



Bringelly Brickworks and Quarry Expansion | State Significant Development

INDEPENDENT ENVIRONMENTAL AUDIT

Prepared for PGH Bricks and Pavers Pty Ltd | 29 March 2021



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STATE SIGNIFICANT DEVELOPMENT | INDEPENDENT ENVIRONMENTAL AUDIT

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PR150

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Signature		
Date	29 March 2021	29 March 2021

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DOCUMENT CONTROL

Revision	Date	Description	Prepared by	Reviewed by
0	19 March 2021	For PGH review	Element Environment	PGH Bricks and Pavers Pty Ltd
1	29 March 2021	For submission to DPIE	Element Environment	PGH Bricks and Pavers Pty Ltd

Audit declaration

Project name	Bringelly Brickworks and Quarry Expansion
Consent number	SSD 5684
Description of project	<p>Extraction of raw material from the site in the order of 200,000 tonnes per annum (no change to current extraction consent) through continued extraction from the existing quarry area (current consent) to a maximum depth of 46 metres Australian height datum, as well as expansion of the quarrying operations over an additional 20.75 hectares (to a total of 30.65 hectares) with extraction to a maximum depth of 30 metres.</p> <p>Brick production in the order of 263, 500 tonnes of bricks per year (increase of 103,500 from current consent).</p>
Project address	60 Greendale Road, Bringelly NSW
Proponent	PGH Bricks and Pavers Pty Ltd
Title of audit	Bringelly Brickworks and Quarry Expansion Independent Environment Audit

I declare that I have undertaken the Independent audit and prepared the contents of this independent audit report and to the best of my knowledge:

1. The audit has been undertaken in accordance with relevant condition(s) of consent.
2. The findings of the audit are reported truthfully, accurately and completely.
3. I have exercised due diligence and professional judgement in conducting the audit.
4. I have acted professionally, objectively and in an unbiased manner.
5. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child.
6. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child.
7. Neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit.
8. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Name of Auditor Mark Roberts

Signature



Company Element Environment Pty Ltd

Date 29 March 2021

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CHAPTER 1

INTRODUCTION

1 INTRODUCTION

1.1 Background

Bringelly Brickworks (the facility) is a clay/shale quarry and brick making facility at 60 Greendale Road, Bringelly (Lot 100 in DP 1203966). It covers approximately 386 hectares in the Camden Local Government Area. The facility has operated since 1968, and in its original form it had the capacity to process approximately 51,500 tonnes (t) of bricks per annum.

In 2013, Boral Bricks Pty Limited (Boral) prepared an environmental impact statement (EIS) to report the environmental impacts of an increase in production at the facility and continued extraction of the quarry to meet the anticipated demand for its products ('Bringelly Brickworks Extension Project', Application No. SSD_5684). PGH Bricks and Pavers Pty Ltd (PGH) became the proponent in 2016.

The project was determined to be State significant development (SSD) under Part 4, Division 4.1 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act) and Clause 8 of State Environmental Planning Policy (State and Regional Development) 2011 (State and Regional Development SEPP).

Since the project was approved 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 the Department of Planning and Environment (currently Department of Planning, Industry and Environment – DPIE) to modify SSD_5684 under Section 96(1A) of the EP&A Act to provide for an increased raw material import limit to 321,000 tonnes per annum (tpa) (referred to as MOD1). MOD1 was approved by DPIE on 31 October 2016.

The facility operated under DA 91/1194 until development commenced under SSD_5684 on 24 February 2020. DA 91/1194 was surrendered on 28 July 2020.

It is a requirement of SSD_5684 that within one year of commencing operations, and every three years thereafter, PGH must commission and pay for an independent environmental audit to assess and report on environmental performance of the facility and the adequacy of its strategies, plans and programs.

1.2 Audit team

The following audit team has been agreed by DPIE as suitably qualified, experienced and independent to undertake this audit (refer Appendix B):

- Peer reviewer and audit challenger – Irina Kliger.
- Lead auditor – Mark Roberts.

Irina has reviewed audit findings, challenged declarations of compliance where necessary and ensured quality and due diligence protocols were implemented during the audit.

Mark undertook the audit and documentary review, determined compliance and prepared the audit report.

Irina Kliger

Irina has over 25 years experience in environmental assessment and management. Irina has conducted numerous compliance audits during her time at RMS against RMS environmental specifications, during time as State environment manager at Fulton Hogan undertaking internal audits for the major Foxground to Berry Bypass, Grafton River Bridge, King Georges Road Intersection upgrades and White Rock Windfarm projects. Over the past 12 months Irina has undertaken 22 independent audits against Sydney Water's contractual environmental requirements.

Mark Roberts

Mark has over 10 years' experience in the environment sector and has been involved with the preparation and management of a range of environmental impact assessments under both NSW and Commonwealth legislation including a number of SSD applications; environmental management plans and strategies; constraints analyses; bushfire and hazard assessment; and environmental planning advice.

1.3 Audit objectives

The objective of this audit is to obtain an independent and unbiased assessment of the environmental performance and compliance status of the development against the audit criteria (Appendix A).

1.4 Audit scope

Condition 9, Schedule 5 of SSD_5684 requires the scope of the audit to:

- a. Be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary.
- b. Include consultation with the relevant agencies.
- c. Assess the environmental performance of the development and assess whether it is complying with the requirements in the consent, and any other approvals, relevant EPLs 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 consents; and be conducted and reported to the satisfaction of the Secretary.

The activities approved under SSD_5684 were audited, which are described in the executive summary of Hyder (2013) *Bringelly Brickworks and Quarry Expansion – environmental impact statement* and PACT (2016) *Section 961A modification supporting information – Bringelly Brickworks* (Appendix E).

1.5 Audit period

Condition 9, Schedule 5 of SSD_5684 stipulates the following audit frequency:

- within one year of commencement of development under the consent; and
- every three years thereafter.

Development commenced under SSD_5684 on 24 February 2021. The audit commenced on 29 January 2021, which was before the anniversary of commencement under SSD_5684.

CHAPTER 2

AUDIT METHOD

2 AUDIT METHOD

2.1 Development of audit scope

The scope of the audit has been developed with reference to Condition 9, Schedule 5 of SSD_5684, any documented complaints or incidents and consultation with identified stakeholders.

2.1.1 Complaints or incidents

No complaints have been received during the audit period.

C7 S2 requires the facility not 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.

Limits were exceeded as follows: 10/11/2020 (11 vehicles), 16/11/2020 (4 vehicles) and 17/11/2020 (3 vehicles). DPIE was notified of these exceedances on 27/11/2020.

Details are provided in Table 3.1.

2.1.2 Consultation

Relevant stakeholders were consulted about the audit as summarised in Appendix C.

2.2 Compliance evaluation

The compliance status descriptors applied to this audit are consistent with DPIE's (2020) *Independent Audit Post Approval Requirements* (Table 2.1).

Table 2.1 Compliance status descriptors in this audit

Descriptor	Definition
Compliant	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant	The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not triggered	A requirement has an activation or timing trigger that has not been met during the temporal scope of the audit being undertaken (may be a retrospective or future requirement), therefore an assessment of compliance is not relevant.

The audit comprised evaluating compliance based on verifiable evidence. Verifiable evidence includes (but is not limited to):

- Review of relevant records, documents and reports (including details such as any relevant document reference, the date of the document, revision number and author).
- Opening and closing meetings.
- Interviews of relevant site personnel.
- Reviews of the photographs (including the date the photograph was taken).
- Reviews of aerial imagery and geographic information system (GIS) figures.
- Site inspections of relevant locations, activities and processes.
- Monitoring data and analysis including the period covered by the monitoring data.
- Delivery records, invoices and receipts including the record date and reference number.

The evidence used to verify the compliance status is documented in Appendix A, along with any relevant observations and recommendations, including any opportunities for improvement.

2.3 Opening meeting

The audit commenced with an online opening meeting hosted by Element on 29 January 2021. The purpose of the opening meeting was to confirm the scope of the audit, the audit method and agree on the people and representatives who will be involved in the audit. The meeting agenda was:

- Introduction and welcome.
- Audit objectives.
- Scope of the audit.
- Confirmation of audit criteria.
- Audit method.
- Questions/other.
- Thanks and meeting closure.

Attendees of the opening meeting were:

- Mark Roberts – lead auditor – Element.
- Irina Kliger – technical and peer review – Element.
- Tony West – Bringelly site Manufacturing Manager – PGH.
- Tony Hunt – environment advisor – PGH.
- Michael Travers – project manager – PGH.
- Debbie Cook – WHSE manager – PGH.
- Lionel Helie – GM Brick Manufacturing – PGH.

2.4 Site interviews

The follow PGH personnel were interviewed during the site inspection on 10 February 2021:

- Ben King – Supervisor NSW raw materials – PGH.
- Tony West – Bringelly Site manufacturing manager – PGH.
- Tony Hunt – environment advisor – PGH.
- Michael Travers – project manager – PGH.

2.5 Site inspection

The area subject to SSD_5684 was inspected on 10 February 2021. The lead auditor was accompanied by Ben King and Tony Hunt during the inspection. The site inspection comprised a drive/walk over of the area, including most of the approval boundary.

Sections of the eastern, western and northern boundaries were not inspected due to dense vegetation.

Processes and environmental controls implemented at the facility were explained to the lead auditor.

2.6 Closing meeting

At the closing meeting on 10 March 2021, preliminary audit findings were presented, recommendations were made, and any post-audit actions confirmed.

