



Adelaide Brighton Cement Ltd

an **ADBRI** company

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QUARTERLY AIR PARTICULATE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 31/12/24 – Quarter 4, 2024
EPA Licence 1126: Air Particulate Management Plan (U - 1549)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 31 January 2025

Version Number: 1



Report Submitted by: Business Partner - Environment

Glossary

Term	Definition
$\mu\text{g}/\text{m}^3$	micrograms per cubic metre
μm	micrometre
$^{\circ}\text{C}$	degrees Celsius
m	metre
m^3	cubic metre
m^3/s	cubic metres per second

Nomenclature

Definition	
Particulate matter with a diameter less than 10 micrometres	PM ₁₀
Particulate matter with a diameter less than 2.5 micrometres	PM _{2.5}
Total Suspended Particulate	TSP
Calendar day (midnight to midnight)	24 hour average

Abbreviations

Definition	
Adelaide Brighton Cement	ABC
South Australian Environment Protection (Air Quality) Policy 2016	Air EPP
Dust Management Plan	DMP
Environment Protection Authority	EPA
Trigger Action Response Plan	TARP

Purpose	The purpose of the Air Particulate Management Plan (APMP) is to facilitate the ongoing implementation of dust control measures to minimise offsite dust from the Facility.
Background Information	<p>The APMP contains a Trigger Action Response Plan (TARP) to proactively manage fugitive dust emissions.</p> <p>The TARP uses three levels of trigger:</p> <ul style="list-style-type: none"> • Low (watch and wait) – early warning to increase awareness of potential dust issues • Medium (investigate) – there may be a potential dust issue and investigate • High (escalate) – dust concentrations are higher than normal, and action may be required <p>Triggers and responses have been defined for:</p> <ul style="list-style-type: none"> • Ambient dust monitoring from on-site monitors • Meteorological parameters (forecasts and observations (e.g. extended dry period with less than 1 mm of rain over 20 days)) • Visual observations <p>Trigger levels and responses are documented in the Air Particulate Management Plan</p> <p>All triggers and associated responses and actions are captured in the Dust Management Dashboard and Control System, for reporting and analysis.</p> <p>The APMP is available on the ABC Birkenhead Community Website: https://adelaidebrightoncommunity.com.au/</p>
Reporting Objective	<p>To report on actions taken in response to triggers defined in the Trigger Action Response Plan (TARP), contained within the approved Air Particulate Management Plan (APMP), including;</p> <ul style="list-style-type: none"> • the date, time and trigger value exceeded • action and response strategies implemented <p>To provide a summary report of 24-hour exceedances of PM₁₀ and PM_{2.5} Air (EPP) criteria on ambient particulate monitors in the community.</p>

Particulate Monitoring Locations



Map showing sampling locations, major infrastructure, sensitive environmental receptors, and north arrow
Monitoring locations are indicated by colour-coded dots on the above map.

	<p>NB: Four sampling points are located on the Birkenhead Works site; the other monitoring locations are in the community (Community Park), and Corner of Walton Street and Mary Street.</p> <p>The property (not owned by ABC), on which the Gunn Street Monitor was located, was sold for redevelopment and was no longer available for use. As a consequence the monitor was removed on 28 June 2022. After a period of negotiating with the EPA and discussion with City of Port Adelaide Enfield Council, Adbri initiated the application process for installation of a permanent air quality monitor in the preferred location, the NW corner of Naval Reserve in November 2023. The application was ultimately not approved in June 2024 and Adbri will continue to work respectfully with both parties to reinstate a long term solution. In the mean time a trailer mounted air quality monitoir has been set up on the corner of Walton Street and Mary Street, Peterhead, until a long-term monitoring station can be established.</p>
TARP Reports	<p>Appendix 1, contains monthly TARP reports detailing the following;</p> <ul style="list-style-type: none"> • date, time and trigger value exceeded • details of the response and action strategies implemented.
Summary	<p>Summary of TARP alerts and actions for the quarter (refer to appendix 1):</p> <ul style="list-style-type: none"> • A total of 141 trigger alerts were rased for the quarter • A total of 358 actions in response to the alerts were implemented for the quarter • An average of 2 to 3 actions per trigger
Exceedance Reports	<p>There were no 24-hour exceedances of the PM₁₀ and PM_{2.5} Air (EPP) criteria on the ambient particulate monitor in the Community during this reporting period.</p>

