



Annual Report

1 April 2020 to 31 March 2021

Shale Road Pit

Extractive Industry

Kiln Road, Byford

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1. Compliance with Planning Approval conditions and Extractive Industry Local Laws

A self-audit compliance table is provided in Appendix A. This table provides details of Austral Bricks' self-audit against conditions of the Planning Approval and Extractive Industry Licence for Lots 31, 32 and 33 Kiln Road Byford.

During this annual period, Austral Bricks has continued the removal of pastel shale from Stage 2 and greenstone (red firing) from Stage 3.

2. Monitoring Results and Complaints record

The results of the water quality monitoring are attached to this report; Water Monitoring Report 2020-21, Austral Bricks Shale Road, Rev 0 March 2021.

There were no complaints received by Austral Bricks during the annual period.

3. Implementation of Management Plans

Compliance Assessment Plan & Audit Table

This annual report includes the annual compliance audit table (Appendix A), and a review of progress with regards to implementation of management plans for the site.

Austral Bricks will continue to implement the Compliance Assessment Plan.

Dust Management Plan

Austral Bricks has implemented the approved Dust Management Plan for the site.

All operational staff is trained in dust management. During operations, a water cart is utilised to suppress dust on the trafficable areas, working face of the quarry and on the stockpile. Additionally, Kiln Road has been sealed and Austral has installed rumble grids to remove as much material from vehicles exiting the site as possible. A street sweeper is utilised if the roads become dusty.

During the summer carting season 2020-2021, Austral Bricks has continued using Dustex, a plant based polymer, on the haul road surface. This has seen continued improvement in preventing dust

lift-off from the road surface as well as a reduction in water use for dust suppression. Austral Bricks has also cleaned out and maintained the cattle grids in July 2020 and February 2021.

If operations are generating dust under the usual dust management, the Operator notifies the Resources Manager or the Quarry Manager who will investigate whether further dust management actions are required, and will implement those actions.

If dust is unable to be controlled due to heavy winds, the Operator will notify the Resources Manager or Quarry Manager and operations will cease until weather permits.

Noise Impact Assessment and Report

The noise modelling undertaken in 2013 by Lloyd George Acoustics was field tested during the 2015/16 annual period and a Noise Monitoring Report was submitted to the Shire. The report concludes that the pit can comply with noise regulations.

Austral Bricks did not receive any noise complaints against the operations during the annual period.

Community Stakeholder Group

During the annual period, Western Australia, Australia and the world was dealing with the Coronavirus pandemic. This saw Western Australia go into lockdown with significant restrictions on community gatherings. As such, due to Coronavirus the Group was unable to meet for the majority of the year with only one meeting held on 17th March 2021.

During the annual period Austral Bricks has been working to enhance the CSCG's operation, with changes designed to provide greater community access to information and greater accountability. With the CSCG operating since 2013 it was deemed appropriate to update its terms of reference to improve aspects of its operations in the interests of transparency and greater effectiveness. Significantly, changes being made to the CSCG's terms of reference will mean that information usually only provided to CSCG members will instead be made available to the entire community, including media. This public release of information will include agendas, minutes, meeting notes, attendance notes and relevant supporting documents.

The revised terms of reference outlines proposed minor modifications to membership, meeting procedures and principles, role of community members and code of conduct. The revised Terms of Reference was presented to the CSCG members at the meeting held on 17th March 2021.

The key issues discussed within the Group during the recent meeting was:

- Terms of Reference
- DA/EPA progression
- Dust management

Austral Bricks have engaged with the Shire and provided an amended Terms of Reference and Community Consultative Frameworks for approval. Austral will continue to engage with the community and the CSCG on its operations.

Water Management Plan

The Water Management Plan was approved by the Shire on 2 April 2015.

Austral Bricks engaged Coterra Environment to complete ongoing monitoring and assessment of water quality management at the site. The recent groundwater and surface water monitoring report is attached to this report.

