



Annual Environmental Report

1 July 2019 to 30 June 2020

Cardup Brickworks

Kiln Road, Byford

Contact:

Austral Bricks (WA) Pty Ltd

Jessica French – Environmental & Sustainability Manager

Phone: 08 9261 9918

Email: Jessica.french@brickworks.com.au

Final
Version 1.0
July 2020

Contents

	Page
1. Scope and Purpose.....	3
2. Air monitoring data results	3
3. Surface water monitoring data.....	3
4. Complaints summary.....	4

Appendices:

Appendix 1 – Notification of Care and Maintenance

Appendix 2 – Air Emissions Monitoring Reports

Appendix 3 – Surface Water Monitoring Report

1. Scope and Purpose

The information contained in this document is submitted to the Department of Water and Environmental Regulation in satisfying condition 19 of licence L9025/2017/1 for the period 1 July 2019 to 30 June 2020.

2. Air monitoring data results

The Cardup Brickworks ceased operating on 30th September 2019 and was in care and maintenance for the remainder of the annual period.

There was one air monitoring event undertaken by Ektimo during the annual period of 1 July 2019 to 30 June 2020. The monitoring event was undertaken on 22nd and 23rd August 2019 during standard operations.

All results were below the Emissions Limits as follows:

Location Description	Pollutant ¹	Units	Licence Limit	Detected Values	Detected Values (corrected to 18% O ₂)
Kiln Stack S1	Hydrogen fluoride (HF)	g/s	1	0.26	
	Hydrogen chloride (HCl)	mg/m ³	200	120	84
	Particulate matter (PM)	mg/m ³	50	23	16

Note: Concentrations are reported at STP

The Air Emissions Monitoring Report and data is included in Appendix 1 and provides a summary of the testing results and relevant process, production and operational data during the monitoring event.

No comparison has been made to historical trends and emission limits as Cardup was closed for a period of five years from 2012 to 2017. The plant previously did not operate with pollution abatement technology (cascade scrubber) in place and therefore no interpretation can be made against the results.

3. Surface water monitoring data

The Cardup Brickworks ceased operating on 30th September 2019 and was in care and maintenance for the remainder of the annual period.

Surface water monitoring was undertaken by Coterra during the winter months of May, June, July and August in 2019.

The Water Monitoring Report 2019 is included in Appendix 3 and provides all monitoring data and interpretation of water quality for each monitoring point.

In conclusion, Coterra summarised 'There was minimal discharge from the site in 2019.

- There was only discharge from one location from the site (CAR13) during the sampling period.
- Discharge from CAR13 only occurred in two of the four months (July and August).
- The downstream TSS and turbidity slightly exceeded the upstream concentrations in July, however given the small flow of discharge from CAR13, it was considered that the slightly higher concentration was a result of natural fluctuations in the brook.
- The TSS concentrations were below detection levels and below ANZECC guidelines for turbidity in both the upstream and downstream locations in August.'

4. Complaints summary

The Cardup Brickworks ceased operating on 30th September 2019 and was in care and maintenance for the remainder of the annual period.

Austral Bricks did not receive any complaints during the annual period of 1 July 2019 to 30 June 2020.