



Adelaide Brighton Cement Ltd

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QUARTERLY DUST MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 31/10/22 – Quarter 3, 2022 **EPA Licence 1126: Dust Management Plan (U-755)**

Licensed site: Adelaide Brighton Cement, Birkenhead Works
62 Elder Road, Birkenhead, SA 5015

Date of Submission: 31 October 2022

Version Number: 1



Report Submitted by: Advisor Environment - C&L (SA/NSW/NT)

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

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

Purpose	The purpose of the Dust Management Plan (DMP) is to facilitate the ongoing implementation of dust control measures to minimise offsite dust from the Facility.
Background Information	<p>The DMP 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 DMP.</p> <p>All triggers, associated responses and actions are captured in the Dust Management Dashboard and Control System, for reporting and analysis.</p> <p>The Plan 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 Dust Management Plan (DMP), 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
Monitor
Locations**



Map showing sampling locations, major infrastructure, sensitive environmental receptors, and north arrow

Sampling locations are indicated by colour-coded dots on the above map.

NB: Four sampling points are located on the Birkenhead Works site; the other sampling points are in the community (corner of Gunn/ Well streets and Community Park).

TARP Reports

Appendix 1, contains monthly TARP reports detailing the following;

- date, time and trigger value exceeded
- details of the response and action strategies implemented

Exceedance Reports	There were no 24-hour exceedances of PM ₁₀ and PM _{2.5} Air (EPP) criteria on ambient particulate monitors in the community, during this reporting period.
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 205 trigger alerts were raised for the quarter • A total of 701 actions in response to the alerts were implemented for the quarter • An average of 3 to 4 actions per trigger <p>This report confirms the current TARP is assisting in managing dust control measures to minimise offsite dust from the site.</p>
Appendix 1	TARP reports for July, August and September 2022

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 July, 2022 and 01 August, 2022 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 05/07/22, 22:00 to 06/07/22, 07:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
High Trigger 08/07/22, 02:00 to 08/07/22, 09:10	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:09
Medium Trigger 08/07/22, 07:00 to 08/07/22, 09:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:10
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:26
	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	08/07/22, 09:26
Low Trigger 09/07/22, 07:00 to 09/07/22, 17:17	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 07:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 17:16
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 07:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 17:16
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20

Medium Trigger 09/07/22, 21:00 to 10/07/22, 05:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:19
Low Trigger 12/07/22, 08:00 to 12/07/22, 22:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	12/07/22, 22:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	12/07/22, 22:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	12/07/22, 22:44
Medium Trigger 13/07/22, 04:00 to 13/07/22, 08:35	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 03:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	13/07/22, 06:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 07:13
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 08:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 03:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	13/07/22, 06:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 07:13
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 08:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 03:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	13/07/22, 06:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 07:13
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 08:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 03:45
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	No operators in the area	13/07/22, 06:20
Medium Trigger 14/07/22, 00:00 to 14/07/22, 03:02	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 03:00
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 03:00
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 03:01
Medium Trigger 14/07/22, 00:00 to 14/07/22, 03:02	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 19:32
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 20:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	14/07/22, 20:21
	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	14/07/22, 20:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 21:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 22:53
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	14/07/22, 22:53
	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	14/07/22, 22:53

Medium Trigger 14/07/22, 20:00 to 14/07/22, 22:53	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 19:32
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 20:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	14/07/22, 20:21
	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	14/07/22, 20:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 21:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 22:53
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	14/07/22, 22:53
	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	14/07/22, 22:53
Low Trigger 18/07/22, 23:00 to 19/07/22, 20:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/07/22, 20:32
Medium Trigger 21/07/22, 08:00 to 21/07/22, 10:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 08:37
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	21/07/22, 08:37
	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	21/07/22, 08:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 10:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	21/07/22, 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	21/07/22, 10:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/07/22, 20:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
Medium Trigger 21/07/22, 08:00 to 21/07/22, 10:22	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21
	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:15
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:15
	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	24/07/22, 02:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 06:23
	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	24/07/22, 06:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/07/22, 20:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21
	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:15

Medium Trigger 23/07/22, 22:00 to 24/07/22, 06:24	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:15
	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	24/07/22, 02:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 06:23
	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	24/07/22, 06:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/07/22, 20:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21
	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:15
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:15
	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	24/07/22, 02:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 06:23
	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	24/07/22, 06:23

