



Adelaide Brighton Cement Ltd

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QUARTERLY DUST MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 31/01/23 – Quarter 4, 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 January 2023

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 196 trigger alerts were raised for the quarter • A total of 679 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 October, November and December 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 October, 2022 and 01 November, 2022 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/10/22, 00:00 to 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, 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, 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
Low Trigger 01/10/22, 07:00 to 01/10/22, 07:18	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 07:18
Low Trigger 03/10/22, 23:00 to 03/10/22, 23:18	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/10/22, 23:17
High Trigger 04/10/22, 13:00 to 04/10/22, 16:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/10/22, 16:14
Low Trigger 22/10/22, 03:00 to 22/10/22, 03:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	22/10/22, 03:20

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 16/10/22, 21:00 to 17/10/22, 07:29	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/10/22, 07:29
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	17/10/22, 07:29
	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	17/10/22, 07:29

DT3 Block 9

No triggers during this period

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
	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
Medium Trigger 01/10/22, 00:00 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	01/10/22, 04:05
Low Trigger 01/10/22, 06:00 to 01/10/22, 07:18	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/10/22, 07:18
Low Trigger 02/10/22, 22:00 to 03/10/22, 06:55	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/10/22, 06:54
Low Trigger 03/10/22, 21:00 to 03/10/22, 22:42	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/10/22, 22:42
Medium Trigger 19/10/22, 12:00 to 19/10/22, 13:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/10/22, 13:37
Medium Trigger 19/10/22, 14:00 to 19/10/22, 15:44	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/10/22, 15:43
Low Trigger 20/10/22, 10:00 to 20/10/22, 11:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/10/22, 11:26
	Other	No action required - conditions already addressed	20/10/22, 11:26
Medium Trigger 21/10/22, 03:00 to 21/10/22, 03:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/10/22, 03:33
Low Trigger 22/10/22, 03:00 to 22/10/22, 03:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	22/10/22, 03:21
Low Trigger 24/10/22, 11:00 to 24/10/22, 11:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/10/22, 11:28

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 04/10/22, 03:00 to 04/10/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	03/10/22, 19:05
	Ensure water truck is on standby to apply water	Water truck is on standby	03/10/22, 19:05
	Pre-emptive watering of stockpiles before handling	Watering not required	03/10/22, 19:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	03/10/22, 19:05
	Assess potential for shifting operations to more favourable conditions	No current activities	04/10/22, 06:27
	Ensure water truck is on standby to apply water	Water truck is on standby	04/10/22, 06:27
	Pre-emptive watering of stockpiles before handling	Watering not required	04/10/22, 06:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	04/10/22, 06:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	04/10/22, 06:27
	Additional watering if warranted	Additional watering not required	04/10/22, 06:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	04/10/22, 06:27
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	04/10/22, 19:00
High Trigger 04/10/22, 06:00 to 04/10/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	03/10/22, 19:05
	Ensure water truck is on standby to apply water	Water truck is on standby	03/10/22, 19:05
	Pre-emptive watering of stockpiles before handling	Watering not required	03/10/22, 19:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	03/10/22, 19:05
	Assess potential for shifting operations to more favourable conditions	No current activities	04/10/22, 06:27
	Ensure water truck is on standby to apply water	Water truck is on standby	04/10/22, 06:27
	Pre-emptive watering of stockpiles before handling	Watering not required	04/10/22, 06:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	04/10/22, 06:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	04/10/22, 06:27
	Additional watering if warranted	Additional watering not required	04/10/22, 06:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	04/10/22, 06:27
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	04/10/22, 19:00
High Trigger 04/10/22, 09:00 to 04/10/22, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	03/10/22, 19:05
	Ensure water truck is on standby to apply water	Water truck is on standby	03/10/22, 19:05
	Pre-emptive watering of stockpiles before handling	Watering not required	03/10/22, 19:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	03/10/22, 19:05
	Assess potential for shifting operations to more favourable conditions	No current activities	04/10/22, 06:27
	Ensure water truck is on standby to apply water	Water truck is on standby	04/10/22, 06:27
	Pre-emptive watering of stockpiles before handling	Watering not required	04/10/22, 06:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	04/10/22, 06:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	04/10/22, 06:27
	Additional watering if warranted	Additional watering not required	04/10/22, 06:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	04/10/22, 06:27
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	04/10/22, 19:00
High Trigger 04/10/22, 12:00 to 04/10/22, 15:00	Assess potential for shifting operations to more favourable conditions	No current activities	03/10/22, 19:05
	Ensure water truck is on standby to apply water	Water truck is on standby	03/10/22, 19:05
	Pre-emptive watering of stockpiles before handling	Watering not required	03/10/22, 19:05
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	03/10/22, 19:05
	Assess potential for shifting operations to more favourable conditions	No current activities	04/10/22, 06:27
	Ensure water truck is on standby to apply water	Water truck is on standby	04/10/22, 06:27
	Pre-emptive watering of stockpiles before handling	Watering not required	04/10/22, 06:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	04/10/22, 06:27
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	04/10/22, 06:27
	Additional watering if warranted	Additional watering not required	04/10/22, 06:27
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	04/10/22, 06:27
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	04/10/22, 19:00
Assess potential for shifting operations to more favourable conditions	No current activities	03/10/22, 19:05	