CHAPTER 3

AUDIT FINDINGS

3 AUDIT FINDINGS

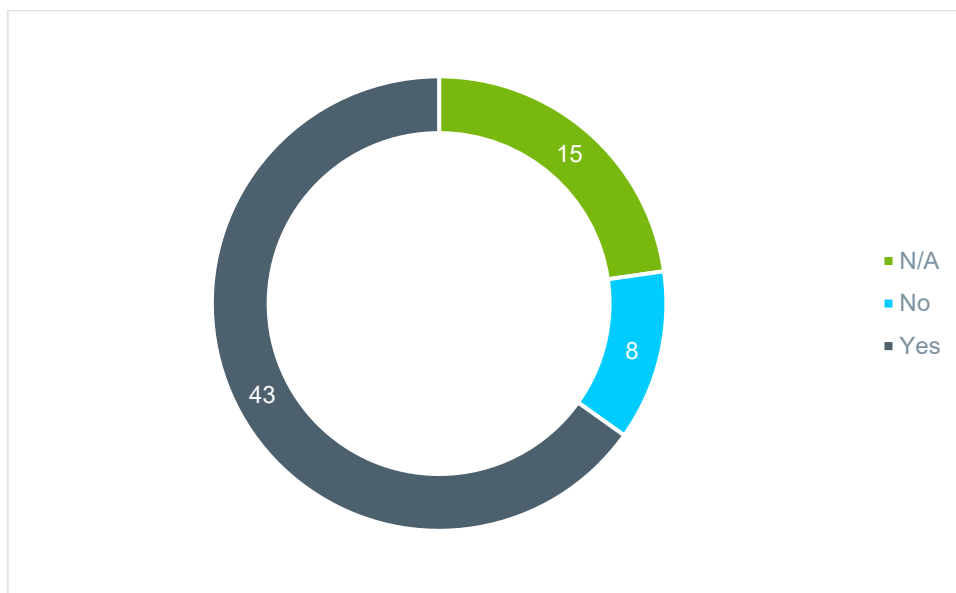
This section documents the audit findings based on a review of available evidence during the audit period, evaluated against the audit criteria.

3.1 Compliance performance

Compliance performance is assessed against the audit criteria detailed in Appendix A. Findings are based on an evaluation of the evidence provided, site interviews, site observations and other information as documented.

A photo log of site observations is in Appendix D. A summary of compliance findings against the audit scope is shown in Chart 3.1. The detailed evidence and findings are provided in Appendix A.

Chart 3.1 Compliance status breakdown by descriptors



3.2 Summary of agency notices, orders, penalty notices or prosecutions

The development has not been issued with agency notices, enforcements, orders, penalty notices or prosecutions during the audit period.

3.3 Audit non-compliances

Findings for non-compliances identified during the audit are described in Table 3.1.

Table 3.1 Audit non-compliance findings

Audit table identifier	Condition and schedule	Findings
4 26	C2 S2 Terms of consent C4A S3 Noise – operating conditions	The proposed noise bund along Greendale Road described in the EIS and required under C4A S2 and the noise management plan has not been constructed. The client believed construction of the bund was associated with construction of the new access road required under C14 S3 and production of bricks under the new limits in C6 S2. However, there is no such trigger under C4A S2 and all brick production is occurring under SSD_5684, regardless of new production limits.
9 64	C7 S2 Limits of consent – transportation limits C7 S5 Environmental management – incident reporting	C7 S2 requires the facility not 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. Limits were exceeded as follows: 10/11/2020 (11 vehicles), 16/11/2020 (4 vehicles) and 17/11/2020 (3 vehicles). DPIE was notified of these exceedances on 27/11/2020. C7 S5 requires PGH to 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. DPIE was informed of the vehicle exceedance on 27/11/2020, which was 17 days after the first exceedance on 10/11/2020. A detailed report was provided to DPIE on 10/12/2020.
11	C9 S2 Surrender of existing development consent	This condition requires that within 4 months of commencing development under SSD_5684, the Applicant must surrender the development consent (DA 91/1194) for existing operations on the site. Council was notified of the intention to surrender the consent on 28/07/2020, which was over four months since commencement of SSD_5684.
28	C6 S3 Noise – noise management plan	Noise has not been monitored at the required frequency (quarterly) under the noise management plan. Noise was not monitored during quarters 1 or 2.
60	C3 S5 Environmental management – environmental management plans	This condition specifies the requirements for management plans required under the consent. The traffic management plan does not contain contingencies should limits be exceeded and does not contain measures for reporting incidents, non-compliances with the approval. The noise management plan does not contain a contingency plan.

Audit table identifier	Condition and schedule	Findings
61	C4 S5 Environmental management – annual review	This condition requires PGH to submit a report reviewing the environmental performance of the facility to DPIE by the end of September each year. The 2020 report was lodged to the major projects website on 30/11/2020. This was past the end of September and the delay was allegedly due to the inaccessibility of the website. Despite the above, the annual review was completed on 21/09/2020.

3.4 Previous audit recommendations

There have not been any previous independent environmental audits under SSD_5684.

3.5 EMP, subplans and compliance documents

All environmental management plans, subplans and compliance documents requiring implementation under SSD_5684 by the time of this audit have been prepared, approved by DPIE and their implementation was observed during the site inspection and site interviews.

Issues associated with the completeness of the management plans are described in Row 60 of the audit table and summarised in Table 3.1. As described in Table 3.1 and Row 62 of the audit table, issues associated with revision of the traffic management plan and environmental strategy were not resolved during the audit period.

3.6 Environmental performance

The environmental performance of the site is generally adequate. However, improvements in waste management near the front of the site should be investigated (refer Table 3.2).

Table 3.2 Environmental performance in key risk areas

Key issue	Risk	Commentary
Waste management	Integrity of waste management processes, and the potential for harmful adverse impacts on the surrounding area because of waste handling and transport.	Waste management deeper in the site was not observed to present an adverse impact on the surrounding area. However, litter was observed along the driveway and at the weighbridge, where it was obvious drivers had been discarding litter out vehicle windows. According to PGH, a bin was installed after the site inspection and has been used for over four weeks.
Air quality and odour	Odour from operation activities affecting surrounding landowners. Dust during construction and operation affecting amenity of the surrounding area.	During the site inspection the site did not demonstrate any offensive odours. Dust was being managed adequately and there have been no air quality complaints during the audit period. The site is managing its potential air quality and odour impacts adequately. It is noted there has been no construction under SSD_5684.
Traffic	Internal vehicle movements. Road safety and capacity impacts.	During the site inspection internal traffic movements were being managed adequately, site representatives were aware of the constraints of the site and were managing these appropriately, and the site and was not having an impact on public roads. As demonstrated in Table 3.1, there was a traffic management incident. The site can improve its traffic management processes by implementing the proposed measures described in Row 59 of the audit table: <i>PGH committed to the following, which were reviewed by PGH on 24/02/2021:</i> 1. <i>Visibility (live data portal/display at weighbridge) - Not implemented yet but the vehicle count spreadsheet is available for real-time viewing to some stakeholders via Sharepoint.</i> 2. <i>Historical data (annual records) - sighted SAP extract for Schedule 2, Condition 7 Bringelly trucks numbers 2020 dated 21/01/2021.</i>

Key issue	Risk	Commentary
		<p>3. Notification (email messages when counts at 90% of hourly/daily) - The email strategy was not implemented as it was unlikely to be accurate enough. Instead, personnel in the dispatch office counts each vehicle and enters in the vehicle count spreadsheet. The gate is locked when an exceedance is imminent. PGH is working on an automated solution.</p> <p>4. Prevent access (boom gate which lock when limit has been reached) - This aspect has been managed effectively by dispatch team monitoring manual count and using a forklift barrier and elec yard gates to prevent access / departure. Future options are still being investigated.</p>
Noise	Construction, operational and transport noise impacts from traffic and internal vehicle, machinery and plant movements upon sensitive receivers.	The site has been demonstrated to not exceed the criteria in SSD_5684 during the two quarters during noise was monitored. Performance has not been quantified for the other quarters, however, no noise complaints have been received. The site is managing its potential noise impacts adequately.
Soil and water	Clean and dirty water (sediment laden) leaving the site and impacting downstream environments.	The site has clear controls and processes to separate clean and dirty stormwater and to treat stormwater. The site is managing its potential water quality impacts adequately.

3.7 Consultation outcomes

Relevant stakeholders were consulted about the audit as summarised in Appendix C.

3.8 Complaints

A review of the complaints register (available on the website) and correspondence from the chairperson of the CCC (dated 15 February 2021) confirm that no complaints have been received during the audit period.

3.9 Incidents

As described in Table 3.1 regarding rows 9 and 64 of the audit table, there was an exceedance of transport limits. As described in Table 3.2, measures are being implemented to address this issue. These measures appear to be effective so far as there has not been a repeat of the incident.

3.10 Site inspection

The site was inspected on 10 February 2021. Environmental performance was observed and photographed (refer Appendix D).

The environmental performance of the site is generally adequate. However, as described in Table 3.2, waste management should be improved.

3.11 Site interviews

The personnel listed in Section 2.4 were interviewed during the site visit. Site interviews were generally structured around understanding the operational processes and procedures, key environmental risks and how the site demonstrates compliance with SSD_5684 and manages key environmental risks.

Overall, the site interviews demonstrated that the personnel had a good understanding of environmental risks and controls required to mitigate these risks and comply with SSD_5684.

3.12 Previous annual review recommendations

No previous annual reviews have been prepared for the development.

3.13 Key strengths

At no time during the site inspection were unsafe actions or activities, or activities presenting a material harm to the environment observed. Furthermore, the personnel interviewed demonstrated a strong understanding of the requirements of SSD_5684 and their environmental performance obligations.