Air Particulate Complaints

Air particulate related complaints for the reporting period are tabled below

Date / Time of occurrence	Location	Description	Action Taken
01/10/2024 14:00	Birkenhead	EPA informed had received video of emissions from 4B stack	Investigated and advised EPA - Normal plant operations
03/10/2024 14:00	Birkenhead	Dust on Car	Sample taken for analysis – not cementitious - car wash provided
08/10/2024 16:20	Birkenhead	Dust on Car	Sample taken for analysis- cementitious - car wash provided
09/10/2024 16:58	Birkenhead	Dust on Car	Sample taken for analysis- cementitious - car wash provided
15/10/2024 10:08	Largs North	Reported Green dust flakes on car - about 1 cm in diam. and health concerns	Provided details on EPA website about dust/health
15/10/2024 10:34	Birkenhead	Dust on Car	Sample taken for analysis – not cementitious
15/10/2024 15:31	Largs Bay	Dust on Car	Sample taken for analysis – not cementitious
07/11/2024 12:23	Peterhead	Dust on Car	Sample taken for analysis – not cementitious _ car wash voucher provided
12/11/2024 8:59	Birkenhead	Dust emissions from 4A stack	Investigated - Normal plant operations
14/11/2024 12:31	Birkenhead	Dust on Car	Sample taken for analysis – not cementitious

Difficult to provide wind speed and direction data as specific time and date of occurrence was not available.

May dust event

In May 2024, there was scheduled maintenance on the clinker shed located near Victoria Road, Birkenhead. During maintenance work the potential for gaps to remain under the eaves of the clinker shed was not adequately identified. This resulted in dust emissions that impacted Adbri's neighbours.

This resulted in complaints related to dust impacts to property including vehicles, solar panels, as well as concerns related to health impacts.

Adbri took immediate action to identify and fix the source of the dust leakage and has been working with the community ever since to rectify any associated damage or dust impact on property.

Since the event, Adbri has:

- appointed an expert to assess potential claims. This person has since contacted all registered people, with the majority of solar panels claims assessed and cleaning underway. All car cleaning requests have been actioned
- posted regular updates on its community website to keep residents informed, as well as held two community liaison group meetings to update the community and provide opportunities for Adbri, SA EPA and SA Health to answer questions
- provided an in-person update to the local council
- installed additional CCTV cameras to those already onsite to provide even more early monitoring capability of potential emissions
- amended processes and training to more clearly identify and address environmental risks when undertaking works programmes, and
- identified dust mitigation projects that it proposes will form part of the site's Environment Improvement Programme.

Adbri held a Community Liaison Group meeting on the 3 June about the dust event

- Adbri thanks everyone who attended the June Birkenhead Community Liaison Group meeting.
- This meeting provided an opportunity for Adbri to listen to community feedback.

Adbri held a Community Liaison Group meeting on the 12 July in response to community concerns about health impacts

- Adbri also extends our appreciation to the EPA for arranging for SA Health representatives to attend and present at the meeting.
- The representatives addressed health questions raised by the community about the May dust event.

Adbri apologises to the community and is committed to doing better in the future.

	<p>Since the May dust event Adbri has continued to call for and listen to community sentiment and developed focus areas and methodology directly related to recent concerns raised by the community.</p> <p>Based on the feedback, Adbri has developed an Environment Improvement Programme (EIP), that included transparent consultation with the community in its development. The EIP projects are grouped into themes about communication, dust management and monitoring, noise, odour and amenity.</p> <p>The EIP has been approved by the SA EPA on is available on our birkenhead community website https://adelaidebrightoncommunity.com.au/sustainability/environmental-improvement-plan/</p>
Appendix 1	TARP reports for October, November and December