Low Trigger 11/10/22, 03:00 to 11/10/22, 06:00	Ensure water truck is on standby to apply water	Water truck is on standby	10/10/22, 20:17
	Pre-emptive watering of stockpiles before handling	Watering not required	10/10/22, 20:17
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/10/22, 20:17
Low Trigger 11/10/22, 09:00 to 11/10/22, 12:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	11/10/22, 11:01
	Ensure water truck is on standby to apply water	Water truck is on standby	11/10/22, 11:01
Low Trigger 18/10/22, 00:00 to 18/10/22, 03:00	Assess potential for shifting operations to more favourable conditions	No current activities	17/10/22, 18:22
	Ensure water truck is on standby to apply water	Water truck is on standby	17/10/22, 18:22
	Pre-emptive watering of stockpiles before handling	Watering completed	17/10/22, 18:22
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/10/22, 18:22
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	18/10/22, 08:34
Low Trigger 18/10/22, 03:00 to 18/10/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	17/10/22, 18:22
	Ensure water truck is on standby to apply water	Water truck is on standby	17/10/22, 18:22
	Pre-emptive watering of stockpiles before handling	Watering completed	17/10/22, 18:22
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/10/22, 18:22
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	18/10/22, 08:34
Low Trigger 18/10/22, 06:00 to 18/10/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	17/10/22, 18:22
	Ensure water truck is on standby to apply water	Water truck is on standby	17/10/22, 18:22
	Pre-emptive watering of stockpiles before handling	Watering completed	17/10/22, 18:22
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	17/10/22, 18:22
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	18/10/22, 08:34
Low Trigger 23/10/22, 21:00 to 24/10/22, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	24/10/22, 08:21
	Ensure water truck is on standby to apply water	Water truck is on standby	24/10/22, 08:21
	Pre-emptive watering of stockpiles before handling	Watering not required	24/10/22, 08:21
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	24/10/22, 08:21
	Assess potential for shifting operations to more favourable conditions	No current activities	30/10/22, 10:01
Medium Trigger 30/10/22, 06:00 to 30/10/22, 09:00	Ensure water truck is on standby to apply water	Water truck is on standby	30/10/22, 10:01
	Pre-emptive watering of stockpiles before handling	Watering not required	30/10/22, 10:01
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/10/22, 10:01
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	30/10/22, 10:01
	Additional watering if warranted	Additional watering not required	30/10/22, 10:01
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	30/10/22, 10:01
	Assess potential for shifting operations to more favourable conditions	No current activities	30/10/22, 10:01
High Trigger 30/10/22, 09:00 to 30/10/22, 12:00	Ensure water truck is on standby to apply water	Water truck is on standby	30/10/22, 10:01
	Pre-emptive watering of stockpiles before handling	Watering not required	30/10/22, 10:01
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/10/22, 10:01
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	30/10/22, 10:01
	Additional watering if warranted	Additional watering not required	30/10/22, 10:01
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	30/10/22, 10:01
	Assess potential for shifting operations to more favourable conditions	No current activities	30/10/22, 10:01
High Trigger 30/10/22, 12:00 to 30/10/22, 15:00	Ensure water truck is on standby to apply water	Water truck is on standby	30/10/22, 10:01
	Pre-emptive watering of stockpiles before handling	Watering not required	30/10/22, 10:01
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/10/22, 10:01
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	30/10/22, 10:01
	Additional watering if warranted	Additional watering not required	30/10/22, 10:01
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	30/10/22, 10:01
	Assess potential for shifting operations to more favourable conditions	No current activities	30/10/22, 10:01