3.14 Annual review

Condition 4 of Schedule 5 requires PGH to prepare and submit report on the environmental performance of the development for the previous financial year (annual review). The only annual review under SSD_5684 was submitted on 30 November 2020.

The improvement measures recommended in the annual review and progress against these is provided in Table 3.3.

Table 3.3 Status of annual review actions

#	Category	Item	Due	Status
1	Traffic	Ensure the automatic weighbridge system is operational and can provide tonnages and hourly truck counts.	Prior to commencement in the extension area.	Complete
2	Traffic	Provide DPIE with records of tonnages imported and exported from the site.	31 st December 2020.	Complete
3	Management	Update any strategies, plans or programs as required and submit to DPIE for approval prior to commencement in the extension area.	As required.	Will be completed as required
4	Mining	(a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area.	Prior to commencement in the extension area.	Complete
5	Mining	(b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	Prior to commencement in the extension area.	Complete
6	Mining	Provide annual quarry production data to DRG using the standard form for that purpose.	By 31 st October 2020 for year ending 30 th of June.	Complete
7	Traffic	Pay Camden Council road maintenance contributions of \$0.0811 for every tonne of material transported to and from the site, indexed to CPI.	By 31 st December 2020.	Complete
8	Noise	Noise monitoring to be undertaken quarterly for the first 2 years and then reviewed after assessing results.	Quarterly.	Complete first 1 st two quarters of financial year
9	Noise	The noise bund adjacent to the northern boundary of the extraction area is to be constructed.	Prior to commencement in the extension area.	Not required yet
10	Noise	The noise bund adjacent to Greendale Road is constructed.	Prior to commencement of brickmaking operations.	Not required yet (see Table 3.1)
11	Noise	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.	During construction.	Not required yet
12	Noise	Maintain the effectiveness of noise suppression equipment on plant and equipment on site.	At all times.	Ongoing
13	Noise	Minimise the noise impacts of the development during meteorological conditions under which the noise criteria in this consent do not apply.	During adverse meteorologic conditions.	As required
14	Traffic	Design and construct the new site access road intersection with Greendale Road in accordance with applicable AUSTRROADS standards, to the satisfaction of Camden Council. Notify the Secretary in writing within 30 days of obtaining Council approval.	By 24 th February 2022.	See Item 36 of audit table

#	Category	Item	Due	Status
15	Biodiversity	Ensure the Biodiversity Management Plan prepared and is approved by DPIE and implemented.	Prior to commencement in the extension area.	Not required yet
16	Security	Make suitable arrangements to provide appropriate long-term security for the offset area, to the satisfaction of DPIE.	By 24 th February 2022.	Not required yet
17	Biodiversity	Lodge a conservation bond with DPIE to ensure that the biodiversity offset strategy is implemented in accordance with the performance and completion criteria of the Biodiversity Management Plan.	Within 6 months of the approval of the Biodiversity Management Plan.	Not required yet
18	Rehabilitation	Prepare a Final Land Use Options Plan for the site to the satisfaction of DPIE.	By 24 th February 2022.	Not required yet
19	Rehabilitation	Approval of the updated Rehabilitation Management Plan submitted to DPIE 9 th December 2019.	Prior to commencement in the extension area.	Not required yet
20	Visual	Establish a vegetation screen on both noise bunds, as soon as practicable after construction of the bunds.	As soon as practicable after construction of the bunds.	Not required yet
21	Management	After the submission of the Annual Review PGH must review the strategies, plans and programs required under the Mod 1 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.	Within 3 months of the submission of the Annual Review.	Complete
22	Audit	Within a year of commencing development, and every 3 years thereafter, unless the Secretary directs otherwise, PGH must commission an Independent Environmental Audit of the development.	By 24 th February 2021.	This audit
23	Communication	Copies of documents as listed in Schedule 5 Condition 11 must be publicly available on the PGH website.	Within 6 months of commencing development under this consent.	Complete
24	Communication	Ensure a complaints phone line number is displayed on the front entrance to the site.	Prior to commencement in the extension area.	Complete

CHAPTER 4

RECOMMENDATIONS

4 RECOMMENDATIONS

4.1 Non-compliances

Table 4.1 provides more detail regarding the non-compliance recommendations.

Table 4.1 Non-compliance recommendations

Approval (ID)	Recommendation	Category
4 26	Monitor noise to determine if the absence of the bund is resulting in noise exceedances. If not, apply to DPIE to defer construction.\	Terms of consent, operating conditions
9 64	Continue implementation and assessment of management measures in Table 3.2.	Limits of consent
11	Action completed.	Surrender of existing development consent
28	Action completed. Continue quarterly monitoring as described at Item 8 in Table 3.3.	Noise management plan
60	Update plans to be compliant with condition.	Environmental management plans
61	Action completed.	Annual review

4.2 Opportunities for improvement

It is recommended that PGH remain vigilant regarding litter at the weighbridge and spreading across the front of the site, including regular inspections of the area. The bin will help in this regard.

APPENDIX A

AUDIT CRITERIA

Schedule No.	Schedule Title	Condition	Condition/Commitment/Mitigation Measure	Triggered	Compliant	Details of Compliance	Evidence
2	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.	Yes	Yes	PGH has implemented the consent conditions and management plans such that the project has not resulted in "Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial"	Site inspection. Interviews. This audit.
2	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 of the Project Approval.	Yes	No	The bund required under Schedule 2 Condition 4A along Greendale Road has not been constructed. The transport limits were exceeded on three occasions (see under S2 C7).	Site inspection. See under S2 C7.
2	TERMS OF CONSENT	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.	Yes	Yes	No inconsistencies have been observed.	Review of EIS/SEE and site inspection/interview.
2	TERMS OF CONSENT	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.	Yes	Yes	Sighted letter from DPIE stating management plans required under Sched. 3 - conds. 6, 9, 15, 18, 27 and Sched 5 Cond. 1 have been revised to DPIE's satisfaction.	Letter from Matthew Sprott dated 12/12/2019.
2	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.	Yes	Yes	Brick making has occurred. Quarrying has not commenced.	Site inspection. Refer below re quarrying.
2	LIMITS ON CONSENT- 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.	Yes	Yes	(a). No quarrying was observed in the quarrying areas approved under SSD_5684 during the site inspection. Aerial photos have been observed from 7/11/19, 21/03/2020, 28/05/2020, 5/08/2020, 3/10/2020, 7/12/2020 and 26/01/2021 which show the base of the existing pit covered in water. It would not be possible to extract material from the pit in the manner described in the EIS with this amount of water at the base. (b). A SAP extract dated 21/01/2021 showed 130,800 tonnes of products were produced from 24/02/2020 to the end of December 2020. This is below the production limit. (c). See (a). above. (d). A SAP extract dated 21/01/2021 showed 113,139 tonnes of raw materials and 1,500 tonnes of raw additives were received from 20/02/2020 to the end of December 2020. This is below the import limit.	SAP extract Schedule 2 Condition 6_ProductionReport20022020_3122020 dated 21/01/2021. SAP extract Sch 3_Cond 11_Raw Materials Truck Tonnages dated 21/01/2021. SAP extract Sch 3_Cond 11_Import raw materials_Additives dated 21/01/2021.
2	LIMITS ON CONSENT- 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.	Yes	No	(a). A SAP extract dated 21/01/2021 showed 152,786 tonnes of bricks were transported from the site between 20/02/2020 to the end of December 2020. This is below the transport limit. (b & c). A SAP extract dated 21/01/2021 showed exceedances of vehicle limits on 10/11/2020 (11 vehicles), 16/11/2020 (4 vehicles) and 17/11/2020 (3 vehicles). An email from DPIE dated 10/12/2020 states the department was notified of these exceedances on 27/11/2020.	SAP extract for Schedule 2, Condition 7 Bringelly truck numbers 2020 dated 21/01/2021. SAP extract for Schedule 2, Condition 7 dispatches in tonnes feb-dec 2020 dated 21/01/2021. Email from DPIE dated 10/12/2020 Bringelly Quarry/Brickworks - Post Approval Document Received - (SSD-5684-PA-3).
2	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.	Yes	Yes	Sighted email from PGH (Debbie Cook) dated 18/02/2020 notifying council of intention to commence development under SSD_5684 on 24/02/2020. Sighted letter from DPIE (Matthew Sprott) acknowledging commencement of development.	Email from Debbie Cook dated 18/02/2020. Letter from Matthew Sprott dated 20/02/2020.
2	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).	Yes	No	Sighted letter from PGH (Debbie Cook) dated 28/07/2020 notifying Camden Council of surrender of DA 91/1194. This was over four months since commencement of SSD_5684.	Letter from Debbie Cook dated 28/07/2020. Email from Mathew Rawson (Camden Council) dated 4/08/2020.
2	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.	No	N/A	No new buildings/alterations/additions have been constructed.	Comparing structural plans to observations during site inspection.
2	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.	No	N/A	There has been no demolition work.	Comparing structural plans to observations during site inspection.
2	PROTECTION OF PUBLIC INFRASTRUCTURE	12	The Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. Note: This condition does not apply to any damage to roads caused as a result of general road usage.	Yes	Yes	There has been no quarrying, no new buildings/alterations/additions have been constructed and the new driveway and noise bunds have not been constructed. Therefore, no public infrastructure has been damaged by the development nor has any public infrastructure been required to be relocated.	Evidence re quarrying under S.2 C.6. Comparing structural plans to observations during site inspection.
2	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: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Yes	Yes	PGH personnel were interviewed on 0/03/2021 during which the equipment maintenance sections of SAP were demonstrated. Factory equipment maintenance schedules were observed, including maintenance sign-off. Service report for high volume air sampler on 8/12/2020 was sighted. High volume air sampler validation report from 11/12/2020 was sighted. Report of service of Komatsu wheeled loader from 6/10/2020 was sighted.	Interview with Michael Travers and Terry Sargeant on 8/03/2021. VGT (8/12/2020) High volume air sampler - service report. VGT (11/12/2020) Bringelly HVAS calibration December 2020. Komatsu (6/10/2020) PM checks - CSR LTD - WA500-6/56416.
2	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.	No	N/A	PGH has not requested progressive submission of documents.	Letter from Matthew Sprott dated 12/12/2019.
2	UPDATING AND STAGING STRATEGIES, PLANS OR PROGRAMS	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.	Yes	Yes	Sighted letter from DPIE stating management plans required under Sched. 3 - conds. 6, 9, 15, 18, 27 and Sched 5 Cond. 1 have been revised to DPIE's satisfaction.	Letter from Matthew Sprott dated 12/12/2019.
2	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.	Yes	Yes	No quarrying has occurred under SSD_5684. Sighted survey plan and email from Debbie Cook to DPIE dated 3/02/2021 submitting the survey plan. Some survey markers were observed during site inspection.	Email from Debbie Cook dated 3/02/2021. Plan of Portion ML 2 29/04/2015. Site inspection.
2	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION	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.	No	N/A	No quarrying has occurred under SSD_5684. Some survey markers were observed during site inspection.	Site inspection.
2	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).	Yes	Yes	Sighted Clay Minerals Return Form S2 for period ending 30 July 2020. Sighted annual review.	VGT (2020) Annual Review for Bringelly Clay/Shale Mine ML 1731 Year Ending 30th June 2020. Form S2 dated 10/09/2020.