Trigger Action Response Plan - Response Summary

The tables below show the triggers that were generated as part of the Adelaide Brighton Cement Trigger Action Response Plan (TARP) between 01 October, 2024 and 01 November, 2024 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
High Trigger 02/10/24, 21:00 to 02/10/24, 22:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 20:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 21:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 22:38
Low Trigger 14/10/24, 17:00 to 14/10/24, 17:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/10/24, 17:21
Low Trigger 15/10/24, 05:00 to 15/10/24, 05:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/10/24, 05:33
Low Trigger 27/10/24, 10:00 to 28/10/24, 01:48	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/10/24, 01:48
	Other	No action required - conditions already addressed	28/10/24, 01:48
Medium Trigger 29/10/24, 10:00 to 29/10/24, 12:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/10/24, 10:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	29/10/24, 10:56
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	29/10/24, 10:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/10/24, 12:37
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	29/10/24, 12:37
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	29/10/24, 12:37
Low Trigger 30/10/24, 08:00 to 30/10/24, 08:42	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/10/24, 08:42

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 02/10/24, 20:00 to 02/10/24, 21:31	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 20:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 21:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 20:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 21:30
Low Trigger 10/10/24, 13:00 to 10/10/24, 14:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/10/24, 14:46
Low Trigger 10/10/24, 16:00 to 10/10/24, 16:30	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/10/24, 16:29
Low Trigger 15/10/24, 06:00 to 15/10/24, 06:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/10/24, 06:23
Low Trigger 23/10/24, 00:00 to 23/10/24, 02:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 02:24
Low Trigger 23/10/24, 07:00 to 23/10/24, 08:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 08:36
Low Trigger 23/10/24, 11:00 to 23/10/24, 11:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 11:22
Low Trigger 23/10/24, 16:00 to 23/10/24, 17:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 16:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 17:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 16:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 17:27
Low Trigger 30/10/24, 08:00 to 30/10/24, 08:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/10/24, 08:43

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 02/10/24, 21:00 to 12/10/24, 00:29	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 21:31
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	12/10/24, 00:29

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
High Trigger 02/10/24, 21:00 to 02/10/24, 21:31	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 20:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/10/24, 21:31
Medium Trigger 03/10/24, 08:00 to 03/10/24, 08:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/10/24, 08:32
Low Trigger 03/10/24, 10:00 to 03/10/24, 10:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/10/24, 10:45
Low Trigger 09/10/24, 20:00 to 09/10/24, 20:55	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/10/24, 20:55
Low Trigger 10/10/24, 09:00 to 10/10/24, 14:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/10/24, 14:45
Low Trigger 14/10/24, 07:00 to 14/10/24, 07:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/10/24, 07:43
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/10/24, 18:15
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	14/10/24, 18:15
Medium Trigger 14/10/24, 18:00 to 14/10/24, 18:15	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	14/10/24, 18:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/10/24, 16:44
Low Trigger 23/10/24, 16:00 to 23/10/24, 16:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/10/24, 01:48
Low Trigger 28/10/24, 01:00 to 28/10/24, 01:48	Other	No action required - conditions already addressed	28/10/24, 01:48
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/10/24, 17:42
Low Trigger 28/10/24, 17:00 to 29/10/24, 03:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/10/24, 03:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/10/24, 17:42
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/10/24, 03:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/10/24, 03:21

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 02/10/24, 21:00 to 03/10/24, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	02/10/24, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	02/10/24, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	02/10/24, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/10/24, 18:20
Low Trigger 03/10/24, 00:00 to 03/10/24, 03:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	03/10/24, 05:25
	Assess potential for shifting operations to more favourable conditions	No current activities	02/10/24, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	02/10/24, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	02/10/24, 18:20
Low Trigger 03/10/24, 03:00 to 03/10/24, 06:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/10/24, 18:20
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	03/10/24, 05:25
	Assess potential for shifting operations to more favourable conditions	No current activities	02/10/24, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	02/10/24, 18:20
Medium Trigger 03/10/24, 06:00 to 03/10/24, 09:00	Pre-emptive watering of stockpiles before handling	Watering not required	02/10/24, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/10/24, 18:20
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	03/10/24, 05:25
	Assess potential for shifting operations to more favourable conditions	No current activities	02/10/24, 18:20
High Trigger 03/10/24, 09:00 to 03/10/24, 12:00	Ensure water truck is on standby to apply water	Water truck is on standby	02/10/24, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	02/10/24, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/10/24, 18:20
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	03/10/24, 05:25
Low Trigger 09/10/24, 21:00 to 10/10/24, 00:00	Other	No action required - conditions already addressed	09/10/24, 18:36
Low Trigger 10/10/24, 06:00 to 10/10/24, 09:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	10/10/24, 06:19
Low Trigger 10/10/24, 18:00 to 10/10/24, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/10/24, 18:22
	Ensure water truck is on standby to apply water	Water truck is on standby	10/10/24, 18:22
	Pre-emptive watering of stockpiles before handling	Watering not required	10/10/24, 18:22
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/10/24, 18:22
Low Trigger 13/10/24, 00:00 to 13/10/24, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	12/10/24, 19:58
	Ensure water truck is on standby to apply water	Water truck is operational	12/10/24, 19:58
	Pre-emptive watering of stockpiles before handling	Watering not required	12/10/24, 19:58
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	12/10/24, 19:58
Low Trigger 14/10/24, 18:00 to 14/10/24, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Low Trigger 14/10/24, 21:00 to 15/10/24, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Low Trigger 15/10/24, 00:00 to 15/10/24, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16