Visual Observations

No triggers during this period

Trigger Action Response Plan - Response Summary

The tables below show the triggers that were generated as part of the Adelaide Brighton Cement Trigger Action Response Plan (TARP) between 01 November, 2022 and 01 December, 2022 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 05/11/22, 06:00 to 06/11/22, 03:39	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/11/22, 03:39
Low Trigger 06/11/22, 00:00 to 06/11/22, 03:39	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/11/22, 03:39
Medium Trigger 07/11/22, 08:00 to 09/11/22, 07:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/11/22, 07:37
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	09/11/22, 07:37
	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	09/11/22, 07:37

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 01/11/22, 18:00 to 01/11/22, 18:29	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	01/11/22, 18:29
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	01/11/22, 18:29
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	01/11/22, 18:29
Medium Trigger 02/11/22, 04:00 to 02/11/22, 07:58	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	02/11/22, 07:57
Low Trigger 03/11/22, 06:00 to 03/11/22, 07:13	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/11/22, 07:13
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 06:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	04/11/22, 06:22
	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	04/11/22, 06:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 07:57
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 08:26
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 06:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	04/11/22, 06:22
	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	04/11/22, 06:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 07:57
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 08:26
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 06:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	04/11/22, 06:22
	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	04/11/22, 06:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 07:57
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 08:26
Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 06:22	
Medium Trigger 04/11/22, 06:00 to 04/11/22, 08:26	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 07:57
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 08:26
Low Trigger 04/11/22, 21:00 to 04/11/22, 21:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/11/22, 21:20
Medium Trigger 06/11/22, 07:00 to 06/11/22, 23:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/11/22, 23:50
Medium Trigger 06/11/22, 21:00 to 06/11/22, 23:51	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/11/22, 23:50
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/11/22, 23:51
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/11/22, 08:03
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	09/11/22, 08:03
	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	09/11/22, 08:03

	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	No current activities	09/11/22, 08:03
High Trigger 07/11/22, 07:00 to 09/11/22, 08:03	If dust mitigation equipment is unavailable or at fault, investigate temporary alternative management practices	Investigated temporary mitigation options	09/11/22, 08:03
	Mobilise water cart or apply additional water sprays	Mobilised water cart	09/11/22, 08:03
Medium Trigger 07/11/22, 16:00 to 09/11/22, 07:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/11/22, 07:37
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	09/11/22, 07:37
	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	09/11/22, 07:37
Low Trigger 08/11/22, 00:00 to 09/11/22, 07:37	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	09/11/22, 07:37
Medium Trigger 09/11/22, 22:00 to 10/11/22, 02:00	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	10/11/22, 01:59
Low Trigger 11/11/22, 14:00 to 11/11/22, 14:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	11/11/22, 14:22
Low Trigger 14/11/22, 09:00 to 14/11/22, 19:05	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/11/22, 19:05
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/11/22, 19:05
Low Trigger 14/11/22, 12:00 to 14/11/22, 19:05	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/11/22, 19:05
Low Trigger 15/11/22, 21:00 to 16/11/22, 07:23	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 07:23
Low Trigger 16/11/22, 01:00 to 16/11/22, 07:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 07:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 07:22
Medium Trigger 16/11/22, 04:00 to 16/11/22, 07:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 07:19
Low Trigger 16/11/22, 11:00 to 16/11/22, 12:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 12:30
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/11/22, 12:30
Low Trigger 17/11/22, 18:00 to 17/11/22, 21:07	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	17/11/22, 21:06
Low Trigger 20/11/22, 16:00 to 20/11/22, 17:13	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/11/22, 17:13
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/11/22, 17:13
Medium Trigger 21/11/22, 10:00 to 21/11/22, 19:07	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/11/22, 19:06
Low Trigger 21/11/22, 13:00 to 21/11/22, 19:07	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/11/22, 19:07
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	21/11/22, 19:07
Low Trigger 22/11/22, 11:00 to 23/11/22, 01:48	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/11/22, 01:48
Low Trigger 22/11/22, 15:00 to 23/11/22, 01:48	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/11/22, 01:48
Medium Trigger 24/11/22, 01:00 to 24/11/22, 11:26	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/11/22, 11:26