2	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.	Yes	Yes	Council provided the calculation for the s.7.11 road maintenance contribution on 19/02/2021, which comprises at rate based on \$0.0811 indexed for CPI. Sighted a PGH purchase order dated 24/02/2021 for the sum calculated per above.	Letter from council to Michael Travers dated 19/02/2021 <i>Development Consent SSD 5684 Bringelly Brickworks Extension Project Developer Contributions.</i> <i>PGH Bricks & Pavers P/L Purchase Order XXXX Bringelly Road Extensions (24/02/2021).</i>
3	HOURS OF OPERATION	1	The Applicant must comply with the operating hours set out in Table 1 (refer to Project Approval Table 1).	Yes	Yes	There has been no quarrying or construction under SSD_5684. Sign in and out times for deliveries for the month of February were sighted. There were no deliveries prior to 6am. The majority of drivers signed out prior to 6pm on weekdays and 1pm on Saturdays. PGH advises that discrepancies, where the sign-out time is after 6pm, is due to the driver not signing out at all and the system automatically signing the driver out a set time. Dispatch vehicles are not signed out so it was not possible to verify if deliveries are occurring after the operating hours. Notwithstanding the above, no complaints have been received regarding dispatch vehicles and PGH advises the gates to the raw materials and finished products areas are locked at 6pm.	Site inspection and interviews. Site access report in Rapid Global 18/02/2021.
3	NOISE- Noise Criteria	2	The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 2 (refer to Project Approval Table 2) at any residence on privately-owned land. Appendix 5 (refer to Project Approval) 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.	Yes	Yes	To date no complaints have been received from privately-owned land adjacent to the site. Noise was monitored on 8/12/2020 and 9/02/2021 in accordance with S5 of the approval and no exceedances of the criteria in Table 2 were recorded.	MAC (2020) <i>Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW.</i> MAC (2021) <i>Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW - Quarter 1 Ending March 2021.</i>
3	NOISE- Construction Noise	3	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 (refer to Project Approval Table 2) of the Interim Construction Noise Guideline. Note: Management guidelines are applicable to receivers 3 and 4, shown in Appendix 3 of the Project Approval.	No	N/A	Construction of the new site access road, alignment works and noise bund has not commenced.	Site inspection.
3	NOISE- 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.	No	N/A	Quarrying in the extension area has not commenced.	Site inspection.
3	NOISE- Noise Bunds	4A	The Applicant must ensure that the noise bund adjacent to Greendale Road is constructed prior to the commencement of brick making operations.	Yes	No	Brick making operations is defined as "Includes the receipt, handling, processing, storage and transportation of raw materials on site, brick making on site and transportation of finished bricks on site". Brick making as defined above is occurring under SSD_5684. However, the bund adjacent to Greendale Road has not been constructed.	Site inspection.
3	NOISE- 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.	Yes	Yes	(a). As described above, the noise bund along Greendale Road has not been constructed. However, there have not been any exceedances of noise criteria in the absence of the bund and CSR believes it is therefore not reasonable to construct the bund at this stage. The auditor agrees with this assessment. (b). N/A - construction has not commenced. (c). There have not been any exceedances during monitoring to date and therefore operations have not needed to be stopped or relocated. (d). The blank form <i>4M ENV Plant noise suppression effective</i> was sighted, which indicates PGH has provisions to repair noisy equipment. However, this form has not needed to be used since commencement of SSD_5684. (e). No noise complaints have been received so it assumed PGH is effectively managing noise during adverse weather conditions. (f). The condition does not define 'regular'. However, noise was monitored during quarter 4 of 2020 and quarter 1 of 2021.	Site inspection. MAC (2020) <i>Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW.</i> MAC (2021) <i>Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW - Quarter 1 Ending March 2021.</i> <i>4M ENV Plant noise suppression effective.</i> Complaints register.
3	NOISE- Noise Management Plan	6	The Applicant must prepare and implement 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 minimised; • 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.	Yes	No	The noise management plan was approved by DPIE on 12/12/2019, which was prior to commencement of SSD_5684 on 24/02/2020. The noise management plan was reviewed and is consistent with the requirements of this condition. Noise has not been monitored at the required frequency (quarterly) under the noise management plan (noise was not monitored during quarters 1, 2 or 3 of 2020).	Letter from Mathew Sprott (DPIE) <i>Bringelly Brickworks Extension (SSD 5684) Approval of Environmental Management Plans</i> dated 12/12/2019. PGH (2019) <i>Bringelly Brickworks Noise Management Plan.</i>
3	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 (refer to Project Approval Table 3 to 6) at any residence on privately-owned land.	Yes	Yes	Water carts are used as required to dampen potential dust sources. In addition, all external conveyors are covered, water is added in clay preparation to reduce dust and a dust extractor is in place and regularly maintained. Deposited dust The air quality management plan requires dust to be sampled at four samplers monthly. The data available on the website demonstrate this has occurred. Deposited dust results during commencement of SSD_5684 to 5/01/2021 were sighted. The 4 g/m ² /month criterion is an annual average and the reporting period (end of June) has not concluded. Therefore, the 2020/2021 results have not been calculated. Notwithstanding, the rolling average to date is below the criterion. PM₁₀ and total suspended particulates The air quality management plan requires PM ₁₀ to be monitored at a high volume air sampler, which collects samples for a continuous 24 hours every week. There are annual and 24-hour PM ₁₀ criteria and the annual reporting period (end of June) has not concluded. 24-hour data have been sighted from 28/04/20 to 30/12/20 and there were no exceedances of the 24-hour criterion. Total suspended particulates are inferred from the PM ₁₀ results and reported as an annual average. The reporting period (end of June) has not concluded so it not possible to draw conclusions at this time. The last monitoring was reported in the annual review, which concluded criteria were unlikely to be exceeded at residences. Stack emissions The air quality management plan requires stack emissions to be monitored annually. The last monitoring was on 7/04/2020 and reported in the annual review, which concluded criteria were unlikely to be exceeded at residences.	Site inspection and interviews. <i>Bringelly-ssd-environmental-monitoring (1/02/2021).</i> <i>VGT (2020) Annual Review for Bringelly Clay/Shale Mine ML 1731 (Act 1992) Year Ending 30th June 2020.</i>
3	AIR QUALITY- Operating Conditions	8	The Applicant must: (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 (see note (d) to Tables 3-6 above); and (d) monitor and report on compliance with the relevant air quality conditions in this consent; to the satisfaction of the Secretary.	Yes	Yes	Refer to compliance summary above. There has been no quarrying or construction and therefore no disturbance. There has been no rehabilitation.	Site inspection.
3	AIR QUALITY- Air Quality Management Plan	9	The Applicant must prepare and implement an Air Quality 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 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; (d) describe the air quality management system; and (e) include an air quality monitoring program that: • evaluates and reports on: o the effectiveness of the air quality management system; and o 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.	Yes	Yes	The air quality management plan was approved by DPIE on 12/12/2019, which was prior to commencement of SSD_5684 on 24/02/2020. The air quality management plan was reviewed and is consistent with the requirements of this condition.	