Low Trigger 15/10/24, 03:00 to 15/10/24, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Medium Trigger 15/10/24, 06:00 to 15/10/24, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Medium Trigger 15/10/24, 09:00 to 15/10/24, 12:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Low Trigger 15/10/24, 12:00 to 15/10/24, 15:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/10/24, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	14/10/24, 18:16
	Pre-emptive watering of stockpiles before handling	Watering completed	14/10/24, 18:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	14/10/24, 18:16
Low Trigger 17/10/24, 00:00 to 17/10/24, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	16/10/24, 18:40
	Ensure water truck is on standby to apply water	Water truck is on standby	16/10/24, 18:40
	Pre-emptive watering of stockpiles before handling	Watering completed	16/10/24, 18:40
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	16/10/24, 18:40
Medium Trigger 17/10/24, 21:00 to 18/10/24, 00:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	17/10/24, 19:34
Low Trigger 26/10/24, 06:00 to 26/10/24, 09:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	26/10/24, 06:33
Low Trigger 31/10/24, 18:00 to 31/10/24, 21:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	31/10/24, 18:21

Visual Observations

No triggers during this period

Trigger Action Response Plan - Response Summary

The tables below show the triggers that were generated as part of the Adelaide Brighton Cement Trigger Action Response Plan (TARP) between 01 November, 2024 and 01 December, 2024 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 03/11/24, 08:00 to 03/11/24, 09:55	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/11/24, 09:55
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	03/11/24, 09:55
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	03/11/24, 09:55
Low Trigger 04/11/24, 01:00 to 04/11/24, 05:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/24, 05:37
Low Trigger 05/11/24, 08:00 to 05/11/24, 20:10	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	05/11/24, 20:10
Medium Trigger 15/11/24, 23:00 to 16/11/24, 01:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/11/24, 22:49
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	15/11/24, 23:28
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	16/11/24, 01:45
Low Trigger 16/11/24, 04:00 to 16/11/24, 18:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/24, 18:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/24, 18:44
Low Trigger 19/11/24, 06:00 to 19/11/24, 10:03	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/11/24, 06:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/11/24, 10:03
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/11/24, 06:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/11/24, 10:03
Low Trigger 21/11/24, 11:00 to 21/11/24, 15:26	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/11/24, 15:26
Low Trigger 21/11/24, 23:00 to 22/11/24, 03:06	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	22/11/24, 03:05
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/11/24, 01:28

Low Trigger 22/11/24, 21:00 to 23/11/24, 01:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/11/24, 01:28
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DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 03/11/24, 11:00 to 03/11/24, 18:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/11/24, 18:25
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	03/11/24, 18:25
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	03/11/24, 18:25
Medium Trigger 04/11/24, 00:00 to 04/11/24, 05:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/24, 05:38
Medium Trigger 05/11/24, 08:00 to 05/11/24, 20:11	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	05/11/24, 20:10
Medium Trigger 13/11/24, 20:00 to 13/11/24, 22:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/11/24, 21:44
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	13/11/24, 21:44
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	13/11/24, 21:44
Low Trigger 16/11/24, 10:00 to 16/11/24, 18:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/24, 18:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/24, 18:44
Medium Trigger 18/11/24, 08:00 to 18/11/24, 16:54	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/11/24, 16:53
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	18/11/24, 16:53
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	18/11/24, 16:53
Medium Trigger 18/11/24, 16:00 to 18/11/24, 16:54	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/11/24, 16:54
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	18/11/24, 16:54
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	18/11/24, 16:54
Low Trigger 25/11/24, 19:00 to 25/11/24, 19:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/11/24, 19:38