Further improvements to water management have occurred during the annual period by installing an overflow pipe from pond 1 to pond 2. Water levels have continued to be monitored during the annual period and managed if required. There have been no discharges from the southern pond during the annual period.

Traffic Management Plan

Austral Bricks has implemented the recommendations of the Traffic Management Plan and has upgraded Kiln Road.

Austral Bricks undertake ongoing maintenance of the internal road and rumble grids. During this annual period, Austral Bricks has cleaned out and maintained the cattle grids in July 2020 and February 2021 and continued using Dustex on the haul road surface.

Fire Management

Austral Bricks has submitted a Fire Management Plan to the Shire which will be implemented in its entirety. The trafficable firebreaks were maintained throughout the year. The site contains stormwater ponds which can be used as a water source in the case of an emergency. Backup fire-fighting equipment and water can also be sourced from our Cardup Plant operations on Kiln Road.

Visual & Rehabilitation Management Plan

An updated Visual and Rehabilitation Management Plan was submitted to the Shire for approval in September 2012.

Screening vegetation will continue to be planted along site boundaries as extraction progresses to ensure that future operations are adequately screened.

Rehabilitation of extraction areas will continue to be completed progressively as areas become available.

General maintenance including weed control, site drainage, repairs to fencing etc. is ongoing and undertaken on a regular basis.

4. Summary

Austral Bricks is managing the site in accordance with the approval conditions as stipulated by the Shire and in accordance with all management plans.

Appendix A

Self-Audit Compliance Assessment Table

Compliance Audit Table			
Planning Approval Lots 6 Shale Road, Lots 3 & 50 Kiln Road, Byford (now Lots 31, 32, 33 Kiln Road)			
No.	Requirement	Compliance	Comments
1	This approval expires 31 December 2017	Compliant	Timeframe was appealed though State Administrative Tribunal and has been revised to 31st December 2022. Austral Bricks is required to submit an independent audit of the approval and the company's management plans between 3-6 months prior to 31 December 2017. Austral Bricks submitted an independent audit to the Shire on 16 th October 2017 and received a notice of compliance on 8 th March 2018.
2	Operating hours are restricted to 6am to 5pm Monday to Saturday and are not permitted to occur on Sundays and Public Holidays	Compliant	Operating hours are from 7am to 5pm Monday to Saturday to ensure compliance with the Noise Regulations.
3	The landowner shall submit an Annual report to the Shire's director Development Services by 31st March each year. The annual report shall include an internal compliance audit of all the development and license approval conditions and management plans. The annual report shall also provide details relating to complaints and complaints responses.	Compliant	This audit compliance table has been generated as part of the annual reporting process. The required details are included in the annual report.

<p>4</p>	<p>The proponent shall within 90 days of this approval prepare a compliance assessment plan and audit table utilising the frameworks detailed in the Environmental Protection Authority document guidelines for proponents: Preparing a Compliance Assessment Plan. This plan is to be submitted for approval by the Director Development Services.</p>	<p>Compliant</p>	<p>The Compliance Assessment Plan has been submitted to the Shire.</p>
<p>5</p>	<p>The landowner shall within 90 days of the date of this approval prepare and submit a Dust Management Plan (DMP), in accordance with the Department of Environment and Conservation's A Guideline for Managing the Impacts of Dusts and Associated Contaminates from Land Development Sites, Contaminated Sites Remediation and Other Related Activities document dated March 2011 (DEC Guide). Once approved, the Dust Management Plan is to be implemented in its entirety. Council may agree, following submission of an application in writing, to vary the approved Dust Management Plan.</p>	<p>Compliant</p>	<p>The Dust Management Plan has been submitted to the Shire.</p>
<p>6</p>	<p>The landowner shall submit to the Shire for assessment a Noise Impact Assessment (NIA) and Noise Report prepared by a suitably qualified acoustic consultant by 30 June 2013, following the first full excavation campaign. Once approved by the Director Development Services, the noise report shall be implemented in its entirety.</p>	<p>Compliant</p>	<p>The Noise Management Plan has been approved by the Shire. The noise modelling was field tested during the 2015-16 excavation period and a Noise Impact Assessment Report submitted to the Shire.</p>