3	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.	Yes	Yes	Sighted email from VGT that the meteorological station was installed in accordance with AS3580.1.1 Methods for sampling and analysis of ambient air – Guide to siting air monitoring equipment, and operates in compliance with AS3580.14 Methods for sampling and analysis of ambient air – Meteorological monitoring for ambient air quality monitoring applications and USEPA (2000) EPA 454/R-99-005. NSW EPA approved methods state to use AM-1 (AS2922-1987) for siting of instruments (superseded by AS3580.1.1:2014), AM-2 (AS2923-1987) for measurement of horizontal wind speed (superseded by AS3580.14:2014), and AM-4 for Meteorological monitoring guidance for regulatory modelling applications (USEPA (2000) EPA 454/R-99-005). VGT's NATA accreditation requires it to use the latest version of the Australian Standards. The EPA Industrial Noise states states: "Three basic schemes may be used to determine the occurrence of different stability classes at a particular site, based on the following combinations of meteorological parameters: • Direct measurement of temperature lapse rate over a height interval range of 50 metres minimum, with the lower height a minimum of 10 metres, and wind speed at 10 metres height. • Cloud cover, wind speed and solar elevation (Pasquill-Gifford stability classification scheme and Turner scheme). • Measurements of sigma-theta (the standard deviation of wind direction), wind speed and time of day. All methods involve analysing three months of meteorological data collected in winter, the season during which most inversions occur. Wind measurements are to comply with AS 3580.14-2011: Methods for sampling and analysis of ambient air, Meteorological monitoring for ambient air quality monitoring applications". The weather station is continuously measuring wind direction, wind speed and time of day, allowing the calculation of stability class.	Email from VGT dated 29/01/2021.
3	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); and (b) number of laden vehicle movements from the site (hourly, daily, weekly, monthly and annually); (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.	Yes	Yes	(a). Sighted extract from SAP for dispatch weights (kg) for period February-December 2020. (b). Sighted extract from SAP for hourly and daily (20/02/2020-4/02/2021) laden vehicle movements from the site - weekly, monthly and annual trucks can be inferred from this. (c). Sighted extract from SAP for daily and monthly import of additives for January-December 2020 (annual can be inferred). Sighted extract from SAP for daily and monthly import of raw material from 20/02/2020-10/12/2020 (annual can be inferred).	SAP extract for dispatch weights (kg) for period February-December 2020 dated 21/01/2021. SAP extract for vehicle numbers 20/02/2020-4/02/2021 dated 21/01/2021. SAP extract for daily and monthly additive imports for January-December 2020 dated 21/01/2021. SAP extract for daily and monthly raw material imports 20/02/2020-10/12/2020 dated 21/01/2021.
3	TRANSPORT- 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.	Yes	Yes	It was observed during the site visit that there was sufficient parking for all light and heavy vehicles and there was no impingement on the local roads. Furthermore, no complaints or concerns have been received from Camden Council pertaining to this matter.	Site inspection. Complaints register. Email from Mathew Rawson (Camden Council) dated 27/01/2021.
3	TRANSPORT- 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.	Yes	Yes	(a). All vehicles were observed to be circulating the site in a forward direction. (b). All laden raw material delivery trucks were observed to have loads covered. (c). A high pressure hose was observed near the exit of the site for use to clean truck tyres. A small quantity of sediment was observed on Greendale Road, however, this was on the road side of the gutter and no sediment was observed on the site driveway. Therefore, this sediment was not sourced from the site. (d). All heavy vehicles exiting the site were observed to be travelling east along Greendale Road. (e). The auditor arrived onsite during peak AM drop off period for Bringelly Public School and no dispatch vehicles were observed along Greendale Road at this time. No complaints have been received on site or from the CCC regarding traffic impacts near the school. (f). It is assumed there is no queuing before 6am as no complaints have been received. The following, which are used to ensure the conditions are met, have been observed re this condition: - Toolbox talk dated 11/08/2020 regarding tracking of material on Greendale Road. - Site truck movement plan dated 31/08/2019. - Truck driver induction dated 2/01/2021. - Drivers code of conduct.	Site inspection. Complaints register. Letter from Kath Elliott dated 28/01/2021. Toolbox talk dated 11/08/2020. Site truck movement plan dated 31/08/2019. Truck driver induction dated 2/01/2021. PGH (2019) <i>Bringelly Brickworks Drivers Code of Conduct</i> .
3	TRANSPORT- 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.	Yes	Yes	The new site access road and intersection with Greendale Road have not been constructed. PGH requested an extension to the timeframe stipulated in this condition via letter dated 17/12/2020. Matthew Sprott advised by letter on 24/02/2021 that the extension has been granted. This is within 12 months of commencement under SSD_5684.	Site inspection. Letter from Debbie Cook to Melanie Hollis dated 17/12/2020 <i>Bringelly Brickworks Extension Project (SSD_5684) Schedule 3 Condition 14 Notification of Delay Requirement</i> . Letter from Matthew Sprott dated 24/02/2021 <i>Bringelly Brickworks (SSD-5684) Request to extend Schedule 3 Condition 14</i> .
3	TRANSPORT- Transport Management Plan	15	The Applicant must prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with RMS, 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.	Yes	Yes	The traffic management plan was approved by DPIE on 12/12/2019, which was prior to commencement of SSD_5684 on 24/02/2020. The traffic management plan was reviewed and is consistent with the requirements of this condition.	Letter from Mathew Sprott (DPIE) <i>Bringelly Brickworks Extension (SSD 5684) Approval of Environmental Management Plans</i> dated 12/12/2019. PGH (2019) <i>Bringelly Brickworks Transport Management Plan</i> .
3	SOIL AND WATER- Water Supply	16	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. 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.	Yes	Yes	It is noted that Section 7.6.3 of the EIS stipulated that, as the on-site dams are used solely for the capture, containment and reticulation of drainage, consistent with best management practice to prevent impacts to Thompsons Creek, the dams are exempt from the need to obtain a licence under the WM Act. Notwithstanding the above, according to the water management plan water access licenses 26259, 26257 and 25987 apply to the site. These licenses have been sighted. PGH advised there is little scope for use of site water in processes due to impurities and, therefore, potable water is sourced from Sydney Water's reticulated supply as required (sighted Sydney Water bill dated 13/08/2020).	NSW Water Register search dated 25/01/2021. Sydney Water bill dated 13/08/2020. Site inspection/interview.
3	SOIL AND WATER- Water Discharges	17	The Applicant must comply with the discharge limits in any EPL or with Section 120 of the POEO Act.	Yes	Yes	EPL 1808 has two points of discharge to water with stipulated concentration limits (Point 1 and Point 5). Point 1 must be sampled weekly during a discharge and Point 5 must be sampled 24-hours prior to a discharge. Monitoring results up to the latest sampling event (27/01/2021) are available on the website. No sampling at Point 1 has been triggered since commencement of SSD_5684. Sampling was required at Point 5 14 times during 2020/21. Four exceedances of criteria (conductivity/pH) were recorded. Therefore, PGH did not discharge from Point 5 to Thompsons Creek on the dates of these exceedances. Subsequently there was no pollution of waters under Section 120 of the POEO Act.	Environment Protection License 1808. <i>Bringelly-monitoring-results</i> .

3	SOIL AND WATER- Water Management Plan	18	The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared by suitably qualified 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: o quantity of water required to support operations; o sources and security of water supply; o water use and management on site; o reporting procedures; and o 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: o clean water diversions; o erosion and sediment controls; o the dirty water management system; and o 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: o any surface water discharges; o the effectiveness of the water management system; and o 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: o groundwater inflows to the quarry pit; and o 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.	Yes	Yes	The water management plan was submitted to DPIE on 9/12/2019, which was before SSD_5684 commenced on 24/02/2020. The water and ground water management plans were reviewed and are consistent with the requirements of this condition.	Letter from Matthew Spratt dated 12/12/2019. PGH (2019) <i>Bringelly Brickworks Groundwater Management Plan</i> . PGH (2019) <i>Bringelly Brickworks Water Management Plan</i> .
3	BIODIVERSITY- Biodiversity Offset Strategy	19	The Applicant must implement the Biodiversity Offset Strategy described in the EIS, as summarised in Table 7 (refer to Project Approval) and shown conceptually in Appendix 4 (refer to Project Approval), to the satisfaction of the Secretary.	Yes	Yes	The area shown on Appendix 4 of the approval has been set aside as a biodiversity offset area.	Site inspection.
3	BIODIVERSITY- 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.	No	N/A	This is not due as SSD_5684 commenced on 24/02/2020 and has not operated for 2 years yet.	
3	BIODIVERSITY- Biodiversity Management Plan	21	The Applicant must prepare and implement 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.	No	N/A	Quarrying in the extension area has not commenced. The biodiversity management plan was submitted to DPIE on 12/12/2019 and no response has been received.	Interview. Email from Darren Green to Howard Reed and Stephen Shoemith dated 12/12/2019 SSD5684 PGH Bricks and Pavers Pty Ltd Bringelly- Submission of Biodiversity and Rehabilitation Management Plans.
3	BIODIVERSITY- 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.	No	N/A	The bond is not due as the biodiversity management plan has not been approved yet.	Letter from Kate Drinan (Camden Council) dated 30/09/2016 <i>Bringelly Brickworks Project (SSD-5684)</i> . Email from Richard Bonner (OEH) dated 6/09/2016 <i>Bringelly Brickworks (SSD-5684): Management Plan Consultation</i> .
3	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 (refer to Project Approval); 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).	Yes	Yes	The site is not being rehabilitated as there has not been any disturbance under SSD_5684.	Site inspection.
3	REHABILITATION- 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.	Yes	Yes	The site is not being rehabilitated as there has not been any disturbance under SSD_5684. A water cart was observed to be suppressing dust during the site inspection.	Site inspection.
3	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: (a) be prepared in consultation with DRE and Camden Council; (b) 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; (c) provide details of the conceptual final landform and associated final land uses for the site; (d) ensure that the conceptual final land form is compatible with surrounding land uses, and is consistent with the rehabilitation objectives in Table 8 (refer to Project Approval) and the objectives of the Growth Centres SEPP for the South West Growth Centre; (e) inform the Rehabilitation Management Plan (prepared in accordance with condition 26 of this consent); and (f) be reviewed every 7 years to account for applicable land use priorities, and if necessary updated.	No	N/A	The plan has not been prepared as it is not due for submission yet.	Interview.