Low Trigger 28/11/22, 16:00 to 28/11/22, 16:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/11/22, 16:28
Medium Trigger 30/11/22, 15:00 to 30/11/22, 18:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/11/22, 18:23
Low Trigger 30/11/22, 18:00 to 30/11/22, 18:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/11/22, 18:24

DT3 Block 9

No triggers during this period

DT5 Northern Grounds

No triggers during this period

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 08/11/22, 00:00 to 08/11/22, 03:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is on standby	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
Medium Trigger 08/11/22, 03:00 to 08/11/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is on standby	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
Low Trigger 08/11/22, 06:00 to 08/11/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is on standby	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
Low Trigger 08/11/22, 21:00 to 09/11/22, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
Medium Trigger 09/11/22, 00:00 to 09/11/22, 03:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
Medium Trigger 09/11/22, 03:00 to 09/11/22, 06:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
Low Trigger 09/11/22, 06:00 to 09/11/22, 09:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
Medium Trigger 09/11/22, 09:00 to 09/11/22, 12:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
Medium Trigger 09/11/22, 12:00 to 09/11/22, 15:00	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36
	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36
	Assess potential for shifting operations to more favourable conditions	No current activities	09/11/22, 07:36

Low Trigger 09/11/22, 15:00 to 09/11/22, 18:00	Ensure water truck is on standby to apply water	Water truck is operational	09/11/22, 07:36	
	Pre-emptive watering of stockpiles before handling	Watering not required	09/11/22, 07:36	
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	09/11/22, 07:36	
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	09/11/22, 07:36	
	Additional watering if warranted	Additional watering not required	09/11/22, 07:36	
	Medium Trigger 18/11/22, 00:00 to 18/11/22, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/11/22, 21:06	
Assess potential for shifting operations to more favourable conditions		No current activities	18/11/22, 07:24	
Ensure water truck is on standby to apply water		Water truck is operational	18/11/22, 07:24	
Pre-emptive watering of stockpiles before handling		Watering not required	18/11/22, 07:24	
Visual observations of site every 3 hours		Operators inspecting site for visible dust	18/11/22, 07:24	
Visual observations of major stockpiles		Operators inspecting major stockpiles for visible dust	18/11/22, 07:24	
Additional watering if warranted		Additional watering not required	18/11/22, 07:24	
Assess potential for shifting operations to more favourable conditions		No current activities	18/11/22, 18:20	
Ensure water truck is on standby to apply water		Water truck is on standby	18/11/22, 18:20	
Pre-emptive watering of stockpiles before handling		Watering not required	18/11/22, 18:20	
Visual observations of site every 3 hours		Operators inspecting site for visible dust	18/11/22, 18:20	
Visual observations of major stockpiles		Operators inspecting major stockpiles for visible dust	18/11/22, 18:20	
Additional watering if warranted		Additional watering not required	18/11/22, 18:20	
Review ambient monitoring PM10 levels		Ambient monitoring being reviewed	18/11/22, 18:20	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/11/22, 21:04	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/11/22, 21:06	
Assess potential for shifting operations to more favourable conditions		No current activities	18/11/22, 07:24	
Medium Trigger 18/11/22, 03:00 to 18/11/22, 06:00	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24	
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24	
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24	
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24	
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24	
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20	
	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20	
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20	
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20	
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20	
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20	
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20	
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04	
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06	
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24	
	Medium Trigger 18/11/22, 06:00 to 18/11/22, 09:00	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
		Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
		Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
Visual observations of major stockpiles		Operators inspecting major stockpiles for visible dust	18/11/22, 07:24	
Additional watering if warranted		Additional watering not required	18/11/22, 07:24	
Assess potential for shifting operations to more favourable conditions		No current activities	18/11/22, 18:20	
Ensure water truck is on standby to apply water		Water truck is on standby	18/11/22, 18:20	
Pre-emptive watering of stockpiles before handling		Watering not required	18/11/22, 18:20	
Visual observations of site every 3 hours		Operators inspecting site for visible dust	18/11/22, 18:20	
Visual observations of major stockpiles		Operators inspecting major stockpiles for visible dust	18/11/22, 18:20	
Additional watering if warranted		Additional watering not required	18/11/22, 18:20	
Review ambient monitoring PM10 levels		Ambient monitoring being reviewed	18/11/22, 18:20	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/11/22, 21:04	
Assess potential for shifting operations to more favourable conditions		No opportunity to shift operations	17/11/22, 21:06	