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 19/11/24, 16:00 to 19/11/24, 17:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/11/24, 17:43
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	19/11/24, 17:43
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - sources identified	19/11/24, 17:43
High Trigger 29/11/24, 12:00 to 29/11/24, 12:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/11/24, 12:31
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	29/11/24, 12:31
Medium Trigger 30/11/24, 14:00 to 01/12/24, 07:02	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/12/24, 07:02
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/12/24, 07:02
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	01/12/24, 07:02

DT5 Northern Grounds

No triggers during this period

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 02/11/24, 06:00 to 02/11/24, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	02/11/24, 06:24
	Ensure water truck is on standby to apply water	Water truck is on standby	02/11/24, 06:24
	Pre-emptive watering of stockpiles before handling	Watering completed	02/11/24, 06:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/11/24, 06:24
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	02/11/24, 06:24
Low Trigger 02/11/24, 09:00 to 02/11/24, 12:00	Ensure water truck is on standby to apply water	Water truck is on standby	02/11/24, 06:24
	Pre-emptive watering of stockpiles before handling	Watering completed	02/11/24, 06:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/11/24, 06:24
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	02/11/24, 19:42
High Trigger 05/11/24, 18:00 to 05/11/24, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	05/11/24, 19:38
	Ensure water truck is on standby to apply water	Water truck is on standby	05/11/24, 19:38
	Pre-emptive watering of stockpiles before handling	Watering not required	05/11/24, 19:38
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	05/11/24, 19:38
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	05/11/24, 19:38
	Additional watering if warranted	Additional watering not required	05/11/24, 19:38
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	05/11/24, 19:38
High Trigger 05/11/24, 21:00 to 06/11/24, 00:00	Ensure water truck is on standby to apply water	Water truck is on standby	05/11/24, 19:38
	Pre-emptive watering of stockpiles before handling	Watering not required	05/11/24, 19:38
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	05/11/24, 19:38
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	05/11/24, 19:38
	Additional watering if warranted	Additional watering not required	05/11/24, 19:38
Low Trigger 16/11/24, 03:00 to 16/11/24, 06:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	15/11/24, 18:33
Low Trigger 28/11/24, 15:00 to 28/11/24, 18:00	Ensure water truck is on standby to apply water	Water truck is on standby	15/11/24, 18:33
	Assess potential for shifting operations to more favourable conditions	No current activities	29/11/24, 12:31

Visual Observations

No triggers during this period

Trigger Action Response Plan - Response Summary

The tables below show the triggers that were generated as part of the Adelaide Brighton Cement Trigger Action Response Plan (TARP) between 01 December, 2024 and 01 January, 2025 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 05/12/24, 21:00 to 05/12/24, 21:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	05/12/24, 21:22
Low Trigger 19/12/24, 05:00 to 19/12/24, 06:49	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/24, 06:49
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 10:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 13:45
	Other	No action required - conditions already addressed	20/12/24, 13:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 15:33
	Other	No action required - conditions already addressed	20/12/24, 15:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 10:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 13:45
	Other	No action required - conditions already addressed	20/12/24, 13:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 15:33
	Other	No action required - conditions already addressed	20/12/24, 15:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 10:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 13:45
	Other	No action required - conditions already addressed	20/12/24, 13:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 15:33
Low Trigger 20/12/24, 10:00 to 20/12/24, 15:34	Other	No action required - conditions already addressed	20/12/24, 15:33

