

Quarterly PM10 Ambient Air Monitoring Summary Report

Alcoa of Australia Limited

Wagerup Alumina Refinery

Licence L6217/1983/15

Quarter 3 2026

TITLE	: Wagerup Alumina Refinery Quarterly PM10 Ambient Air Monitoring Summary Report
DATE	: Quarter 3 2026
APPLIES TO	: Wagerup Alumina Refinery Environmental Department
KEY WORDS	: Department of Water and Environmental Regulation
ABSTRACT	: This Quarterly PM10 Ambient Air Monitoring Summary Report of the Alcoa of Australia Limited's Wagerup Alumina Refinery summarises the Quarterly Ambient Air Monitoring Data for the reporting period. This publication meets the reporting requirements of the site <i>Environmental Protection Act 1986</i> Part V Licence L6217/1983/15 Condition 40 and 41, held by Alcoa of Australia Limited (Alcoa), and administered by the Department of Water and Environmental Regulation.

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Summary

This report presents ambient PM10 monitoring data for Alcoa of Australia Limited's Wagerup Alumina Refinery for the period 1 July 2026 to 30 September 2026. It has been prepared to meet the requirements of Conditions 40 and 41 of Environmental Protection Act 1986 Part V Licence L6217/1983/15, administered by the Department of Water and Environmental Regulation (DWER).

The refinery operated under Licence L6217/1983/15 throughout the reporting period. This report is published in accordance with licence requirements and is available on the Alcoa Australia Reports and Publications website: <https://www.alcoa.com/australia/en/sustainability/reports-publications>

A copy of the licence is available on the DWER website. Figure 1 shows the refinery premises and monitoring locations.

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Ambient PM10 Monitoring

Licence L6217/1983/15 requires operation of a PM10 monitoring network to measure particulate matter associated with the Residue Storage Areas (RSA) and Bauxite Stockpile Area (BSA). The network comprises Beta Attenuation Monitors (BAMs) operated in accordance with AS 3580.9.11.

PM10 refers to particulate matter with an aerodynamic diameter of 10 micrometres (μm) or less and is reported as a concentration in air micrograms per metre cubed ($\mu\text{g}/\text{m}^3$).

Monitoring was undertaken in accordance with relevant Australian Standards at all required BAM locations (BAM-NW, BAM-NE, BAM-W, BAM-S, BAM-E, BAM-SW, BAM-N and BAM-Bauxite) shown in Figure 1. During September, there were planned and unplanned maintenance events at BAM S and SW as well as a power outage that impacted data availability. Results are presented as daily average ambient PM10 concentrations and have not been corrected for background levels.

Condition 21 requires ambient air quality monitoring at specified locations using the parameters, methods, frequencies and averaging periods prescribed in Table 11 of the licence. Conditions 40 and 41 require quarterly publication of PM10 monitoring data within 30 days of the end of each quarter, including graphical presentation of daily average PM10 concentrations (Figure 2).

The current monitoring program meets these requirements through the use of compliant equipment and approved monitoring methods, supported by transparent public reporting of ambient PM10 monitoring results.