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
High Trigger 19/07/22, 23:00 to 20/07/22, 08:08	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 08:07
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/07/22, 08:07
	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	20/07/22, 08:07
	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	No current activities	20/07/22, 08:07
	If dust mitigation equipment is unavailable or at fault, investigate temporary alternative management practices	Investigated temporary mitigation options	20/07/22, 08:07
Low Trigger 20/07/22, 10:00 to 20/07/22, 10:34	Mobilise water cart or apply additional water sprays	Mobilised water cart	20/07/22, 08:07
Medium Trigger 21/07/22, 07:00 to 21/07/22, 08:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 10:34
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 06:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 07:15
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	21/07/22, 07:15
	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	21/07/22, 07:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 08:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21
	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:16
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:16
	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	24/07/22, 02:16
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:25
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21
	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:16
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:16
	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	24/07/22, 02:16
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:25
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 01:21

Medium Trigger 23/07/22, 22:00 to 24/07/22, 06:26	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	24/07/22, 01:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 02:16
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	24/07/22, 02:16
	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	24/07/22, 02:16
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 06:25
Low Trigger 28/07/22, 23:00 to 29/07/22, 00:06	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/07/22, 00:05

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 20/07/22, 08:00 to 20/07/22, 08:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 08:20

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/07/22, 07:00 to 01/07/22, 08:36	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 08:35
Low Trigger 01/07/22, 09:00 to 01/07/22, 17:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:41
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:43
Low Trigger 01/07/22, 15:00 to 01/07/22, 17:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:43
Low Trigger 01/07/22, 17:00 to 01/07/22, 17:43	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 17:43
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 19:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 19:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 20:27
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 20:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 21:19
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 21:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 22:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 19:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 19:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 20:27
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 20:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 21:19
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 21:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 22:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 19:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 19:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 20:27
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 20:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 21:19
Medium Trigger 01/07/22, 19:00 to 01/07/22, 22:22	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/07/22, 21:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/07/22, 22:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/07/22, 10:19
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/07/22, 10:19

Medium Trigger 02/07/22, 07:00 to 03/07/22, 10:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/07/22, 10:19
Low Trigger 02/07/22, 16:00 to 03/07/22, 10:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/07/22, 10:19
Medium Trigger 02/07/22, 21:00 to 02/07/22, 21:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/07/22, 21:46
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	02/07/22, 21:46
Low Trigger 02/07/22, 23:00 to 03/07/22, 00:48	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	02/07/22, 21:46
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/07/22, 00:48
Low Trigger 03/07/22, 11:00 to 06/07/22, 07:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
Low Trigger 04/07/22, 06:00 to 06/07/22, 07:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
Medium Trigger 04/07/22, 13:00 to 06/07/22, 07:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
Low Trigger 04/07/22, 15:00 to 06/07/22, 07:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
Low Trigger 04/07/22, 17:00 to 06/07/22, 07:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:32
Medium Trigger 05/07/22, 02:00 to 06/07/22, 07:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	06/07/22, 07:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	06/07/22, 07:33
Medium Trigger 05/07/22, 08:00 to 06/07/22, 07:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:33
Low Trigger 05/07/22, 23:00 to 06/07/22, 07:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/07/22, 07:34
Low Trigger 07/07/22, 00:00 to 07/07/22, 07:01	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	07/07/22, 07:01
Low Trigger 07/07/22, 02:00 to 07/07/22, 07:01	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	07/07/22, 07:01
Low Trigger 07/07/22, 22:00 to 08/07/22, 09:09	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Other (provide comments)	08/07/22, 09:09
Medium Trigger 08/07/22, 02:00 to 08/07/22, 09:09	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:09
High Trigger 08/07/22, 06:00 to 08/07/22, 09:10	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:10
Low Trigger 08/07/22, 08:00 to 08/07/22, 09:11	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/07/22, 09:10

