFO or Company Secretary can provide authorisation to speak to the media.

Chain of responsibility

CSR's Chain of responsibility policy and procedures covers the company's commitment to provide a safe means of road transport that protects the safety of our workers, contractors and the general public. In the event involving an incident involving an external company or contractor, the CMT will work with the company regarding the crisis management plan.

CRISIS MANAGEMENT POLICY

Notification the victim's family

The Crisis Management Team will make all decisions regarding notification to the family of victims of serious injury or fatality as a result of the incident. The CMT will liaise with the Police regarding notification to the victim's family. In general, the Police take primary responsibility for notifying affected family. This is why adherence to our social media policy is so important. Once the family has been notified, the CMT will determine who will provide additional contact and support for the victim's family.

Internal and External advisers

The CMT will determine which advisers are required to assist with the management of a crisis. The following contacts are available to assist the CMT:

Adviser	Company Contact	Alternate Contact
Media/PR	Andree Taylor	Jill Calder Senate SHJ – Sydney, Melbourne, NZ Partner Jill@senateshj.com.au P: +613 8643 7900 M: +61 419 508 597 Martin Cole Martin.cole@capitalmarketscommunications.com.au P: +61 403 332 977
Legal	Sean Ventris	David French
WHS	Scott Lewis	BU Safety Manager
Environment	Linden Birch	John Jago
People	Luke Murphy	BU HR Manager

CRISIS MANAGEMENT POLICY

Strategic Phases

The Crisis Management Team will manage all phases of control of the situation. These phases are based on the following steps:

Phase 1. Preparation – Business as Usual

- Review the local Emergency Response, Incident/Crisis Management Plans.
- Ongoing WHSE training under the WHSE management system.

Phase 2. Activation Stage – Notification/Evaluation/Escalation/Activation.

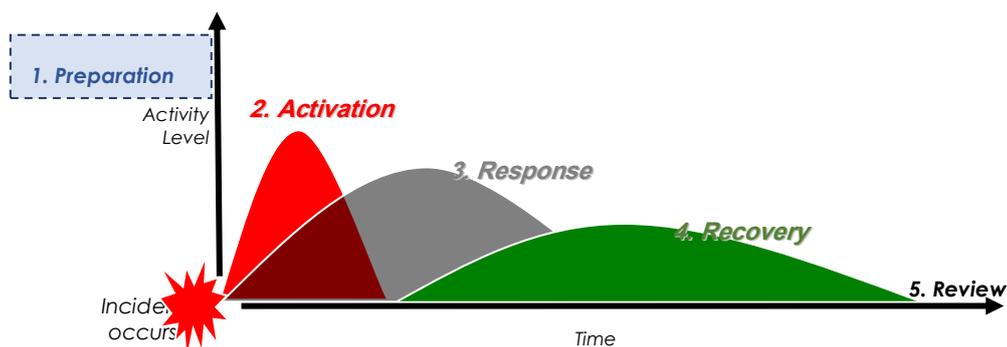
Based on the information available, there are a number of considerations the business will consider and assess in determining whether to escalate the incident and start a crisis management team.

Phase 3. Response Stage – The response stage varies with the incident and changes over the duration of the response.

Phase 4. Recovery Stage – Returning to Business as Usual.

Phase 5. Review – For lessons to improve processes (continuous improvement).

The checklists below will assist the team in managing the crisis in a coordinated and timely manner.



Documentation – example log sheet

1st PRIORITY: PEOPLE Strategic objective:

ISSUE	TASK



CRISIS MANAGEMENT POLICY

CSR Risk Matrix

POTENTIAL CONSEQUENCE (select first)			LIKELIHOOD (select after the consequence rank)				
			E Very Rare or Very Unlikely	D Rare or Unlikely	C Infrequent or Possible	B Occasional or Probable	A Frequent or Almost Certain
	Safety & Health	Environment	The risk event may occur only in exceptional circumstances (has not occurred and probably never will)	The risk event could occur at some time (three yearly basis, but less than annually)	The risk event should occur at some time (annually but less than four times per annum)	The risk event will probably occur in most circumstances (three monthly but less than weekly)	The risk event is expected to occur in most circumstances (weekly or more frequently)
1 Minor	An event resulting in a no injury or a minor injury or illness such as a First Aid Injury.	Onsite release, containable with little to no damage. Remediation in terms of hours.	1 LOW	2 LOW	4 LOW	7 MODERATE	11 MODERATE
2 Significant	An event resulting in an Injury requiring less than one week away from normal duties.	Major onsite release with some damage with remediation in terms of days or minor offsite release with no damage. On-compliance reporting to Regulatory Authority that would not need to be reported unless specific licence requirement to do so. Written direction given by Regulatory Authority (PAN, PIN etc) On the spot fine or complaint from the public.	3 LOW	5 LOW	8 MODERATE	12 MODERATE	16 MODERATE
3 Serious	An event resulting in an Injury requiring more than one week away from normal duties.	Offsite or onsite release, with short term detrimental effect, material environmental damage. Remediation in terms of weeks. Immediate non-compliance reporting to Regulatory Authority (breach of licence condition causing or with the potential to cause material harm.) Prosecution likely	6 LOW	9 MODERATE	13 MODERATE	17 MODERATE	20 HIGH
4 Critical	An event resulting in a disabling injury or permanent disability	Major offsite or onsite release, short to medium term environmental damage. Remediation in terms of months. Prosecution expected.	10 MODERATE	14 MODERATE	18 MODERATE	21 HIGH	23 VERY HIGH
5 Catastrophic	An event that results in fatality or multiple fatalities.	Major offsite or onsite release, long term environmental damage. Remediation in terms of years. High level prosecution expected	15 MODERATE	19 MODERATE	22 HIGH	24 VERY HIGH	25 VERY HIGH