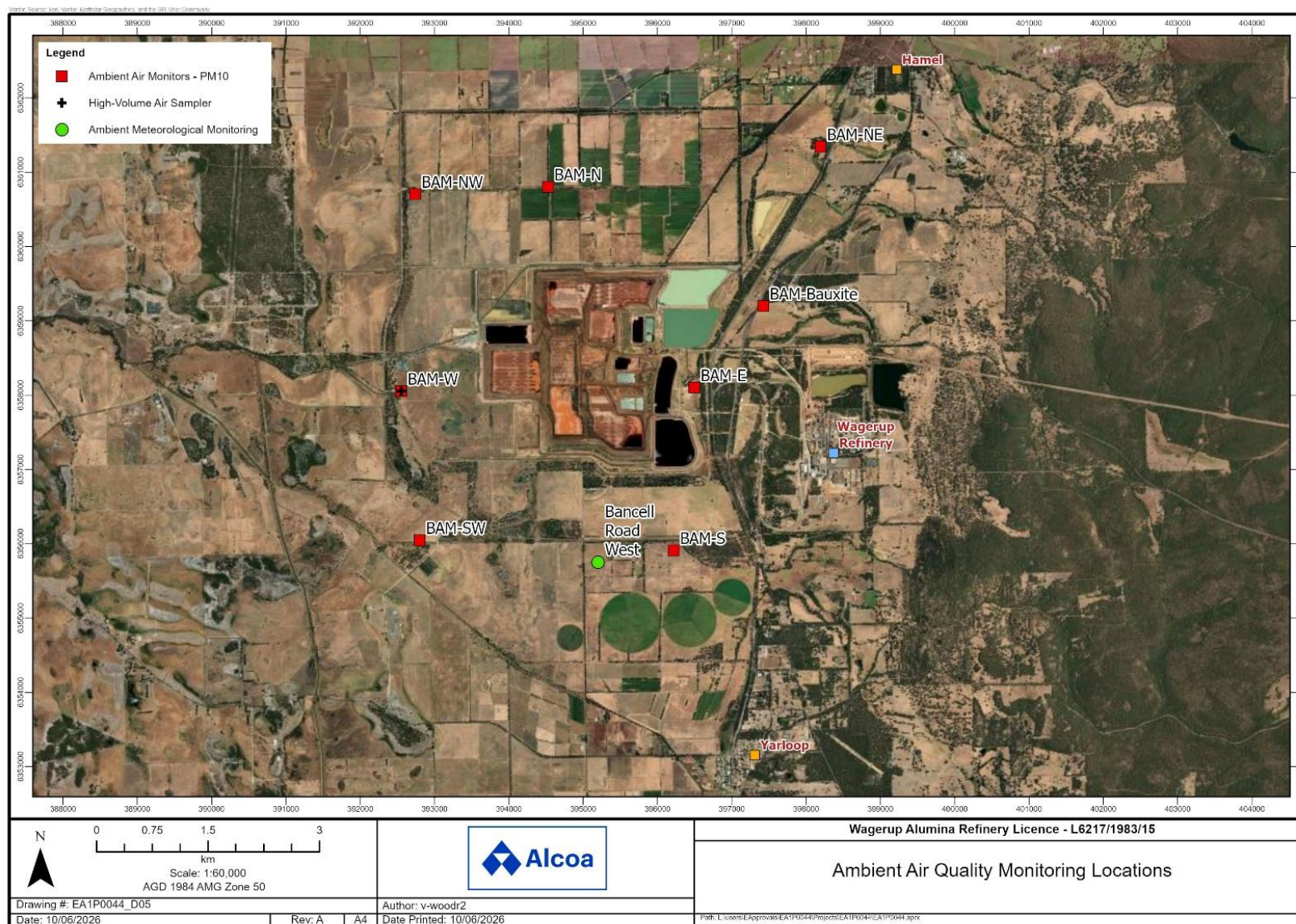


Figure 1 Wagerup licenced PM10 ambient dust monitoring network.

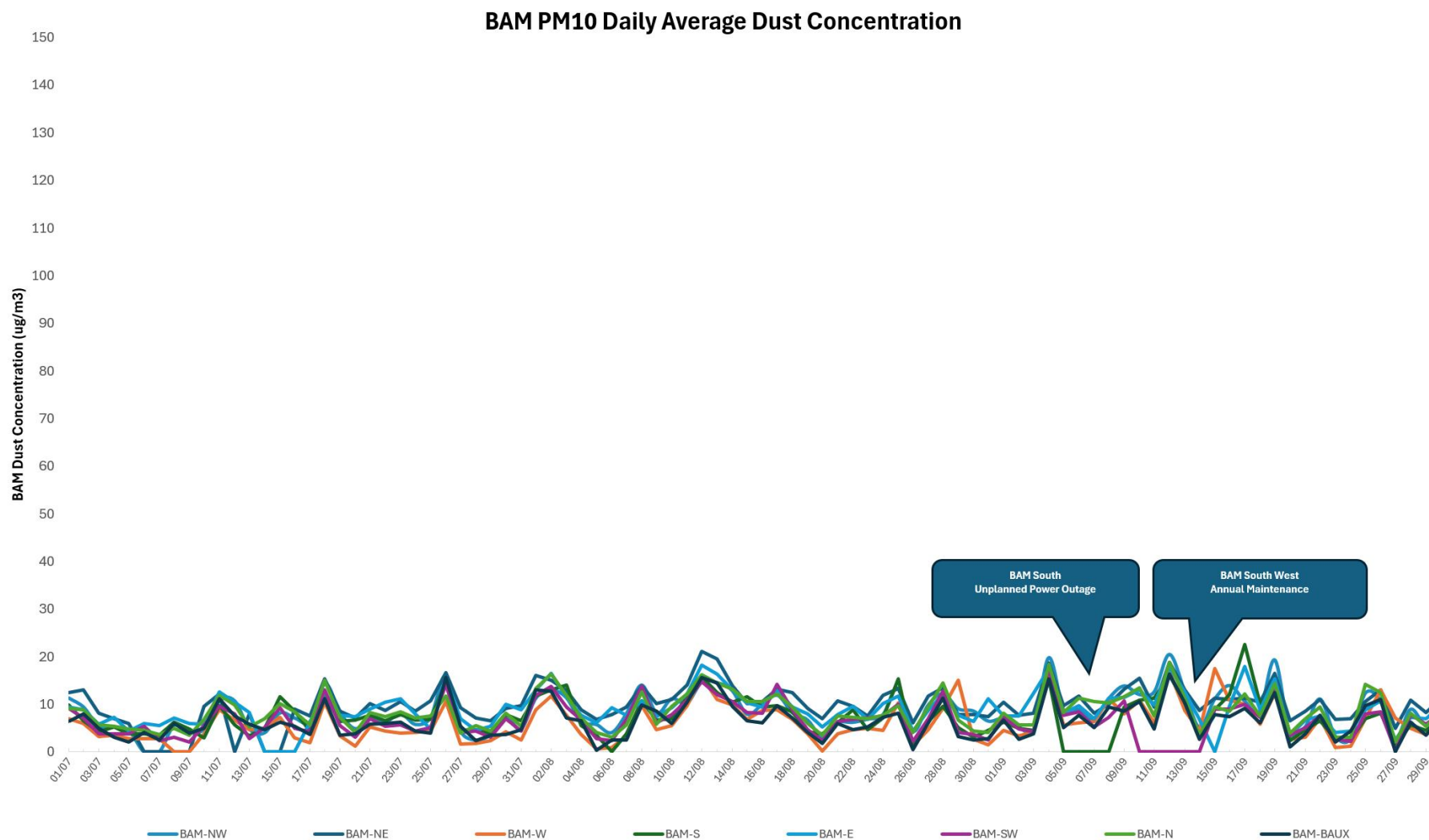


Figure 2: PM10 Daily Dust Average Concentrations