	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/07/22, 21:20
Low Trigger 09/07/22, 20:00 to 10/07/22, 05:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:20
Low Trigger 10/07/22, 01:00 to 10/07/22, 05:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/07/22, 05:20
Medium Trigger 12/07/22, 17:00 to 12/07/22, 22:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	12/07/22, 22:44
Low Trigger 13/07/22, 01:00 to 13/07/22, 02:54	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/07/22, 02:54
Medium Trigger 13/07/22, 21:00 to 14/07/22, 03:03	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 03:03
Low Trigger 13/07/22, 23:00 to 14/07/22, 03:03	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/07/22, 03:02
Medium Trigger 16/07/22, 10:00 to 16/07/22, 19:01	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/07/22, 19:01
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 09:24
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 10:34
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 09:24
Low Trigger 20/07/22, 09:00 to 20/07/22, 10:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/07/22, 10:34
Low Trigger 21/07/22, 07:00 to 21/07/22, 07:16	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/07/22, 07:16
Medium Trigger 23/07/22, 21:00 to 24/07/22, 01:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:21
Low Trigger 24/07/22, 01:00 to 24/07/22, 01:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/07/22, 01:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/07/22, 00:05
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/07/22, 00:20
Medium Trigger 29/07/22, 00:00 to 29/07/22, 00:21	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	29/07/22, 00:20
	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	29/07/22, 00:20

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 11/07/22, 00:00 to 11/07/22, 03:00	Assess potential for shifting operations to more favourable conditions	No current activities	11/07/22, 03:43
	Ensure water truck is on standby to apply water	Water truck is on standby	11/07/22, 03:43
	Pre-emptive watering of stockpiles before handling	Watering not required	11/07/22, 03:43
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	11/07/22, 03:43
Low Trigger 11/07/22, 03:00 to 11/07/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	11/07/22, 03:43
	Ensure water truck is on standby to apply water	Water truck is on standby	11/07/22, 03:43
	Pre-emptive watering of stockpiles before handling	Watering not required	11/07/22, 03:43
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	11/07/22, 03:43
Low Trigger 16/07/22, 00:00 to 16/07/22, 03:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	15/07/22, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	15/07/22, 18:16
Medium Trigger 16/07/22, 03:00 to 16/07/22, 06:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	15/07/22, 18:16
	Ensure water truck is on standby to apply water	Water truck is on standby	15/07/22, 18:16
Low Trigger 21/07/22, 18:00 to 21/07/22, 21:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 21/07/22, 21:00 to 22/07/22, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 22/07/22, 00:00 to 22/07/22, 03:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 22/07/22, 03:00 to 22/07/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 22/07/22, 06:00 to 22/07/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 22/07/22, 09:00 to 22/07/22, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	21/07/22, 17:16
	Ensure water truck is on standby to apply water	Water truck is on standby	21/07/22, 17:16
	Pre-emptive watering of stockpiles before handling	Watering not required	21/07/22, 17:16
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	21/07/22, 17:16
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	22/07/22, 11:32
Low Trigger 29/07/22, 21:00 to 30/07/22, 00:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	30/07/22, 07:52
Low Trigger 30/07/22, 00:00 to 30/07/22, 03:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	30/07/22, 07:52
Low Trigger 30/07/22, 09:00 to 30/07/22, 12:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	30/07/22, 08:37

Low Trigger 30/07/22, 18:00 to 30/07/22, 21:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	31/07/22, 07:03
Medium Trigger 30/07/22, 21:00 to 31/07/22, 00:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	31/07/22, 07:03
Medium Trigger 31/07/22, 00:00 to 31/07/22, 03:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	31/07/22, 07:03

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 August, 2022 and 01 September, 2022 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 08/08/22, 00:00 to 08/08/22, 04:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/08/22, 04:43
Medium Trigger 09/08/22, 07:00 to 09/08/22, 19:39	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/08/22, 19:39
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	09/08/22, 19:39
Low Trigger 09/08/22, 09:00 to 09/08/22, 19:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/08/22, 19:47
Low Trigger 16/08/22, 21:00 to 16/08/22, 22:08	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/08/22, 22:07
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
Medium Trigger 20/08/22, 22:00 to 21/08/22, 05:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
Low Trigger 21/08/22, 08:00 to 21/08/22, 08:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 08:47
Medium Trigger 26/08/22, 03:00 to 26/08/22, 10:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/08/22, 10:25
	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	26/08/22, 10:25
Low Trigger 26/08/22, 06:00 to 26/08/22, 10:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25
High Trigger 26/08/22, 08:00 to 26/08/22, 10:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25
Medium Trigger 26/08/22, 21:00 to 26/08/22, 21:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 21:20
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/08/22, 21:20
	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	26/08/22, 21:20