CRISIS MANAGEMENT POLICY

Crisis Management Team – CEO, EGM, Legal, WHSE and Media Managers Responsible for all internal and external communication, key site decisions and liaison with external agencies				
Role	Key Tasks – 1 st hour	2-6 hours	7-24 hours	After first day
Site manager/local manager	<ul style="list-style-type: none"> • Make area safe/cordoned off/disconnect power • First aid • Contact emergency services (ambulance, fire, police) • Notify CSR contacts (EGM, MD, Legal, Media, WHSE) • Notify site team for arrival of emergency services • Reception / Security to be briefed – no media to be allowed on site due to safety concerns. All media to be provided with CSR Media contact details • Cooperate fully with all police investigations • Refer all queries from regulatory agencies (WorkCover, Dept of Environment) to CSR Legal 	<ul style="list-style-type: none"> • Ensure counselling is available to all employees • Ensure log system is updated on all notifications, witness information, internal reporting • Support EGM and CEO regarding management of site and employees on site. • Communication with local community residents. • Set up phone number for residents with concerns 	<ul style="list-style-type: none"> • Review scheduling, site requirements for clean-up, repairs • Liaison with employees regarding counselling and other support needs 	<ul style="list-style-type: none"> • Planning for recommissioning site/resuming operations • Provide written reports to all WHSE authorities as required
Regional General Manager (RGM)	<ul style="list-style-type: none"> • Attend site immediately • Lead local Crisis Management Team • Provide initial communication with local employees and response to the media if required in conjunction with emergency services (as directed by the CMT) • Begin immediate notification process for EPA, Worksafe, local council, community residents with CSR Legal 	<ul style="list-style-type: none"> • Liaison with police (witnesses, next of kin details) • Arrange a counselling plan • Liaison with sales, distribution, production re changes to operations 	<ul style="list-style-type: none"> • Liaison with other sites and states to manage operations to cover disruption • Communication with customers 	<ul style="list-style-type: none"> • Planning for recommissioning site/resuming operations
CEO/Chairman/Board Director (if CEO not available) With CSR Legal, Media, WHSE	<ul style="list-style-type: none"> • Notify Board, form the Crisis Management Team and appoint an Incident Controller • Review initial response to provide to media, employees, ASX and who will speak to media at site with first response • Media spokesperson to attend site ASAP • Contact external PR/Legal advisers 	<ul style="list-style-type: none"> • Lead all external communication and respond to media • Review updated response to employees, media, ASX, CSR social media sites with Q&As 	<ul style="list-style-type: none"> • Liaison with family/next of kin in conjunction with police 	<ul style="list-style-type: none"> • Ongoing updates for media, employees • Lead support team for impacted families • Planning for liaison with regulators, insurers

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Appendix H: Complaints, Enquiries and Feedback Contact Details

Complaints, Enquiries and Feedback Contact Details

Title	Contact Details
National WHSE Manager Debbie Cook	24 hours 0401 893 413 decook@pghbricks.com.au
Plant Manager Tony West	Day Shift 02 9684 8778 twest@pghbricks.com.au
National Raw Materials Manager Joe Gauci	Day Shift 0417 683 526 jgauci@pghbricks.com.au
General Enquiries	13 15 79 https://www.pghbricks.com.au/contact-us

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Appendix I: Stakeholder Contacts

Bringelly Stakeholder Contacts

compliance@planning.nsw.gov.au

jack.murphy@planning.nsw.gov.au

compliance.services@epa.nsw.gov.au

water.referrals@nrar.nsw.gov.au

NRAR.enquiries@nrar.nsw.gov.au

nrar.servicedesk@industry.nsw.gov.au

minres.environment@planning.nsw.gov.au

lcc@liverpool.nsw.gov.au

mail@camden.nsw.gov.au