	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
Medium Trigger 18/11/22, 09:00 to 18/11/22, 12:00	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
Low Trigger 18/11/22, 12:00 to 18/11/22, 15:00	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
Medium Trigger 18/11/22, 15:00 to 18/11/22, 18:00	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20

Medium Trigger 18/11/22, 18:00 to 18/11/22, 21:00	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
High Trigger 18/11/22, 21:00 to 19/11/22, 00:00	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
Low Trigger 19/11/22, 00:00 to 19/11/22, 03:00	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:04
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	17/11/22, 21:06
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 07:24
	Ensure water truck is on standby to apply water	Water truck is operational	18/11/22, 07:24
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 07:24
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 07:24
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 07:24
	Additional watering if warranted	Additional watering not required	18/11/22, 07:24
	Assess potential for shifting operations to more favourable conditions	No current activities	18/11/22, 18:20
Low Trigger 19/11/22, 03:00 to 19/11/22, 06:00	Ensure water truck is on standby to apply water	Water truck is on standby	18/11/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	18/11/22, 18:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	18/11/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	18/11/22, 18:20
	Additional watering if warranted	Additional watering not required	18/11/22, 18:20
	Review ambient monitoring PM10 levels	Ambient monitoring being reviewed	18/11/22, 18:20
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41

Low Trigger			
25/11/22, 21:00 to 26/11/22, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41
Medium Trigger	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41
26/11/22, 00:00 to 26/11/22, 03:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41
Low Trigger	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41
26/11/22, 03:00 to 26/11/22, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	25/11/22, 18:41
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	30/11/22, 18:24
	Ensure water truck is on standby to apply water	Water truck is on standby	30/11/22, 18:24
Low Trigger	Pre-emptive watering of stockpiles before handling	Watering not required	30/11/22, 18:24
30/11/22, 18:00 to 30/11/22, 21:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/11/22, 18:24

Visual Observations

No triggers during this period

Trigger Action Response Plan - Response Summary

The tables below show the triggers that were generated as part of the Adelaide Brighton Cement Trigger Action Response Plan (TARP) between 01 December, 2022 and 01 January, 2023 along with the resulting management actions taken.

DT1 Southern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 19/12/22, 11:00 to 19/12/22, 15:22	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 15:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	19/12/22, 15:22
	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	19/12/22, 15:22
Low Trigger 20/12/22, 10:00 to 20/12/22, 13:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 13:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 13:20

DT2 Eastern Grounds

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/12/22, 15:00 to 03/12/22, 06:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/12/22, 06:20
Low Trigger 01/12/22, 20:00 to 03/12/22, 06:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/12/22, 06:21
Medium Trigger 02/12/22, 15:00 to 03/12/22, 06:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/12/22, 06:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	03/12/22, 06:21
	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	03/12/22, 06:21
Low Trigger 04/12/22, 01:00 to 04/12/22, 01:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	04/12/22, 01:33
Medium Trigger 04/12/22, 17:00 to 06/12/22, 08:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:50
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:50
Medium Trigger 04/12/22, 21:00 to 06/12/22, 08:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:50
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:50
Low Trigger 05/12/22, 02:00 to 06/12/22, 08:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:50
Medium Trigger 05/12/22, 10:00 to 06/12/22, 08:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:49
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:49
Medium Trigger 05/12/22, 17:00 to 06/12/22, 08:49	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:49
Medium Trigger 06/12/22, 06:00 to 08/12/22, 02:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 08:48
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	06/12/22, 09:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/22, 02:47
Low Trigger 06/12/22, 17:00 to 08/12/22, 02:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/22, 02:47
Low Trigger 06/12/22, 22:00 to 08/12/22, 02:47	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/22, 02:47
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/22, 02:47
High Trigger 07/12/22, 14:00 to 08/12/22, 02:46	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	08/12/22, 02:46
High Trigger 08/12/22, 15:00 to 11/12/22, 04:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	11/12/22, 04:19
Low Trigger 08/12/22, 18:00 to 11/12/22, 04:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	11/12/22, 04:20
Low Trigger 10/12/22, 13:00 to 13/12/22, 09:45	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	13/12/22, 09:44
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/12/22, 07:23