3	REHABILITATION- Rehabilitation Management Plan	26	The Applicant must prepare and implement a Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with OEH, DRE, DPI Water 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) 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); (d) 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; (e) include detailed performance and completion criteria for evaluating the performance of the rehabilitation of the site, including triggers for any necessary remedial action; (f) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria; and (g) include details of who would be responsible for monitoring, reviewing, and implementing the plan. Note: The Rehabilitation Management Plan must be reviewed, and if necessary updated, following any update of the Final Land Use Options Plan. The Applicant must implement the approved management plan as approved from time to time by the Secretary.	No	N/A	Quarrying in the extension area is not intended to be commenced in the near term and, therefore, this plan is not required yet. Despite the above, the rehabilitation management plan was submitted to DPIE on 12/12/2019 and a response was received on 3/03/2021.	Interview. Email from Darren Green to Howard Reed and Stephen Shoesmith dated 12/12/2019 SSD5684 PGH Bricks and Pavers Pty Ltd Bringelly- Submission of Biodiversity and Rehabilitation Management Plans. Letter from Kate Drinan (Camden Council) dated 30/09/2016 Bringelly Brickworks Project (SSD-5684). Email from Richard Bonner (OEH) dated 6/09/2016 Bringelly Brickworks (SSD-5684): Management Plan Consultation. Email from Robert Hodgkins (DPIE) dated 3/03/2021 SSD5684 PGH Bricks and Pavers Pty Ltd Bringelly- Submission of Biodiversity and Rehabilitation Management Plans.
3	HERITAGE- Heritage Management Plan	27	The Applicant must prepare and implement 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.	Yes	Yes	Quarrying is not planned to commence in the near term. Notwithstanding, a heritage management plan has been prepared and was approved by DPIE in a letter dated 12/12/2019. The plan was sighted and contains the items required by this condition.	Letter from Matthew Sprott dated 12/12/2019. PGH (2019) Bringelly Brickworks Heritage Management Plan.
3	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.	No	N/A	The bunds have not been constructed.	Site inspection.
3	VISUAL	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.	Yes	Yes	To date no visual/lighting nuisance complaints have been received. External lighting does not illuminate large areas outside of the development boundary.	Site inspection and interview. Complaints register.
3	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.	Yes	Yes	A water reticulation system which can be used during a fire in or near the production facility was sighted. Site personnel are not trained to respond to bush fires and are advised not to. However, equipment such as water tankers and extinguishers can be made available on request.	Site inspection and interview.
3	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.	Yes	Yes	Only virgin excavated natural material and excavated natural material is imported to site. Sighted an example waste analysis and classification report for material to be imported to site dated 17/03/2020, which classifies the material as VENM. PGH's raw materials manager visits the job sites (where material is sourced) regularly to observe what is being extracted and stockpiled. The loader driver will push up the deposited material and look for foreign material, and when the stock pile is used, every bucket load is effectively assessed for foreign material, as well as crusher and screens preventing it going through the process.	ADE Consulting Group (2020) Waste Analysis & Classification Report Lot 6 DP270714, 2 Broadcast Way, Artarmon. Site inspection and interview.
3	WASTE	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.	Yes	Yes	All sewage is collected in a dedicated bunded tank and pumped out weekly by a licensed sullage contractor (Brandster Services Pty Ltd). Bunded tank was sighted.	Site inspection and interview.
3	WASTE	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.	Yes	Yes	All general waste is removed from site by a licensed contractor and disposed of accordingly. No quarrying waste has been generated as there has been no quarrying since commencement under SSD_5684. Bins for paper and metal recycling, general solid waste disposal and a storage area for timber waste were observed. Some litter was observed at the weighbridge, however, this had been removed by the end of the site inspection. The most recent annual return was sighted, which contained a waste section.	Site inspection. VGT (2020) Annual Review for Bringelly Clay/Shale Mine ML 1731 (Act 1992) Year Ending 30th June 2020.
4	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.	No	N/A	No exceedances have affected landowners.	Complaints register. MAC (2020) Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW. MAC (2021) Noise Monitoring Assessment - PGH Bricks Bringelly - Bringelly, NSW - Quarter 1 Ending March 2021.
4	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.	No	N/A	No independent reviews have been requested.	Advised by Michael Travers (PGH).
5	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.	Yes	Yes	An EMS was submitted to DPIE on 9/12/2019 and approved on 12/12/2019. Sighted EMS to confirm required contents.	Letter from Matthew Sprott dated 12/12/2019. PGH (2019) Bringelly Brickworks Environmental Management Strategy.
5	ENVIRONMENTAL MANAGEMENT- 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;	Yes	Yes	The EIS, SEE, EMS and management plans required by SSD_5684 have been prepared and implemented to address project-related risks and there have not been any exceedances of criteria in conditions 2, 7 and 17 of Schedule 3.	See under conditions 2, 7 and 17 of Schedule 3.

5	ENVIRONMENTAL MANAGEMENT- 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.	Yes	No	Management plans triggered by the commencement of development under SSD_5684 are: traffic management plan, water management plan, air quality management plan, noise management plan. These plans have been reviewed in reference to the requirements of this condition. The traffic management plan does not contain contingencies should limits be exceeded and does not contain measures for reporting incidents, non-compliances with the approval. The noise management plan does not contain a contingency plan.	PGH (2019) <i>Bringelly Brickworks Transport Management Plan</i> . PGH (2019) <i>Bringelly Brickworks Noise Management Plan</i> .
5	ENVIRONMENTAL MANAGEMENT- 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.	Yes	No	The annual review dated 21/09/2020 was sighted. According to an email from DPIE dated 30/11/2020 the annual review was sent to Steven Shoemith on 2/10/2020 and 'lodged' to the major projects website on 30/11/2020. This is past the end of September and the delay is allegedly due to the inaccessibility of the website. Despite the above, the annual review was completed on 21/09/2020.	VGT (2020) <i>Annual Review for Bringelly Clay/Shale Mine ML 1731 Year Ending 30th June 2020</i> . Form S2 dated 10/09/2020. Email from DPIE dated 30/11/2020 acknowledging receipt of annual review.
5	ENVIRONMENTAL MANAGEMENT- 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.	Yes	Yes	(a). Sighted final minutes from meeting regarding revision of environmental management plans after annual review and exceedance of C7 S2 (1st mentioned in meeting minutes dated 6/10/2020). It was decided only minor revisions were required and plans were not resubmitted to DPIE for review/approval.	PGH (6/10/2020) <i>Bringelly State Significant development Teams Meeting 6 Oct 2020</i> . PGH (19/01/2021) <i>Bringelly SSD Strategies Plans and Programs Review Final Conclusions - 19 Jan 2021</i> .
5	ENVIRONMENTAL MANAGEMENT- Community Consultative Committee	6	The Applicant shall 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.	Yes	Yes	A CCC was established whilst DA 31/1194 was still in effect. The independent CCC chairperson stated in a letter dated 28/01/2021 that the CCC has functioned well.	<i>Bringelly Brickworks CCC Annual Report 2019</i> . Letter from Kath Elliott dated 28/01/2020.
5	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.	Yes	No	C7 S2: DPIE was informed of exceedance on 27/11/2020, which was 17 days after the first exceedance on 10/11/2020. A detailed report was provided to DPIE on 10/12/2020.	SAP extract for Schedule 2, Condition 7 Bringelly trucks numbers 2020 dated 21/01/2021. Email from DPIE dated 10/12/2020 <i>Bringelly Quarry/Brickworks - Post Approval Document Received - (SSD-5684-PA-3)</i> . Email to DPIE dated 10/12/2020 <i>Bringelly Brickworks SSD5684 Consent condition 7 (b) and (c), transport limits exceedance</i> .
5	REPORTING- 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.	Yes	Yes	The EMS and water management plans require reporting via the annual review. The most recent annual review is available on the website.	PGH (2019) <i>Bringelly Brickworks Groundwater Management Plan</i> . PGH (2019) <i>Bringelly Brickworks Environmental Management Strategy</i> . PGH (2019) <i>Bringelly Brickworks Water Management Plan</i> . VGT (2020) <i>Annual Review for Bringelly Clay/Shale Mine ML 1731 (Act 1992) Year Ending 30th June 2020</i> .
5	INDEPENDENT ENVIRONMENTAL AUDIT	9	Within a year of the 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; and (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.	Yes	Yes	This independent environmental audit. The audit commenced 29/01/2021, which is before the anniversary of the approval (24/02/2021).	This report.
5	INDEPENDENT ENVIRONMENTAL AUDIT	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.	No	N/A	The audit report is due 24/04/2021 and was submitted on 30/03/2021	This report.
5	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 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.	Yes	Yes	The EIS/Modification 1 document, approval, complaints register, minutes of CCC meetings and annual review (since commencement of SSD_5684 are on the website. Section 6.2 of the EMS states a summary of all monitoring results will be available on the website. The EMS requires monitoring for compliance with air quality criteria, surface water quality and groundwater quality. Results of this monitoring are available on the website.	PGH (2019) <i>Bringelly Brickworks Environmental Management Strategy</i> .

APPENDIX B

PLANNING SECRETARY AUDIT
TEAM AGREEMENT



PGH Bricks & Pavers
59-67 Cecil Road
Cecil Park NSW 2178

EMAIL ONLY: DECOOK@pghbricks.com.au

Attention: Debbie Cook

15 December 2020

Dear Debbie Cook,

**Agreement of Independent Auditor
Bringelly Brickworks Quarry Extension SSD-5684**

I refer to your submission seeking the agreement of the Planning Secretary of the Department of Planning, Industry and Environment (**Department**) of a suitably qualified, experienced and independent audit team to undertake an Independent Environmental Audit (**IEA**) of the Bringelly Brickworks Quarry Extension – SSD-5684 (**Consent**).