Medium Trigger 29/08/22, 09:00 to 30/08/22, 07:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/08/22, 07:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	30/08/22, 07:33
	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	30/08/22, 07:33

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
High Trigger 16/08/22, 20:00 to 16/08/22, 22:07	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/08/22, 22:06
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	16/08/22, 22:06
	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	16/08/22, 22:06
	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	Other (provide comments)	16/08/22, 22:06

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 26/08/22, 07:00 to 26/08/22, 10:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/08/22, 10:25
	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	26/08/22, 10:25

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 02/08/22, 14:00 to 02/08/22, 19:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/08/22, 19:27
Medium Trigger 16/08/22, 20:00 to 16/08/22, 22:06	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/08/22, 22:05
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	16/08/22, 22:05
	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	16/08/22, 22:05
Medium Trigger 20/08/22, 21:00 to 21/08/22, 05:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/08/22, 21:40
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/08/22, 21:40
	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	20/08/22, 21:40
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
Medium Trigger 20/08/22, 21:00 to 21/08/22, 05:27	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	21/08/22, 05:27
	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	21/08/22, 05:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
Low Trigger 21/08/22, 01:00 to 21/08/22, 05:27	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/08/22, 05:27
Medium Trigger 26/08/22, 02:00 to 26/08/22, 10:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:24
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/08/22, 10:24
	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	26/08/22, 10:24
Low Trigger 26/08/22, 07:00 to 26/08/22, 10:25	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/08/22, 10:25

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 02/08/22, 06:00 to 02/08/22, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	02/08/22, 07:27
	Ensure water truck is on standby to apply water	Water truck is on standby	02/08/22, 07:27
	Pre-emptive watering of stockpiles before handling	Watering not required	02/08/22, 07:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/08/22, 07:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	02/08/22, 07:27
	Additional watering if warranted	Additional watering not required	02/08/22, 07:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	02/08/22, 07:27
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	02/08/22, 07:27
	Ensure water truck is on standby to apply water	Water truck is on standby	02/08/22, 07:27
	Pre-emptive watering of stockpiles before handling	Watering not required	02/08/22, 07:27
High Trigger 02/08/22, 09:00 to 02/08/22, 12:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/08/22, 07:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	02/08/22, 07:27
	Additional watering if warranted	Additional watering not required	02/08/22, 07:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	02/08/22, 07:27
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	02/08/22, 07:27
	Ensure water truck is on standby to apply water	Water truck is on standby	02/08/22, 07:27
	Pre-emptive watering of stockpiles before handling	Watering not required	02/08/22, 07:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	02/08/22, 07:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	02/08/22, 07:27
	Additional watering if warranted	Additional watering not required	02/08/22, 07:27
High Trigger 02/08/22, 15:00 to 02/08/22, 18:00	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	02/08/22, 07:27
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47
Low Trigger 09/08/22, 21:00 to 10/08/22, 00:00	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28
Low Trigger 10/08/22, 00:00 to 10/08/22, 03:00	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28
Medium Trigger 10/08/22, 03:00 to 10/08/22, 06:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28