Low Trigger 13/12/22, 18:00 to 14/12/22, 07:23	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/12/22, 07:23
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	14/12/22, 07:23
Low Trigger 15/12/22, 03:00 to 15/12/22, 05:31	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/12/22, 05:31
Medium Trigger 15/12/22, 15:00 to 15/12/22, 18:19	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	15/12/22, 18:19
Low Trigger 16/12/22, 13:00 to 16/12/22, 13:18	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	16/12/22, 13:18
Low Trigger 17/12/22, 10:00 to 20/12/22, 02:15	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:15
Medium Trigger 17/12/22, 15:00 to 20/12/22, 02:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:14
Low Trigger 18/12/22, 20:00 to 19/12/22, 06:32	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 06:32
Low Trigger 19/12/22, 11:00 to 19/12/22, 15:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 15:21
	Other	No action required - conditions already addressed	19/12/22, 15:21
High Trigger 19/12/22, 16:00 to 20/12/22, 02:13	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 15:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	19/12/22, 15:21
	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 - sources identified	19/12/22, 15:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:12
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:12
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Other (provide comments)	20/12/22, 02:12
High Trigger 19/12/22, 23:00 to 20/12/22, 02:11	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:10
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:10
Medium Trigger 20/12/22, 10:00 to 20/12/22, 13:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 13:20
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/22, 13:20
	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	20/12/22, 13:20
Medium Trigger 20/12/22, 13:00 to 20/12/22, 14:35	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 13:21
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	20/12/22, 13:21
	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	20/12/22, 13:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 14:35
Low Trigger 21/12/22, 08:00 to 23/12/22, 18:59	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 18:59
Low Trigger 22/12/22, 13:00 to 23/12/22, 18:58	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 18:58
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 16:09
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/12/22, 16:09

Medium Trigger 23/12/22, 15:00 to 23/12/22, 16:09	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	23/12/22, 16:09
High Trigger 23/12/22, 21:00 to 23/12/22, 22:01	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 20:42
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 22:00
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	23/12/22, 22:00
Low Trigger 24/12/22, 02:00 to 24/12/22, 03:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/12/22, 02:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/12/22, 03:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/12/22, 02:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/12/22, 03:33
Medium Trigger 25/12/22, 20:00 to 27/12/22, 01:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	27/12/22, 01:28
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	27/12/22, 01:28
	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	27/12/22, 01:28
Low Trigger 26/12/22, 12:00 to 27/12/22, 19:06	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	27/12/22, 19:06
	Other	No action required - regional dust event	27/12/22, 19:06
Medium Trigger 27/12/22, 00:00 to 27/12/22, 01:28	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	27/12/22, 01:28
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	27/12/22, 05:21
Medium Trigger 27/12/22, 03:00 to 27/12/22, 05:21	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	27/12/22, 05:21
	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	27/12/22, 05:21
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 00:20
Medium Trigger 28/12/22, 00:00 to 28/12/22, 00:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 02:24
Medium Trigger 28/12/22, 02:00 to 28/12/22, 02:24	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 14:33
Low Trigger 28/12/22, 14:00 to 28/12/22, 14:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 16:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 17:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 18:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 19:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 16:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 17:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 18:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 19:29
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 18:37
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 19:29

	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 16:27
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 17:35
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 18:37
Low Trigger 28/12/22, 16:00 to 28/12/22, 19:29	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	28/12/22, 19:29
Medium Trigger 29/12/22, 17:00 to 30/12/22, 12:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/12/22, 12:50
High Trigger 30/12/22, 06:00 to 30/12/22, 12:50	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/12/22, 12:49
Low Trigger 30/12/22, 12:00 to 30/12/22, 12:49	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	30/12/22, 12:49
Medium Trigger 31/12/22, 18:00 to 31/12/22, 20:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	31/12/22, 20:13

DT3 Block 9

Trigger Time	Response	Action Taken	Action Recorded
Medium Trigger 01/12/22, 07:00 to 03/12/22, 06:20	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	03/12/22, 06:19
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	03/12/22, 06:19
	Visual observations onsite to check if there are any significant visible dust emissions in the region of the exceeding monitor	Checked for dust emissions in the area - no sources identified	03/12/22, 06:19