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 06/12/24, 02:00 to 06/12/24, 02:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/24, 02:33
Low Trigger 07/12/24, 14:00 to 08/12/24, 07:36	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/24, 07:36
Low Trigger 09/12/24, 14:00 to 09/12/24, 14:31	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/12/24, 14:31
Low Trigger 09/12/24, 21:00 to 10/12/24, 06:55	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/12/24, 06:55
Low Trigger 15/12/24, 01:00 to 15/12/24, 06:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/12/24, 06:46
Low Trigger 15/12/24, 06:00 to 15/12/24, 06:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/12/24, 06:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 11:03
	Other	No action required - conditions already addressed	16/12/24, 11:03
Low Trigger 16/12/24, 10:00 to 16/12/24, 11:17	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 11:03
	Other	No action required - conditions already addressed	16/12/24, 11:03
Low Trigger 16/12/24, 13:00 to 16/12/24, 13:42	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 13:42
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 18:17
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/12/24, 01:40
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 18:17
Medium Trigger 16/12/24, 18:00 to 17/12/24, 01:40	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/12/24, 01:40
Medium Trigger 17/12/24, 10:00 to 17/12/24, 11:29	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/12/24, 11:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/12/24, 14:21
Medium Trigger 17/12/24, 14:00 to 17/12/24, 15:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Other (provide comments)	17/12/24, 15:37
Low Trigger 17/12/24, 20:00 to 18/12/24, 00:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/12/24, 00:33
Low Trigger 17/12/24, 22:00 to 18/12/24, 00:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/12/24, 00:32
Medium Trigger 18/12/24, 01:00 to 18/12/24, 06:17	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/12/24, 06:17
Low Trigger 19/12/24, 17:00 to 19/12/24, 17:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/24, 17:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 05:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 06:24
Low Trigger 20/12/24, 05:00 to 20/12/24, 07:23	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 07:23

	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 10:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/24, 10:22
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	20/12/24, 10:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 13:45
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/24, 13:45
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	20/12/24, 13:45
	Other	No action required - conditions already addressed	20/12/24, 13:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 15:34
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/24, 15:34
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - sources identified	20/12/24, 15:34
	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	No current activities	20/12/24, 15:34
	If dust mitigation equipment is unavailable or at fault, investigate temporary alternative management practices	Implemented temporary mitigation options	20/12/24, 15:34
	Mobilise water cart or apply additional water sprays	Mobilised water cart	20/12/24, 15:34
High Trigger 20/12/24, 14:00 to 20/12/24, 18:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 18:00
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 18:28
Low Trigger 23/12/24, 17:00 to 23/12/24, 18:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/24, 18:22
Low Trigger 27/12/24, 20:00 to 28/12/24, 21:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/24, 18:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/24, 21:24

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 30/11/24, 14:00 to 01/12/24, 07:02	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/12/24, 07:02
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/12/24, 07:02
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	01/12/24, 07:02
Medium Trigger 06/12/24, 02:00 to 06/12/24, 02:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/24, 02:33
Low Trigger 10/12/24, 15:00 to 10/12/24, 16:40	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/12/24, 15:36
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/12/24, 16:40
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/12/24, 15:36
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/12/24, 16:40
Low Trigger 16/12/24, 13:00 to 16/12/24, 13:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 13:43
Medium Trigger 16/12/24, 18:00 to 17/12/24, 01:40	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 18:17
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 18:17
Low Trigger 17/12/24, 18:00 to 18/12/24, 00:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	18/12/24, 00:33
Low Trigger 19/12/24, 16:00 to 19/12/24, 16:36	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/24, 16:36
Medium Trigger 20/12/24, 14:00 to 20/12/24, 18:01	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 13:46
	Other	No action required - conditions already addressed	20/12/24, 13:46
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 15:35
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/24, 15:35
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - sources identified	20/12/24, 15:35
	Other	No action required - conditions already addressed	20/12/24, 15:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/24, 18:01
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/24, 18:01
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - sources identified	20/12/24, 18:01
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/12/24, 19:19
Low Trigger 21/12/24, 14:00 to 21/12/24, 19:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/12/24, 19:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/12/24, 19:19
Low Trigger 23/12/24, 14:00 to 23/12/24, 18:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/24, 18:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/24, 18:22
Low Trigger 23/12/24, 14:00 to 23/12/24, 18:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/12/24, 16:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/12/24, 16:22

High Trigger 26/12/24, 16:00 to 26/12/24, 16:22	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/12/24, 16:22
Medium Trigger 26/12/24, 21:00 to 26/12/24, 21:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/12/24, 21:20

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 05/12/24, 21:00 to 05/12/24, 21:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	05/12/24, 21:21
Low Trigger 06/12/24, 00:00 to 06/12/24, 00:51	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/24, 00:50
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/12/24, 23:55
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	15/12/24, 23:55
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	15/12/24, 23:55
	Other	No action required - regional dust event	15/12/24, 23:55
Medium Trigger 15/12/24, 23:00 to 16/12/24, 00:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/24, 00:43
	Other	No action required - regional dust event	16/12/24, 00:43
Medium Trigger 26/12/24, 00:00 to 26/12/24, 01:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/12/24, 01:47