Medium Trigger 10/08/22, 06:00 to 10/08/22, 09:00	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28	
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28	
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28	
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28	
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47	
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47	
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28	
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28	
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28	
	High Trigger 10/08/22, 09:00 to 10/08/22, 12:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
Visual observations of major stockpiles		Operators inspecting major stockpiles for visible dust	10/08/22, 07:28	
Additional watering if warranted		Additional watering not required	10/08/22, 07:28	
Assess potential for shifting operations to more favourable conditions		Shifted operations to more favourable conditions	09/08/22, 19:47	
Ensure water truck is on standby to apply water		Water truck is on standby	09/08/22, 19:47	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	10/08/22, 07:28	
Ensure water truck is on standby to apply water		Water truck is on standby	10/08/22, 07:28	
Pre-emptive watering of stockpiles before handling		Watering not required	10/08/22, 07:28	
High Trigger 10/08/22, 12:00 to 10/08/22, 15:00		Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
		Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
	Additional watering if warranted	Additional watering not required	10/08/22, 07:28	
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	09/08/22, 19:47	
	Ensure water truck is on standby to apply water	Water truck is on standby	09/08/22, 19:47	
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/08/22, 07:28	
	Ensure water truck is on standby to apply water	Water truck is on standby	10/08/22, 07:28	
	Pre-emptive watering of stockpiles before handling	Watering not required	10/08/22, 07:28	
	Medium Trigger 10/08/22, 15:00 to 10/08/22, 18:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/08/22, 07:28
		Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	10/08/22, 07:28
Additional watering if warranted		Additional watering not required	10/08/22, 07:28	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/08/22, 11:22	
Ensure water truck is on standby to apply water		Water truck is on standby	17/08/22, 11:22	
Pre-emptive watering of stockpiles before handling		Watering not required	17/08/22, 11:22	
Medium Trigger 17/08/22, 09:00 to 17/08/22, 12:00		Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/08/22, 11:22
		Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	17/08/22, 11:22
		Additional watering if warranted	Additional watering not required	17/08/22, 11:22
		Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/08/22, 11:22
	Ensure water truck is on standby to apply water	Water truck is on standby	17/08/22, 11:22	
	Pre-emptive watering of stockpiles before handling	Watering not required	17/08/22, 11:22	
	Medium Trigger 17/08/22, 12:00 to 17/08/22, 15:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/08/22, 11:22
		Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	17/08/22, 11:22
		Additional watering if warranted	Additional watering not required	17/08/22, 11:22
		Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/08/22, 11:22
Ensure water truck is on standby to apply water		Water truck is on standby	17/08/22, 11:22	
Pre-emptive watering of stockpiles before handling		Watering not required	17/08/22, 11:22	
Medium Trigger 17/08/22, 15:00 to 17/08/22, 18:00		Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/08/22, 11:22
		Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	17/08/22, 11:22
		Additional watering if warranted	Additional watering not required	17/08/22, 11:22
		Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	27/08/22, 20:54
	Ensure water truck is on standby to apply water	Water truck is on standby	27/08/22, 20:54	
	Pre-emptive watering of stockpiles before handling	Watering not required	27/08/22, 20:54	
	Low Trigger 27/08/22, 21:00 to 28/08/22, 00:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	27/08/22, 20:54
		Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	27/08/22, 20:54
		Ensure water truck is on standby to apply water	Water truck is on standby	27/08/22, 20:54

Low Trigger 28/08/22, 00:00 to 28/08/22, 03:00	Pre-emptive watering of stockpiles before handling	Watering not required	27/08/22, 20:54
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	27/08/22, 20:54
Low Trigger 28/08/22, 09:00 to 28/08/22, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	30/08/22, 07:33
	Ensure water truck is on standby to apply water	Water truck is on standby	30/08/22, 07:33
	Pre-emptive watering of stockpiles before handling	Watering not required	30/08/22, 07:33
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/08/22, 07:33
Low Trigger 28/08/22, 21:00 to 29/08/22, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	30/08/22, 07:33
	Ensure water truck is on standby to apply water	Water truck is on standby	30/08/22, 07:33
	Pre-emptive watering of stockpiles before handling	Watering not required	30/08/22, 07:33
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/08/22, 07:33

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 September, 2022 and 01 October, 2022 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/09/22, 00:00 to 01/09/22, 06:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/09/22, 06:14
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/09/22, 06:14
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/09/22, 06:14
Low Trigger 01/09/22, 06:00 to 01/09/22, 06:15	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/09/22, 06:15
Medium Trigger 05/09/22, 07:00 to 06/09/22, 01:49	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/09/22, 01:48
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	06/09/22, 01:48
	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	06/09/22, 01:48
High Trigger 06/09/22, 07:00 to 06/09/22, 12:16	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/09/22, 12:15
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	06/09/22, 12:15
	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	06/09/22, 12:15
Medium Trigger 07/09/22, 07:00 to 07/09/22, 08:38	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	07/09/22, 07:30
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	07/09/22, 07:30
	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	07/09/22, 07:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	07/09/22, 08:38
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	07/09/22, 08:38
	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	07/09/22, 08:38
Low Trigger 10/09/22, 21:00 to 10/09/22, 21:26	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/09/22, 21:26
Low Trigger 13/09/22, 08:00 to 13/09/22, 20:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/09/22, 20:44