DT5 Northern Grounds

Trigger Time	Response	Action Taken	Action Recorded
High Trigger 19/12/22, 04:00 to 19/12/22, 06:34	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 06:33
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	19/12/22, 06:33
	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	19/12/22, 06:33
	Reduce the relevant dust producing activities or reschedule to more suitable meteorological conditions	No current activities	19/12/22, 06:33
	If dust mitigation equipment is unavailable or at fault, investigate temporary alternative management practices	Investigated temporary mitigation options	19/12/22, 06:33
High Trigger 19/12/22, 10:00 to 19/12/22, 15:22	Mobilise water cart or apply additional water sprays	Mobilised water cart	19/12/22, 06:33
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 15:22
	Ensure all routine dust management practices have been implemented	Checked controls are in place and working	19/12/22, 15:22
Low Trigger 19/12/22, 15:00 to 19/12/22, 15:21	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 - sources identified	19/12/22, 15:22
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	19/12/22, 15:20
Medium Trigger 19/12/22, 21:00 to 20/12/22, 02:12	Other	No action required - conditions already addressed	19/12/22, 15:20
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:11
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:11
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:11
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:11
	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:11
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:11
Medium Trigger 20/12/22, 02:00 to 20/12/22, 02:14	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 02:13
	Ensure all routine dust management practices have been implemented	Other (provide comments)	20/12/22, 02:13
Low Trigger 20/12/22, 14:00 to 20/12/22, 14:35	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	20/12/22, 14:35
Low Trigger 22/12/22, 04:00 to 23/12/22, 18:59	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	23/12/22, 18:59
Low Trigger 24/12/22, 03:00 to 24/12/22, 03:33	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	24/12/22, 03:33
Low Trigger 27/12/22, 02:00 to 27/12/22, 05:21	Alert relevant operators that dust levels are elevated therefore heightened awareness to sources of dust is required	Operators alerted	27/12/22, 05:21

Meteorology - Observations

No triggers during this period

Meteorology - Forecast

Trigger Time	Response	Action Taken	Action Recorded
Low Trigger 01/12/22, 18:00 to 01/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	03/12/22, 06:20
	Ensure water truck is on standby to apply water	Water truck is on standby	03/12/22, 06:20
	Pre-emptive watering of stockpiles before handling	Watering not required	03/12/22, 06:20
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	03/12/22, 06:20
Low Trigger 05/12/22, 03:00 to 05/12/22, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 02:16
Low Trigger 05/12/22, 15:00 to 05/12/22, 18:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 07:21
Low Trigger 07/12/22, 21:00 to 08/12/22, 00:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 07:22
Low Trigger 08/12/22, 18:00 to 08/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	11/12/22, 04:33
	Ensure water truck is on standby to apply water	Water truck is on standby	11/12/22, 04:33
	Pre-emptive watering of stockpiles before handling	Watering not required	11/12/22, 04:33
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	11/12/22, 04:33
Low Trigger 10/12/22, 03:00 to 10/12/22, 06:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	10/12/22, 06:01
	Ensure water truck is on standby to apply water	Water truck is on standby	10/12/22, 06:01
	Pre-emptive watering of stockpiles before handling	Watering not required	10/12/22, 06:01
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	10/12/22, 06:01
Low Trigger 10/12/22, 15:00 to 10/12/22, 18:00	Other	No action required - regional dust event	10/12/22, 06:01
Low Trigger 10/12/22, 15:00 to 10/12/22, 18:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 02:15
Medium Trigger 14/12/22, 18:00 to 14/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	16/12/22, 07:26
	Ensure water truck is on standby to apply water	Water truck is on standby	16/12/22, 07:26
	Pre-emptive watering of stockpiles before handling	Watering not required	16/12/22, 07:26
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	16/12/22, 07:26
Medium Trigger 15/12/22, 18:00 to 15/12/22, 21:00	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	16/12/22, 07:26
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	15/12/22, 18:20
	Ensure water truck is on standby to apply water	Water truck is on standby	15/12/22, 18:20
	Pre-emptive watering of stockpiles before handling	Watering not required	15/12/22, 18:20
Medium Trigger 15/12/22, 18:00 to 15/12/22, 21:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	15/12/22, 18:20
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	15/12/22, 18:20
	Additional watering if warranted	Additional watering not required	15/12/22, 18:20
Low Trigger 16/12/22, 15:00 to 16/12/22, 18:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	16/12/22, 07:27
	Ensure water truck is on standby to apply water	Water truck is on standby	16/12/22, 07:27
	Pre-emptive watering of stockpiles before handling	Watering not required	16/12/22, 07:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	16/12/22, 07:27
Low Trigger 16/12/22, 18:00 to 16/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	16/12/22, 07:27
	Ensure water truck is on standby to apply water	Water truck is on standby	16/12/22, 07:27
	Pre-emptive watering of stockpiles before handling	Watering not required	16/12/22, 07:27
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	16/12/22, 07:27
Low Trigger 17/12/22, 18:00 to 17/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No current activities	19/12/22, 06:33
	Ensure water truck is on standby to apply water	Water truck is operational	19/12/22, 06:33
	Pre-emptive watering of stockpiles before handling	Watering completed	19/12/22, 06:33
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	19/12/22, 06:33
Low Trigger 19/12/22, 06:00 to 19/12/22, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	19/12/22, 06:34
	Ensure water truck is on standby to apply water	Water truck is on standby	19/12/22, 06:34
	Pre-emptive watering of stockpiles before handling	Watering not required	19/12/22, 06:34
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	19/12/22, 06:34
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	19/12/22, 06:34