7	The landowner is to submit to the shire within 12 months of this approval, a plan for a Community Consultation Framework. The plan shall include, but not be limited to the relevant land owner, community and government agency representatives, terms of reference for the Community Consultation Group and the frequency of the meetings. Once approved by the Director Development Services the plan is to be implemented in its entirety.	Compliant	Community Consultation Framework has been submitted. Cardup Stakeholder Consultation Group has been established and covers the Southern Extractive Industry site. The Terms of Reference of the Group were updated during the 2020/2021 annual period in consultation with the members of the Cardup Stakeholder Community Group and representatives of the Shire of Serpentine Jarrahdale.
8	A Compliance Assessment Report for the approved Community Consultation Framework must be lodged by 31 March each year, or by such other time as may be agreed by the local government, following the approval of the Community Consultation Framework. The Compliance Assessment Report shall report in summary on:	Compliant	Compliance Assessment Report forms part of this Annual Report.
i	The Community engagement activities carried out during the preceding year		
ii	The stakeholder interaction carried out during the year, including the number and nature of any complaints made and the response to those complaints; and		
iii	The meetings of the Community Consultation Group:		

	Any records kept by the operator pursuant to the Community Consultation Framework, including the minutes of the Community Consultation Group meetings, must be provided to the local government if requested in writing. The annual Compliance Assessment Report and records kept pursuant to the Community Consultation Framework are to be made publicly available.		
9	The landowner shall submit to the Shire an updated Water Management Plan by 31st December 2012. Once approved by the director Engineering, the Water Management Plan is to be implemented in entirety	Compliant	Austral Bricks have submitted the Water Management Plan to the Shire for assessment. The Plan was approved on 2 April 2015.
10	Signs are to be erected at the intersections of the internal haulage roads and Nettleton Road and Kiln Road warning "Caution - Trucks Using Road" during times of cartage.	Compliant	Extraction activities have ceased on the Northern Pit. Signs are erected when delivering material to the Plant and for the Southern operations.
11	The landowner shall implement the approved Traffic Management Plan prepared by McDowall Affleck and received by the Shire on 20 January 2011 to the satisfaction of the Director engineering	Compliant	The recommendations of the Traffic Management Plan have been implemented.
12	Kiln Road being widened as per the plans attached to and forming part of this approval to the satisfaction of the shire. Prior to the completion of widening of Kiln Road, traffic safety controls are to be implemented to the satisfaction of the Director Engineering.	Compliant	Kiln Road has been upgraded.

<p>13</p>	<p>Kiln road to be upgraded to the satisfaction of the Director Engineering. Construction works on kiln road (including earthworks) are not to commence until council has approved detailed engineering plans and specifications of the works, including earthworks, retaining walls, roads and paths, drainage, clearing, landscaping / rehabilitation and soil stabilisation measures, that apply both during and after construction.</p>	<p>Compliant</p>	<p>As above.</p>
<p>14</p>	<p>An 'All hazards Risk Assessment' in accordance with AS/NZ ISO 31000, 3101 and State Planning Policy 3.4 Natural Hazards and Disasters and associated mitigation plans, being prepared, approved and thereafter implemented to the satisfaction of the Director Engineering. The mitigation plans shall include but is not limited to a Fire and Emergency Management Plan, BCA safety requirements and storage and handling of Dangerous Goods.</p>	<p>Compliant</p>	<p>The Fire Management Plan including an all hazards risk assessment in accordance with AS/NZ ISO 31000, 3101 and State Planning Policy 3.4 was developed in consultation with the Shire's chief bush fire control officer, and has been submitted to the Shire for assessment.</p>