	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 01:53
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/09/22, 06:56
	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	23/09/22, 06:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 01:53
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/09/22, 06:56
	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	23/09/22, 06:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 01:53
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
Medium Trigger 23/09/22, 01:00 to 23/09/22, 06:56	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/09/22, 06:56
	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	23/09/22, 06:56
Medium Trigger 23/09/22, 05:00 to 23/09/22, 06:56	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 10:43
Medium Trigger 23/09/22, 09:00 to 23/09/22, 10:43	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/09/22, 10:43
	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 - no sources identified	23/09/22, 10:43
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/09/22, 06:52
Medium Trigger 24/09/22, 22:00 to 25/09/22, 06:53	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	25/09/22, 06:52
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/09/22, 22:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	25/09/22, 22:56
	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	25/09/22, 22:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:06
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:20
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 00:20
	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	26/09/22, 00:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 01:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 01:23
	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	26/09/22, 01:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/09/22, 22:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	25/09/22, 22:56
	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	25/09/22, 22:56

	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:06
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:20
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 00:20
	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	26/09/22, 00:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 01:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 01:23
	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	26/09/22, 01:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/09/22, 22:56
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	25/09/22, 22:56
	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	25/09/22, 22:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:06
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:20
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 00:20
	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	26/09/22, 00:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 01:23
Medium Trigger 25/09/22, 22:00 to 26/09/22, 01:23	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 01:23
	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	26/09/22, 01:23
Medium Trigger 29/09/22, 07:00 to 29/09/22, 21:31	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/09/22, 07:47
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	29/09/22, 07:47

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/09/22, 01:00 to 01/09/22, 06:15	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/09/22, 06:14
Low Trigger 03/09/22, 07:00 to 03/09/22, 07:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/09/22, 07:37
Low Trigger 04/09/22, 01:00 to 04/09/22, 04:30	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/09/22, 04:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/09/22, 12:16
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	06/09/22, 12:16
	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	06/09/22, 12:16
	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	No current activities	06/09/22, 12:16
	If dust mitigation equipment is unavailable or at fault, investigate temporary alternative management practices	Investigated temporary mitigation options	06/09/22, 12:16
High Trigger 06/09/22, 08:00 to 06/09/22, 12:18	Mobilise water cart or apply additional water sprays	Mobilised water cart	06/09/22, 12:16

DT3 Block 9

No triggers during this period

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 06/09/22, 21:00 to 07/09/22, 07:05	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	07/09/22, 07:05
Low Trigger 23/09/22, 01:00 to 23/09/22, 01:56	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 01:55
Low Trigger 23/09/22, 04:00 to 23/09/22, 06:56	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 06:56
Low Trigger 23/09/22, 10:00 to 23/09/22, 10:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/09/22, 10:43
Medium Trigger 24/09/22, 05:00 to 24/09/22, 07:52	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/09/22, 07:52
Low Trigger 24/09/22, 19:00 to 24/09/22, 19:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/09/22, 19:45
Low Trigger 24/09/22, 21:00 to 25/09/22, 06:52	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	25/09/22, 06:52
Medium Trigger 26/09/22, 01:00 to 26/09/22, 01:23	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 00:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	26/09/22, 01:23
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	26/09/22, 01:23
	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	26/09/22, 01:23
Low Trigger 30/09/22, 07:00 to 30/09/22, 13:10	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/09/22, 07:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/09/22, 13:10
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/09/22, 07:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/09/22, 13:10
Low Trigger 30/09/22, 23:00 to 01/10/22, 04:06	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/09/22, 23:17
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 00:43
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/10/22, 00:43
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 01:15
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 02:32
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 04:05
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 04:05