In accordance with Schedule 5, Condition 9(a) of the Consent, the Planning Secretary has agreed to the following audit team from Element Environment Pty Ltd:

- Mark Roberts – Lead auditor
- Irina Kliger – Peer reviewer and audit challenger

Please ensure this correspondence is appended to the IEA report.

The IEA must be prepared, undertaken and finalised in accordance with the reporting and submission requirements specified in Schedule 5, Conditions 9 and 10 of the Consent. Failure to meet these requirements will require revision and resubmission. The Department encourages the auditors to consider the *Independent Audit Post Approval Requirements* (Department, 2020) when preparing the IEA report.

The Department reserves the right to request an alternate auditor or audit team for future audits.

Notwithstanding the agreement for the above listed audit team for this Project, each respective project approval or consent requires a request for the agreement to the auditor or audit team be submitted to the Department, for consideration of the Secretary. Each request is reviewed and depending on the complexity of future projects, the suitability of a proposed auditor or audit team will be considered.

If you wish to discuss the matter further, please contact Hala Fua on 8837 6328.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'J. Fua'.

Julia Pope

Team Leader Compliance Metro

As nominee of the Planning Secretary

APPENDIX C

CONSULTATION

Table C.1 Stakeholder consultation

Stakeholder	Date	Summary of stakeholder response	Comments
DPIE – Hala Fua	18/01/2021	No response.	–
DPIE – Melanie Hollis	18/01/2021	No comments.	–
DPIE – Robert Hodgkins	18/01/2021	No comments.	–
Camden Council – Matthew Rawson	18/01/2021	Noted there had been complaints relating to trucks leaving dust and debris on the road, however, these were prior to the audit period.	–
EPA – William Dove	18/01/2021	EPA advised that no complaints were received during the previous 24 months and that there were two self-reports to the Environment Line relating to overflows from dams on 10/02/2020. The EPA requested the items in the ‘comments’ column be considered.	<p>The overflows from the dams were prior to commencement of development under SSD_5684.</p> <ul style="list-style-type: none"> ▪ Non-compliances reported by PGH in their Annual Returns as they relate to consent condition requirements: the above non-compliance was reported in the annual return for the period ending 31/05/2020. As described above, this was prior to commencement of development under SSD_5684. ▪ Any operational and preventative maintenance programs in place: auditor not aware of any. ▪ Records of inspections and maintenance of plant and equipment: refer to Row 15 of the audit table. ▪ Any environmental improvement or management plans in place: refer to Section 3.5 of audit report. ▪ Staff training in environmental issues, and records of this training: environmental training and record keeping is described in Chapter 7 of the EMS. ▪ Compliance with S66(6) of the POEO Act, requirement to publish pollution monitoring data: environmental monitoring data is available on the website in accordance with Condition 11, Schedule 5 of the consent. ▪ Compliance with S153A, Pollution Incident Response Management Plan (PIMRP): the PIRMP is attached to the EMS and available on the website. ▪ Production data against consent limits, for Mining, Extractive industries, Crushing grinding or separating and Ceramic Works: refer to Row 8 of the audit table.

Stakeholder	Date	Summary of stakeholder response	Comments
			<ul style="list-style-type: none"> ▪ Compliance with concentration limits for Licence Discharge Points 1, 2 and 5 on EPL 1808: refer to rows 29 and 39 of the audit table. ▪ Reference conditions, oxygen correction factors and averaging periods for air emissions monitoring: refer to Row 15 of audit report. ▪ Compliance with noise conditions: refer Row 23 of the audit table.
Resources Regulator – Jenny Ehmsen	28/01/2021	The Resources Regulator requested an assessment of compliance with a number of aspects related to Mining Lease 1731 (1992).	A review of performance against a mining lease is outside the scope of this audit as no lease is referenced in SSD_5684. The Resources Regulator is directed to VGT (2020) <i>Annual Review for Bringelly Clay/Shale Mine ML 1731 (Act 1992) Year Ending 30th June 2020</i> for a review of lease matters for 2019-2020. The current annual review period will end on 30 June 2021.
RMS – Nicolas Kocoski	28/01/2021	No response.	–
CCC – Kath Elliot	28/01/2021	No complaints received by the CCC. The committee has functioned well and discussion about environmental issues have been prompted by quality and proactive environmental and social impact reporting by the company.	–

15 January 2021

Attention: Hala Fua
Senior Compliance Officer

NSW Department of Planning, Industry and Environment
Via email
Email: hala.fua@planning.nsw.gov.au



PO Box 1563
Warriewood
NSW 2102

ABN 45 162 835 083

Dear Hala

Independent environmental audit of the PGH Bringelly Brickworks and Quarry

I am writing to inform you that I have been engaged by PGH Bricks and Pavers Pty Ltd (PGH), with the endorsement of the Planning Secretary, to independently audit the environmental performance of the Bringelly Brickworks and Quarry at 60 Greendale Road, Bringelly.

The Bringelly Brickworks and Quarry operates under development consent number SSD 5684 and the audit is intended to be carried out during the months of January and February 2021, in accordance with Schedule 5 Condition 9 of the consent. It is a requirement of this condition that the auditor consults with relevant agencies to obtain their input into the scope of the audit.

I therefore kindly request confirmation of any complaints you have received, any observed incidents or any issues you would like examined relating to the development.

Given the scheduled duration of the audit, it would be appreciated if this information were provided before 29 January 2021.

If you have any questions please don't hesitate to get in contact.

Kind Regards

A handwritten signature in black ink that reads 'mroberts' followed by a stylized flourish.

Mark Roberts
Senior Environmental Scientist

0414 670 254
mark.roberts@elementenvironment.com.au

MAAG0009775

Mr Mark Roberts
Element Environment
PO Box 1563
Warriewood NSW 2102

By email: mark.roberts@elementenvironment.com.au

Dear Mr Roberts,

Subject: PGH Bringelly Brickworks and Quarry– Independent Environmental Audit

Thank you for your email and letter dated 28 January 2021 requesting consultation on the independent audit to be undertaken of the PGH Bringelly Brickworks and Quarry which is covered by Mining Lease 1731 (1992).

The Resources Regulator requires that the following issues be addressed in independent environmental audits undertaken in accordance with a planning consent condition.

- Review relevant mining leases and exploration licences as agreed with Resources Regulator;
- Undertake an assessment of compliance against the conditions of title related to environmental management;
- Verify that there is a current Mining Operations Plan (MOP) in place and it has been approved by the Regulator – review compliance against any conditions of approval of the MOP;
- Undertake a critical review of the MOP, including an assessment of its compatibility with the description of operations contained in the planning approval. In particular:
 - Review the rehabilitation strategy as outlined in the MOP to determine if it is consistent with the Project Approval in terms of progressive rehabilitation schedule; and proposed final land use(s);
 - Review the rehabilitation objectives and completion criteria as outlined in the MOP to determine if they have been developed in accordance with the proposed final land use(s) as outlined in the Project Approval;

- Review the development and implementation of any rehabilitation monitoring programs to assess performance against the nominated objectives and completion criteria – verified by reviewing monitoring reports and rehabilitation inspection records;
- Determine if a rehabilitation care and maintenance program has been developed and implemented based on the outcomes of monitoring program – verified by reviewing Annual Rehabilitation Programs or similar documentation;
- Confirm that mining operations are being conducted in accordance with the approved MOP (production, mining sequence etc.), including within the designated MOP approval boundary – to be verified by site plans and site inspection;
- Confirm that rehabilitation progress is consistent with the approved MOP as verified by site plans and a site inspection. This should include an evaluation against rehabilitation targets and whether the final landform is being developed in accordance with conceptual final landform in the Project Approval;
- Review the implementation of the weed management plan prepared under Notice NTCE0002315 issued by the Regulator on 1 May 2019, and the progress in controlling weeds on site; and
- Based on a visual inspection, determine if there are any rehabilitation areas that appear to have failed or that have incurred an issue that may result in a delay in achieving the successful rehabilitation outcomes.

In addition to the above, the audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice.

It would be appreciated if a copy of the final audit report could be sent to the Regulator at nswresourcesregulator@service-now.com upon completion of the audit.

Yours sincerely

Jenny Ehmsen
Principal Compliance Auditor

1 February 2021

From: [Mathew Rawson](#)
To: [Mark Roberts](#)
Subject: RE: PR150 - Independent environmental audit of the PGH Bringelly Brickworks and Quarry
Date: Wednesday, 27 January 2021 9:47:31 AM
Attachments: [image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image006.jpg](#)
[image007.jpg](#)
[image008.jpg](#)
[image009.jpg](#)
[image010.jpg](#)
[image011.jpg](#)
[image012.jpg](#)
[image013.jpg](#)
[image014.jpg](#)
[image015.jpg](#)
[image016.png](#)

Hi Mark,

Thanks for your patience. Camden Council has no specific comments on the development aside from noting that Council has previously received complaints relating to trucks leaving dust and debris on the road when leaving the site.

If you would like to discuss further please do not hesitate to contact me.

Regards,

Mathew Rawson
acting Manager Statutory Planning



70 Central Avenue, Oran Park, 2570
 (02) 4654 7980
 www.camden.nsw.gov.au

PO Box 183, Camden NSW 2570
 Mathew.Rawson@camden.nsw.gov.au



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From: Mathew Rawson
Sent: Monday, 18 January 2021 11:39 AM
To: Mark Roberts <mark.roberts@elementenvironment.com.au>
Subject: RE: PR150 - Independent environmental audit of the PGH Bringelly Brickworks and Quarry

Hi Mark,

Thanks for your email. I will discuss internally and get back to you with any comments by the end of this week.