Meteorology - Observations

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 24/12/24, 01:00 to 27/12/24, 01:28	Assess potential for shifting operations to more favourable conditions	No current activities	24/12/24, 03:17
	Ensure water truck is on standby to apply water	Water truck is on standby	24/12/24, 03:17
	Pre-emptive watering of stockpiles before handling	Watering completed	24/12/24, 03:17
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	24/12/24, 03:17
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	24/12/24, 03:17
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/12/24, 07:37
	Ensure water truck is on standby to apply water	Water truck is unavailable	25/12/24, 07:37
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	26/12/24, 01:47
	Assess potential for shifting operations to more favourable conditions	No current activities	24/12/24, 03:17
	Ensure water truck is on standby to apply water	Water truck is on standby	24/12/24, 03:17
Medium Trigger 25/12/24, 01:00 to 27/12/24, 01:28	Pre-emptive watering of stockpiles before handling	Watering completed	24/12/24, 03:17
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	24/12/24, 03:17
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	24/12/24, 03:17
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/12/24, 07:37
	Ensure water truck is on standby to apply water	Water truck is unavailable	25/12/24, 07:37
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	26/12/24, 01:47
	Assess potential for shifting operations to more favourable conditions	No current activities	24/12/24, 03:17
	Ensure water truck is on standby to apply water	Water truck is on standby	24/12/24, 03:17
	Pre-emptive watering of stockpiles before handling	Watering completed	24/12/24, 03:17
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	24/12/24, 03:17
Medium Trigger 26/12/24, 01:00 to 27/12/24, 01:28	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	24/12/24, 03:17
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/12/24, 07:37
	Ensure water truck is on standby to apply water	Water truck is unavailable	25/12/24, 07:37
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	26/12/24, 01:47
	Assess potential for shifting operations to more favourable conditions	No current activities	24/12/24, 03:17
	Ensure water truck is on standby to apply water	Water truck is on standby	24/12/24, 03:17
	Pre-emptive watering of stockpiles before handling	Watering completed	24/12/24, 03:17
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	24/12/24, 03:17
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	24/12/24, 03:17
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/12/24, 07:37
Medium Trigger 27/12/24, 01:00 to 27/12/24, 01:28	Ensure water truck is on standby to apply water	Water truck is unavailable	25/12/24, 07:37
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	26/12/24, 01:47

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 10/12/24, 18:00 to 10/12/24, 21:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/12/24, 18:23
Low Trigger 15/12/24, 09:00 to 15/12/24, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	15/12/24, 06:45
Low Trigger 15/12/24, 18:00 to 15/12/24, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	15/12/24, 23:50
	Ensure water truck is on standby to apply water	Water truck is operational	15/12/24, 23:50
	Pre-emptive watering of stockpiles before handling	Watering not required	15/12/24, 23:50
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	15/12/24, 23:50
	Other	No action required - regional dust event	15/12/24, 23:50
Low Trigger 15/12/24, 21:00 to 16/12/24, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	15/12/24, 23:50
	Ensure water truck is on standby to apply water	Water truck is operational	15/12/24, 23:50
	Pre-emptive watering of stockpiles before handling	Watering not required	15/12/24, 23:50
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	15/12/24, 23:50
Low Trigger 20/12/24, 18:00 to 20/12/24, 21:00	Assess potential for shifting operations to more favourable conditions	No action required - regional dust event	15/12/24, 23:50
Low Trigger 20/12/24, 18:00 to 20/12/24, 21:00	Assess potential for shifting operations to more favourable conditions	No current activities	20/12/24, 18:28
Low Trigger 20/12/24, 21:00 to 21/12/24, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	20/12/24, 18:28
Low Trigger 21/12/24, 18:00 to 21/12/24, 21:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	21/12/24, 19:19
Low Trigger 22/12/24, 21:00 to 23/12/24, 00:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	23/12/24, 18:22
Low Trigger 26/12/24, 00:00 to 26/12/24, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/12/24, 18:17
	Ensure water truck is on standby to apply water	Water truck is on standby	25/12/24, 18:17

Visual Observations

No triggers during this period