

Dust Risk Assessment and Management Plan

Project:	Berewood Phase 4 Haul Road	Project Number:	26895
Site Address:	A3 London Road, Waterlooville, Hampshire, PO7 5LJ	Site Manager:	Sam Woodall
Date:	August 2026	Issue no:	1

RISK ASSESSMENT

Hazards Identified						
Ref	Description of Risk	Persons at risk	Likelihood	Severity	Total	Risk Rating
1	Storage of materials – Wind-blown dust and particulates from soils, aggregates and imported materials.	MCL operatives, sub-contractors, members of public.	4	3	12	High
2	Vehicle movements - Dust generation, mud and debris track-out, exhaust emissions, reduced local air quality.	MCL operatives, sub-contractors, members of public.	4	4	16	Very High
3	Excavation and earthworks - Dust plumes, wind-blown soil, loss of topsoil, sediment generation, reduced air quality.	MCL operatives, sub-contractors, members of public.	4	4	16	Very High
4	Construction activities – Dust from cutting, breaking, drilling and surfacing operations.	MCL operatives, sub-contractors, members of public.	4	2	8	Medium
5	Water run off & silt - Silt pollution of drainage systems, watercourses and attenuation features, blocked gullies.	Environment.	3	4	12	High
6	Trees & ecology – Dust deposition on vegetation, root damage, disturbance to habitats, spread of invasive species.	Environment.	4	3	12	High
7	Waste management - Wind-blown waste, dust from handling, pollution.	MCL operatives, sub-contractors, members of public.	4	2	8	Medium
8	Weather conditions - Increased dust during hot, dry or windy conditions.	MCL operatives, sub-contractors, members of public.	5	4	16	Very High

Risk Rating Table

Likelihood	5 Almost Certain	5 Medium	10 High	15 Very High	20 Very High	25 Very High
	4 Likely	4 Low	8 Medium	12 High	16 Very High	20 Very High
	3 Possible	3 Low	6 Medium	9 Medium	12 High	15 Very High
	2 Unlikely	2 Low	4 Low	6 Medium	8 Medium	10 High
	1 Rare	1 Low	2 Low	3 Low	4 Low	5 Medium
	X	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Severe
Severity						

Likelihood				
1 – Rare	2 – Unlikely	3 – Possible	4 – Likely	5 – Almost Certain
May occur only in exceptional circumstances.	Not expected but could be possible.	Could happen occasionally.	Will happen in some circumstances.	Expected to happen frequently.

Severity				
1 - Insignificant	2 - Minor	3 - Moderate	4 - Major	5 - Severe
No injury or very minor discomfort. Negligible damage, or no significant disruption, no environmental impact.	Minor injury requiring first aid treatment, minor damage, or short-term disruption, minimal environmental harm.	Lost time injury, reportable incident, significant damage, or operational disruption, localised environmental damage.	Major injury, permanent harm, major damage, or serious disruption, on / off-site environmental harm.	Fatality, multiple serious injuries, catastrophic damage, or major business interruption, severe / wide reaching environmental impact.

Control Measures

Ref	Risk Assessment Control Measures	Residual Risk Rating
1	<ul style="list-style-type: none"> Stockpiles shall be kept to the minimum practicable height and volume to reduce the potential for wind-blown dust. Stockpiles shall be positioned away from sensitive receptors, including residential properties, public highways, drainage features and watercourses, wherever reasonably practicable. Stockpiles shall be regularly dampened during dry, warm or windy weather conditions to suppress dust. Fine materials, such as sand and dry soils, shall be covered or otherwise protected where practicable, particularly if stored for extended periods or during periods of high winds. Stockpiles shall be managed to minimise disturbance, with unnecessary handling avoided to reduce dust generation. 	Low
2	<ul style="list-style-type: none"> Designated vehicle routes shall be clearly defined, appropriately maintained, and used by all site vehicles at all times. A maximum site speed limit of 10 mph shall be implemented and enforced to minimise dust generation. A wheel wash facility shall be provided at the site exit, with wash waters reasonably controlled. A mechanical road sweeper shall be deployed as necessary to maintain the cleanliness of the site access and adjoining public roads. All vehicles transporting loose or fine materials shall have their loads securely covered before leaving the site. The site layout shall be planned so that machinery and dust causing activities are located away from receptors, as far as is practicable. 	Medium