Regards,

Mathew Rawson
Team Leader DA Assessments West



70 Central Avenue, Oran Park, 2570

(02) 4654 7980

www.camden.nsw.gov.au

PO Box 183, Camden NSW 2570

Mathew.Rawson@camden.nsw.gov.au



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From: Mark Roberts <mark.roberts@elementenvironment.com.au>

Sent: Monday, 18 January 2021 9:45 AM

To: Mathew Rawson <Mathew.Rawson@camden.nsw.gov.au>

Cc: PR150 <PR150@elementenvironment.com.au>

Subject: [SUSPICIOUS MESSAGE] PR150 - Independent environmental audit of the PGH Bringelly Brickworks and Quarry

This e-mail has originated from an external organisation

Hi Matthew,

I am writing to inform you that I have been engaged by PGH Bricks and Pavers Pty Ltd (PGH), with the endorsement of the Planning Secretary, to independently audit the environmental performance of the Bringelly Brickworks and Quarry at 60 Greendale Road, Bringelly.

Please see attached a letter inviting you to comment on the project.

I received your name from PGH – please let me know if you're not the appropriate contact and who else I should contact regarding the audit.

Regards

Mark Roberts
Senior Environmental Scientist

0414 670 254



SYDNEY NEWCASTLE CENTRAL COAST TOWNSVILLE
elementenvironment.com.au

From: [Melanie Hollis](#)
To: [Mark Roberts](#)
Cc: [Robert Hodgkins](#)
Subject: RE: PR150 - Independent environmental audit of the PGH Bringelly Brickworks and Quarry
Date: Monday, 18 January 2021 10:38:03 AM
Attachments: [image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image006.png](#)

Hi Mark

I don't have anything specific, however my colleague Robert (cc'd to this email) may have.

Kind Regards

Melanie Hollis

Principal Planning Officer
Resource Assessments | Energy, Industry and Compliance
Level 16, 4 Parramatta Square, 12 Darcy Street |
Locked Bag 5022| Parramatta NSW 2124
T 02 8217 2043 E melanie.hollis@planning.nsw.gov.au

cid:image001.jpg@01D52FEE.9D724010



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The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.



Please consider the environment before printing this e-mail.

From: Mark Roberts <mark.roberts@elementenvironment.com.au>
Sent: Monday, 18 January 2021 9:42 AM
To: Melanie Hollis <Melanie.Hollis@planning.nsw.gov.au>
Cc: PR150 <PR150@elementenvironment.com.au>
Subject: PR150 - Independent environmental audit of the PGH Bringelly Brickworks and Quarry

Hi Melanie,

I am writing to inform you that I have been engaged by PGH Bricks and Pavers Pty Ltd (PGH), with the endorsement of the Planning Secretary, to independently audit the environmental performance of the Bringelly Brickworks and Quarry at 60 Greendale Road, Bringelly.

Please see attached a letter inviting you to comment on the project.

I received your name from PGH – please let me know if you're not the appropriate contact and who else I should contact regarding the audit.

Regards
Mark Roberts

Senior Environmental Scientist

0414 670 254



SYDNEY NEWCASTLE CENTRAL COAST TOWNSVILLE

elementenvironment.com.au

From: [William Dove](#)
To: [Mark Roberts](#)
Subject: Independent Environmental Audit PGH Bringelly Brickworks and Quarry
Date: Wednesday, 20 January 2021 4:28:51 PM
Attachments: [image003.png](#)

Dear Sir,

I refer to your letter to EPA dated 15 January 2021.

You advised EPA you have been engaged by PGH to undertake an audit of the Bringelly Brick Works SSD 5684.

The EPA comments as follows:

- PGH holds Environment Protection Licence (EPL) 1808. A copy of the EPL is available on the EPA public register. <https://apps.epa.nsw.gov.au/prpoeoapp/default.aspx>
- Copies of S58 Notices varying the EPL, Pollution studies and reduction programs, and Annual Returns (AR) back to 2001 are available on the public register.
- The Annual Returns includes detail on non-compliance with Environment Protection Licence conditions
- In the last 24 months, the EPA has two records where incidents have been reported to Environment Line. They were self-reports relating to overflows from dams at PGH on 10.02.2020
- The EPA is not aware of any community complaints made in the last 24 months

While carrying out the audit the EPA requests that you review and assess the following:

- non-compliances reported by PGH in their Annual Returns as they relate to consent condition requirements
- any operational and preventative maintenance programs in place.
- records of inspections and maintenance of plant and equipment
- any environmental improvement or management plans in

place

- staff training in environmental issues, and records of this training
- Compliance with S66(6) of the POEO Act, requirement to publish pollution monitoring data
- Compliance with S153A, Pollution Incident Response Management Plan (PIMRP)
- Production data against consent limits, for Mining, Extractive industries, Crushing grinding or separating and Ceramic Works
- Compliance with concentration limits for Licence Discharge Points 1, 2 and 5 on EPL 1808.
- reference conditions, oxygen correction factors and averaging periods for air emissions monitoring
- compliance with noise conditions.

Please contact me if you have any questions.

Kind regards

William Dove

Unit Head Regulation - Illawarra
Regulatory Operations Metro South
NSW Environment Protection Authority
M 0427 706 452



www.epa.nsw.gov.au [@NSW_EPA](https://twitter.com/NSW_EPA)

The EPA acknowledges the traditional custodians of the land and waters where we work. As part of the world's oldest surviving culture, we pay our respect to Aboriginal elders past, present and emerging.

Report pollution and environmental incidents 131 555 or +61 2 9995 5555

This email is intended for the addressee(s) named and may contain confidential and/or privileged information.

If you are not the intended recipient, please notify the sender and then delete it immediately.

Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the Environment Protection Authority.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

APPENDIX D

SITE PHOTOGRAPHS



Picture 1: IMG_5863 Entry driveway



Picture 2: IMG_5864 Entry driveway



Picture 3: IMG_5866 Exit gate from brick yard



Picture 4: IMG_5867 Entry and exit driveway



Picture 5: IMG_5869 Weigh bridge



Picture 6: IMG_5871 Greendale Road frontage



Picture 7: IMG_5872 Greendale Road frontage



Picture 8: IMG_5874 Site exit gate



Picture 9: IMG_5876 Site intersection with Greendale Road

Picture 10: IMG_5878 Truck entering site with covered load



Picture 11: IMG_5880 Weigh bridge

Picture 12: IMG_5882 Car park drain



Picture 13: IMG_5884 Site car park



Picture 14: IMG_5885 Site car park



Picture 15: IMG_5887 Brick storage yard



Picture 16: IMG_5888 Brick storage yard



Picture 17: IMG_5889 Internal road



Picture 18: IMG_5892 Dam 4



Picture 19: IMG_5893 Dam 5



Picture 20: IMG_5894 Dam 5



Picture 21: IMG_5895 Spillway between dams 4 and 5



Picture 22: IMG_5896 Dam 4



Picture 23: IMG_5897 Pump and dosing shed adjacent to Dam 4



Picture 24: IMG_5899 Weather station adjacent to Dam 4



Picture 25: IMG_5901 Embankment adjacent to Dam 4



Picture 26: IMG_5903 Bunded driveway at fuel stations



Picture 27: IMG_5904 Bunded fuel station



Picture 28: IMG_5905 Paper recycling bin



Picture 29: IMG_5906 Spill kit



Picture 30: IMG_5907 Flammable liquid storage



Picture 31: IMG_5912 Dam 6



Picture 32: IMG_5915 Dam 6 outlet to Thompsons Ck



Picture 33: IMG_5917 Water cart – dust suppression



Picture 34: IMG_5919 Bund along east site boundary



Picture 35: IMG_5920 Bund along east site boundary



Picture 36: IMG_5921 Raw material stockpile area



Picture 37: IMG_5922 Box feeder



Picture 38: IMG_5923 Raw material stockpile area and conveyor



Picture 39: IMG_5925 Quarry pit



Picture 40: IMG_5926 Quarry pit



Picture 41: IMG_5927 Quarry pit



Picture 42: IMG_5928 Quarry pit batters



Picture 43: IMG_5929 Quarry pit and minor erosion



Picture 44: IMG_5931 Undeveloped Cell H



Picture 45: IMG_5932 Undeveloped Cell H



Picture 46: IMG_5933 Undeveloped Cell I



Picture 47: IMG_5935 West boundary fence - Cell I



Picture 48: IMG_5938 Undeveloped Cell I



Picture 49: IMG_5939 Cell I survey marker



Picture 50: IMG_5940 Cell I survey marker



Picture 51: IMG_5942 Southern boundary fence – Cell I



Picture 52: IMG_5943 Southern boundary fence – Cell I



Picture 53: IMG_5945 Bund along north boundary – Cell D



Picture 54: IMG_5947 Dam 1



Picture 55: IMG_5949 Stack air emissions monitoring point



Picture 56: IMG_5950 Wheel wash hose



Picture 57: IMG_5952 General waste bin



Picture 58: IMG_5953 Metal recycling bin



Picture 59: IMG_5954 Gas storage



Picture 60: IMG_5955 Fire hydrant and hose reel



Picture 61: IMG_5957 Bunded sewage tank



Picture 62: IMG_5958 Bunded sewage tank



Picture 63: IMG_5959 Bunded oil and chemical storage



Picture 64: IMG_5960 Bunded oil and chemical storage



Picture 65: IMG_5961 Bunded oil and chemical storage



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