15	To prevent any spilled fuel entering the ground the applicant will use bunded hardstand refuelling areas or alternatively an industry best practice method to the requirements of the Director Development Services	Compliant	Austral Bricks Contractors have their own Mines department approved mobile service vehicles which are currently used for refuelling and maintenance of equipment on site. The mobile service facility includes a Wiggins fast fuelling safety system, which includes valves to restrict any leakage or backflow to ensure that any potential spills / leakages are captured and are not directed into the natural ground.
16	No on-site fuel storage and major servicing of equipment shall take place	Compliant	Fuel is not stored on the Extractive Industry site and major servicing of equipment is completed off site.
17	The operator shall ensure that:		
i)	All trucks assessing the site and all mechanical equipment used on-site shall be fitted with or carry a spill kit containing absorbent booms, granules and pads and heavy-duty waste bag, sufficient to clean up the accidental spill of the volume of fuel and other hydrocarbons (for example, hydraulic fluids) from each truck or piece of equipment.	Compliant	Austral Bricks have discussed the location of spill kits with the Shire officers. The requirement to carry a spill kit in all mechanical equipment is not practical, given that the contractor equipment is not owned by Austral Bricks, and is not only used at the Cardup site. Austral Bricks maintain large wheelie bin spill kits in each operating area to ensure that they are readily accessible in the event of a spill. Advice from Shire officers has indicated that this is acceptable.

ii)	Spill kits are replenished immediately following a spill event and contaminated soils removed and appropriately disposed of	Compliant	Spill kits are regularly inspected and maintained to ensure they are appropriately stocked.
iii)	Any fuel or other hydrocarbon leakages or spills shall be cleaned up immediately and in any event within 12 hours of a leak or spill	Compliant	Fuel or hydrocarbon spills are cleaned up immediately.
iv)	The operator of any mechanical equipment used onsite shall, prior to the commencement of extraction activity on the site and throughout the term of this approval, undergo practical instruction and training in the use of the spill kit.	Compliant	Austral Bricks spill response procedure is provided to operators and Spill kit usage is included in operator induction training for Austral Bricks sites.
18	The landowner shall keep a register of the extent, location environmental implications and remedial actions taken for any accidental contamination of soil or water resources in a log book to be kept onsite and available for immediate inspection by the Shire of Serpentine Jarrahdale	Compliant	In accordance with the Mines Safety and Inspection Act, Austral Bricks are required to maintain a DMP incident record book which would include any spills or incidents which have caused contamination. These records are retained by the Quarry Manager W.A. at the Raw Materials office. Austral Bricks also maintains an Incident Register as required under the internal Environmental Management System.
19	The landowner shall ensure that no chemicals or potential liquid contaminants are disposed of on site.	Compliant	No chemicals or liquid contaminants are disposed of on site.
20	An updated Visual and Rehabilitation Management Plan being submitted for approval to the satisfaction of Director Strategic Community Planning within 90 days of the date of this approval. In carrying out the development the approved Visual and Rehabilitation Management Plan must be complied with at all times.	Compliant	An updated Visual and Rehabilitation Management Plan has been submitted to the Shire.

<p>21</p>	<p>The landowner shall control declared and environmental weeds throughout the site to the satisfaction of the Director Strategic Community Planning</p>	<p>Compliant</p>	<p>A weed control program is in place for the site and maintained regularly.</p>
<p>22</p>	<p>Where extractive industry activities, including stockpiling and haulage, are occurring within close proximity (30 metres) to remnant vegetation or rehabilitated areas and there is any risk of damage from these structures or activities, the licensee shall utilise post and wire fencing flagged with brightly coloured survey tape or flags or some other means approved in writing by the Director Strategic Community Planning, to prevent encroachment by machinery.</p>	<p>Compliant</p>	<p>Remnant vegetation is protected with bright orange flagging to prevent encroachment of machinery.</p>
<p>23</p>	<p>The excavation activities are to be restricted to a level no lower than 2 metres above the highest known water table.</p>	<p>Compliant</p>	<p>Austral Bricks have established a groundwater monitoring network which will assist in confirming groundwater levels on site. The depth of excavation programs will be based on the results of this information to ensure that a buffer of 2m is maintained between the base of the excavations and the groundwater level.</p>