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 07/09/22, 03:00 to 07/09/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	06/09/22, 18:15
	Ensure water truck is on standby to apply water	Water truck is on standby	06/09/22, 18:15
	Pre-emptive watering of stockpiles before handling	Watering not required	06/09/22, 18:15
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	06/09/22, 18:15
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	07/09/22, 07:05
	Ensure water truck is on standby to apply water	Water truck is on standby	07/09/22, 07:05
	Pre-emptive watering of stockpiles before handling	Watering not required	07/09/22, 07:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	07/09/22, 07:05
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	07/09/22, 07:05
	Additional watering if warranted	Additional watering not required	07/09/22, 07:05
Low Trigger 07/09/22, 06:00 to 07/09/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	06/09/22, 18:15
	Ensure water truck is on standby to apply water	Water truck is on standby	06/09/22, 18:15
	Pre-emptive watering of stockpiles before handling	Watering not required	06/09/22, 18:15
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	06/09/22, 18:15
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	07/09/22, 07:05
	Ensure water truck is on standby to apply water	Water truck is on standby	07/09/22, 07:05
	Pre-emptive watering of stockpiles before handling	Watering not required	07/09/22, 07:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	07/09/22, 07:05
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	07/09/22, 07:05
	Additional watering if warranted	Additional watering not required	07/09/22, 07:05
Low Trigger 07/09/22, 09:00 to 07/09/22, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	06/09/22, 18:15
	Ensure water truck is on standby to apply water	Water truck is on standby	06/09/22, 18:15
	Pre-emptive watering of stockpiles before handling	Watering not required	06/09/22, 18:15
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	06/09/22, 18:15
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	07/09/22, 07:05
	Ensure water truck is on standby to apply water	Water truck is on standby	07/09/22, 07:05
	Pre-emptive watering of stockpiles before handling	Watering not required	07/09/22, 07:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	07/09/22, 07:05
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	07/09/22, 07:05
	Additional watering if warranted	Additional watering not required	07/09/22, 07:05
Medium Trigger 07/09/22, 12:00 to 07/09/22, 15:00	Assess potential for shifting operations to more favourable conditions	No current activities	06/09/22, 18:15
	Ensure water truck is on standby to apply water	Water truck is on standby	06/09/22, 18:15
	Pre-emptive watering of stockpiles before handling	Watering not required	06/09/22, 18:15
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	06/09/22, 18:15
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	07/09/22, 07:05
	Ensure water truck is on standby to apply water	Water truck is on standby	07/09/22, 07:05
	Pre-emptive watering of stockpiles before handling	Watering not required	07/09/22, 07:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	07/09/22, 07:05
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	07/09/22, 07:05
	Additional watering if warranted	Additional watering not required	07/09/22, 07:05
	Assess potential for shifting operations to more favourable conditions	No current activities	06/09/22, 18:15
	Ensure water truck is on standby to apply water	Water truck is on standby	06/09/22, 18:15
	Pre-emptive watering of stockpiles before handling	Watering not required	06/09/22, 18:15
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	06/09/22, 18:15
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	07/09/22, 07:05
	Ensure water truck is on standby to apply water	Water truck is on standby	07/09/22, 07:05
	Pre-emptive watering of stockpiles before handling	Watering not required	07/09/22, 07:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	07/09/22, 07:05
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	07/09/22, 07:05
	Additional watering if warranted	Additional watering not required	07/09/22, 07:05

Low Trigger 07/09/22, 15:00 to 07/09/22, 18:00	Additional watering if warranted	Additional watering not required	07/09/22, 07:05
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
Low Trigger 13/09/22, 18:00 to 13/09/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
High Trigger 13/09/22, 21:00 to 14/09/22, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
High Trigger 14/09/22, 00:00 to 14/09/22, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
High Trigger 14/09/22, 03:00 to 14/09/22, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
High Trigger 14/09/22, 06:00 to 14/09/22, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	13/09/22, 20:45
	Ensure water truck is on standby to apply water	Water truck is on standby	13/09/22, 20:45
	Pre-emptive watering of stockpiles before handling	Watering not required	13/09/22, 20:45
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	13/09/22, 20:45
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	13/09/22, 20:45
	Additional watering if warranted	Additional watering not required	13/09/22, 20:45
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	13/09/22, 20:45
High Trigger 14/09/22, 09:00 to 14/09/22, 12:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	14/09/22, 07:32
	Assess potential for shifting operations to more favourable conditions	No current activities	15/09/22, 07:04
	Ensure water truck is on standby to apply water	Water truck is on standby	15/09/22, 07:04
	Pre-emptive watering of stockpiles before handling	Watering not required	15/09/22, 07:04

Low Trigger 15/09/22, 06:00 to 15/09/22, 09:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	15/09/22, 07:04
Low Trigger 20/09/22, 03:00 to 20/09/22, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
Medium Trigger 20/09/22, 06:00 to 20/09/22, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
High Trigger 20/09/22, 09:00 to 20/09/22, 12:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
High Trigger 20/09/22, 12:00 to 20/09/22, 15:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
High Trigger 20/09/22, 15:00 to 20/09/22, 18:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
High Trigger 20/09/22, 18:00 to 20/09/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53
Medium Trigger 20/09/22, 21:00 to 21/09/22, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	21/09/22, 09:53

Visual Observations

No triggers during this period