3	<ul style="list-style-type: none"> - Water suppression measures, including the use of water bowsers or sprays, shall be implemented as necessary to control dust generated during earthworks and excavation activities. - Areas of exposed ground shall be kept to the minimum practicable extent, with works programmed to reduce the period that soils remain uncovered. - Stockpiles of excavated material will be managed to minimise dust, including dampening or covering fine materials where necessary. - Weather conditions will be monitored throughout the works, with additional dust control measures introduced during dry, hot or windy conditions. Dust-generating activities will be reduced or temporarily stopped if effective control cannot be maintained. - Disturbed areas will be reinstated or stabilised as soon as practicable following completion of the works to reduce the risk of dust and erosion. - Regular site inspections will be undertaken to check that dust control measures remain effective, with additional mitigation implemented where required. 	Medium
4	<ul style="list-style-type: none"> - Dust-generating activities such as cutting, drilling, breaking and sawing will be kept to a minimum where practicable and carefully planned to reduce impacts on nearby residents and road users. - Water suppression and / or on-tool dust extraction will be used during cutting, drilling and sawing operations to minimise airborne dust. - Solid screens or barriers to be erected around dusty activities or around the site boundary. - Equipment and plant will be maintained in good working order to ensure dust control systems operate effectively. - Materials will be handled carefully to minimise dust generation, avoiding unnecessary dropping or disturbance. - Work areas will be kept clean and free from excessive accumulations of dust and debris through regular housekeeping. - Where practicable, particularly dusty activities will be scheduled to avoid periods of high winds or times of increased public activity. - Operatives will stop work and implement additional dust suppression measures if excessive dust is observed leaving the immediate work area. - Appropriate respiratory protective equipment (RPE) will be provided and worn where required in accordance with the task-specific COSHH assessment. 	Low
5	<ul style="list-style-type: none"> - Areas of exposed ground to be kept to a minimum and earthworks carried out in phases where possible. - Silt fences, drain protection or other suitable silt control measures will be installed where there is a risk of run off entering surface water drains or watercourses. - Existing gullies and drainage systems to be protected from silt and debris during the works. - Soils and excavated materials will be stored away from drains, ditches and watercourses wherever possible. - Water used for dust suppression will be used carefully to avoid creating excessive surface water run-off. - Drainage systems and silt control measures to be inspected regularly, particularly after periods of heavy rainfall. Any build-up of silt or debris to be removed. - Equipment shall be readily available on site to clean any dry spillages, and spillages shall be cleaned up as soon as reasonably practicable after the event using wet cleaning methods. - Fuels, oils and other hazardous materials will be stored in designated bunded areas away from drains and watercourses. - Concrete washout will be carried out in designated areas, and wash water will not be allowed to enter drains or watercourses. - Any signs of silt entering the drainage system or nearby watercourses will be reported to the Site Manager immediately, and work will stop until suitable controls are in place. 	Low
6	<ul style="list-style-type: none"> - Dust-generating activities will be controlled to minimise dust deposits on adjacent trees, vegetation and ecological habitats. - Water suppression will be used where necessary during dry or windy conditions to prevent dust migrating beyond the working area. 	Low

	<ul style="list-style-type: none"> - Vehicle movements will be restricted to designated haul routes to minimise the generation and spread of dust. - Exposed soils will be kept to a minimum, with disturbed areas reinstated as soon as practicable. - Regular visual inspections will be undertaken to identify excessive dust accumulation on nearby vegetation, with additional mitigation implemented where required. - Dust-generating activities will be reduced or suspended during periods of high winds and dry conditions where there is a risk of affecting adjacent ecological receptors. 	
7	<ul style="list-style-type: none"> - Construction waste will be managed to minimise the generation and spread of dust during handling, storage and transportation. - Waste materials will be placed directly into designated skips or containers wherever practicable to avoid unnecessary handling. - Skips containing fine or dusty materials will be covered when not in use and prior to removal from site. - Waste stockpiles will be kept to the minimum practicable size and dampened during dry or windy conditions where dust generation is likely. - Regular housekeeping will be undertaken to prevent the build-up of dust and loose debris across the site. - Waste will be removed from site regularly to prevent excessive accumulation and reduce the potential for wind-blown material. - Burning of waste on site will not be permitted. - Any dust generated during waste handling will be controlled using appropriate suppression measures, including water spray where necessary. 	Low
8	<ul style="list-style-type: none"> - Weather conditions will be monitored daily, with additional dust suppression measures implemented when conditions are identified as increasing the risk of dust emissions. - Water suppression will be increased during dry or windy periods to reduce the potential for dust becoming airborne. - Dust-generating activities may be halted, modified or reduced if effective control cannot be maintained. - Regular site inspections will be undertaken during adverse weather conditions to ensure mitigation measures remain effective and to identify any additional controls required. 	Medium

Score	Rating	Suggested Action
1-4	Low	Acceptable with existing controls. Monitor and review if conditions change.
5-9	Medium	On-going monitoring, additional controls should be considered should the existing controls prove to be ineffective.
10-12	High	Controls are inadequate. Specific further action is needed. Work may need to be paused or modified until controls are improved.
15-25	Very High	Stop the activity. Significant remediation needed before work resumes.