24	A Mine Closure plan to be submitted for approval within 12 months of the date of this approval. The mine closure plan shall be prepared in accordance with the Department of Mines and Petroleum and Environmental Protection Authority draft 'Guidelines for preparing Mine Closure Plans' (June 2011) document (as amended). Once approved by the Director Strategic Community Planning, the closure plan shall be implemented in its entirety. Council may agree, following submission of an application in writing, to vary the approved closure plan.	Compliant	The Mine Closure Plan has been submitted to the Shire.
Advice notes:			
1	The Dust Management Plan may contain the following key components not excluding provision of the Department of Environment and Conservations Guide:	Noted	The Dust Management Plan includes the components as required by planning condition 5.
a)	Recognised criteria for 'maximum dust emission levels'		
b)	Trigger levels with relevant mitigation responses as contingencies for when dust criteria are exceeded on individual, multiple and ongoing occasions; and		
c)	An ongoing monitoring program that verifies the effectiveness of operational mitigations and contingencies		
d)	A complaints registration, response and reporting process		

e)	A summary communication strategy that outlines community consultation for significant events and changes in the operation and staging of the quarry.		
2	The Mine closure plan shall:	Noted	The Mine Closure Plan includes the components as required.
i	Be site specific representing the characteristics of the area impacted		
ii	Will document stakeholder consultation and how stakeholder concerns have been addressed		
iii	Show that material and site characterisation has been undertaken to identify potential closure issues		
iv)	Define closure outcomes including final land use(s) and objectives, closure criteria and where applicable, performance indicators and milestones		
v	Identify closure issues - with workable management measures proposed or in place to address those issues		
vi	Show application of experience from other mine sites (where applicable)		
vii	Show that appropriate plans are in place for further research and trials to increase confidence in closure outcomes (where applicable)		
viii	Show that that there are appropriate plans for progressive rehabilitation		
ix	Show that that there are appropriate plans proposed or in place for closure monitoring and maintenance; and		

x	Show that that there are appropriate plans proposed or in place for unplanned closure or temporary closure (on care and maintenance)		
3	A Building licence is to be obtained for the construction or placement of any permanent or temporary structures on site such as a site office.	Noted	
4	Separate approval may need to be obtained from the Department of Water for a bore licence	Noted	N/A
5	The landowner shall ensure that truck operators comply with the conditions of approval and ensure that their operations do not adversely impact on the community by way of truck speeds, control of litter and following designated truck routes.	Noted	Contractor Agreement including Driver's Code of Conduct.
6	The landowner is advised to seek the necessary approvals from the Department of Environment for any clearing of native vegetation on site.	Noted	N/A
7	The updated visual and rehabilitation management plan should incorporate the requirements of visual landscape planning in WA (WAPC November 2007) document and include additional screening along the northern and eastern property boundaries.	Noted	
8	Outside lighting shall be angled to avoid light impacts on neighbouring properties.	Noted	N/A
Extractive Industry Licence Lots 6 Shale Road, Lots 3 & 50 Kiln Road, Byford			
1	The Extractive Industry Licence expires 31 December 2013	Noted	Timeframe was appealed though State Administrative Tribunal and has been revised to 31st December 2022.

2	The licensee is to comply with all provisions of the Serpentine Jarrahdale Extractive Industry Local Law	Noted	
3	The Licensee shall pay an annual extractive Industries licence fee as set by the Shire of Serpentine Jarrahdale	Compliant	Austral Bricks pays Extractive Industry Licensing fees as invoiced by the Shire of Serpentine Jarrahdale.