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QUARTERLY STACK PARTICULATE REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 30/04/19 – Quarter 1, 2019

EPA Licence 1126: Stack Particulate Management Plan (U-749)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 30 April 2019

Version Number: 1



Report Submitted by: Environmental Engineer

Certified by: Compliance Manager

I certify that to the best of my knowledge and ability all the information in this report is a true and accurate reflection of the regulatory monitoring performed.

Glossary

| Term | Definition |
|--------------------------|--|
| $\mu\text{g}/\text{m}^3$ | micrograms per cubic metre |
| mg/m^3 | milligrams per cubic metre |
| m | metre |
| m^3 | cubic metres |
| m^3/s | cubic metres per second |
| Nm^3 | Gas volume in dry cubic metres at STP dry basis |
| Abbreviations | Definition |
| Air EPP | Environment Protection (Air Quality) Policy 2016 |
| SA EPA | South Australian Environment Protection Authority |
| STP dry basis | Standard Temperature and Pressure (zero degrees Celsius and 101.3 kilo Pascals absolute) |
| TSP | Total Suspended Particulates |
| SPMP | Stack Particulate Management Plan |

| | |
|---|--|
| <p><u>Monitoring Objective</u></p> | <p>All stack particulate emissions events for the reporting quarter, where levels have exceeded the reporting thresholds:</p> <ul style="list-style-type: none"> • 100mg/Nm³ (1 hour averaging period) on Kiln Stack 4A • 60 mg/Nm³ (1 hour averaging period) on Precalciner Stack 4B <p>Particulate Emissions will be reported in a table format providing the following details:</p> <ul style="list-style-type: none"> • date, time and duration • the measured particulate concentration mg/Nm³ (STP-dry) • immediate actions taken to reduce particulate emissions • cause and corrective actions taken to prevent future reoccurrence |
| <p><u>Monitoring Plan</u></p> | <p>This monitoring report has been prepared in compliance with Stack Particulate Management Plan, approved 18 June 2018, by SA EPA.</p> <p>The Plan is available on the ABC Birkenhead Community Website: http://www.birkenheadcommunity.com.au/</p> |

One Hour Stack Particulate Reporting Events

4A Stack
1 hr > 100mg/Nm3
Rolling 1hr average

No one hour exceedences occurred during the quarter

4B Stack
1 hr > 60mg/Nm3
Rolling 1hr average

No one hour exceedences occurred during the quarter