Low Trigger 19/12/22, 09:00 to 19/12/22, 12:00	Ensure water truck is on standby to apply water	Water truck is on standby	19/12/22, 06:34
	Pre-emptive watering of stockpiles before handling	Watering not required	19/12/22, 06:34
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	19/12/22, 06:34
Low Trigger 19/12/22, 15:00 to 19/12/22, 18:00	Assess potential for shifting operations to more favourable conditions	No current activities	19/12/22, 06:35
	Ensure water truck is on standby to apply water	Water truck is operational	19/12/22, 06:35
	Pre-emptive watering of stockpiles before handling	Watering completed	19/12/22, 06:35
Medium Trigger 20/12/22, 03:00 to 20/12/22, 06:00	Visual observations of site every 3 hours	Operators inspecting site for visible dust	19/12/22, 06:35
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 02:09
	Ensure water truck is on standby to apply water	Water truck is operational	20/12/22, 02:09
Medium Trigger 20/12/22, 06:00 to 20/12/22, 09:00	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 02:09
	Ensure water truck is on standby to apply water	Water truck is operational	20/12/22, 02:09
	Assess potential for shifting operations to more favourable conditions	No opportunity to shift operations	20/12/22, 02:09
Low Trigger 20/12/22, 09:00 to 20/12/22, 12:00	Ensure water truck is on standby to apply water	Water truck is operational	20/12/22, 02:09
	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	27/12/22, 19:06
Medium Trigger 28/12/22, 21:00 to 29/12/22, 00:00	Assess potential for shifting operations to more favourable conditions	No current activities	28/12/22, 18:37
	Ensure water truck is on standby to apply water	Water truck is on standby	28/12/22, 18:37
	Pre-emptive watering of stockpiles before handling	Watering not required	28/12/22, 18:37
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	28/12/22, 18:37
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	28/12/22, 18:37
	Additional watering if warranted	Additional watering not required	28/12/22, 18:37
	Assess potential for shifting operations to more favourable conditions	No current activities	28/12/22, 18:37
Low Trigger 29/12/22, 00:00 to 29/12/22, 03:00	Ensure water truck is on standby to apply water	Water truck is on standby	28/12/22, 18:37
	Pre-emptive watering of stockpiles before handling	Watering not required	28/12/22, 18:37
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	28/12/22, 18:37
	Visual observations of major stockpiles	Operators inspecting major stockpiles for visible dust	28/12/22, 18:37
	Additional watering if warranted	Additional watering not required	28/12/22, 18:37
Medium Trigger 29/12/22, 18:00 to 29/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	Shifted operations to more favourable conditions	30/12/22, 13:39
	Ensure water truck is on standby to apply water	Water truck is on standby	30/12/22, 13:39
Low Trigger 30/12/22, 18:00 to 30/12/22, 21:00	Assess potential for shifting operations to more favourable conditions	No current activities	30/12/22, 19:21
	Ensure water truck is on standby to apply water	Water truck is on standby	30/12/22, 19:21
	Pre-emptive watering of stockpiles before handling	Watering not required	30/12/22, 19:21
	Visual observations of site every 3 hours	Operators inspecting site for visible dust	30/12/22, 19:21

Visual Observations

No triggers during this period