Residual Risk Rating Table

METHOD STATEMENT

Overview

This method statement applies to all construction activities carried out by Mildren Construction that have the potential to generate dust, including earthworks, excavation, material handling, vehicle movements and general construction operations.

The aim is to minimise dust generated by the works, reduce any impact on operatives, nearby residents, road users, the surrounding environment, and prevent pollution of air, land and water.

This Dust Risk Assessment and Management Plan should be read in conjunction with the Construction Environmental Management Plan (CEMP), which sets out the overarching environmental management requirements and mitigation measures applicable to the project.

Site Induction and Competency Requirements

All operatives, upon first arriving on site, will:

- Sign in and attend a site induction delivered by the Mildren Construction site manager.
- Sign the Induction Register and complete a Site Induction Record.
- Read, understand, and sign this Risk Assessment and Method Statement (RAMS).
- Be briefed on and comply with all applicable Traffic Management Plans and site-specific controls.
- Ensure all required Permits to Work are issued prior to commencing relevant activities.

No operative shall commence work without completing the above requirements.

Site Safety Requirements

- Mandatory PPE for all personnel includes:
 - Hard Hat (EN397)
 - High Visibility Clothing (EN ISO 20471)
 - Safety Boots (EN ISO 20345)
- Additional PPE must be worn as required as specified within the task specific risk assessment for the activity being undertaken.
- No vehicles are to reverse on site without the supervision of a trained banksman.
- All plant and operators must be competent and authorised for use on site.

Air Quality & Dust Control Measures

The primary objective is to suppress dust at source before it becomes airborne.

- **Water Suppression:** Mobile water bowsers will be used during dry, hot, or windy conditions.
- **Speed Control:** A strict 10 mph speed limit will be enforced on all unpaved surfaces to minimise dust track-out.
- **Vehicle Cleaning:** Wheel wash facilities shall be provided at site exits to prevent mud and dust leaving the site.
- **Haul Roads:** Where practicable, haul roads shall be surfaced or capped with clean aggregate or tarmac as early as possible.
- **Dust Monitoring:** Visual monitoring shall be undertaken daily, with additional controls implemented where dust is observed leaving site boundaries.

Material Storage

- Stockpiles shall be located away from site boundaries, residential receptors, and watercourses where practicable.
- Stockpile heights shall be minimised to reduce wind-blown dust.
- Stockpiles shall be covered (e.g. tarpaulins) or dampened during dry or windy conditions.

Waste Management

- All waste shall be stored in designated, covered skips.
- Burning of waste on site is strictly prohibited.
- Waste shall be segregated into appropriate streams (e.g. wood, metal, general waste, hazardous waste).
- Waste will be removed from site regularly to prevent accumulation and dust generation.
- Equipment will be readily available on site to clean any dry spillages, and spillages shall be cleaned up as soon as reasonably practicable after the event using wet cleaning methods to prevent dust becoming airborne.

Water Provision

Water for dust suppression will be provided through the connection of a supply to the mains source, where possible. Where not available to be feasibly connected the supply will be taken from a metered standpipe supply.

Supply will be used to both serve the welfare facilities and dust suppression measures. IBC cubes will be utilised to hold water where a main connection cannot be established. These will be refilled as required by usage.

Monitoring and Reporting

To ensure effectiveness of dust controls:

- Daily visual inspections shall be carried out by the Site Manager, including recording dust levels and weather conditions.
- Where control measures are observed to be insufficient to prevent dust leaving the site boundary, boundary monitoring may be implemented using PM10 monitoring equipment where required, with alerts sent to the site manager's phone..
- A dedicated contact number will be made available for residents to report any issues or concerns.

Complaints

- All dust and air quality complaints are to be recorded in the site environmental log.
- Investigations will identify likely causes and corrective actions taken.
- Records of any exceptional incidents that cause dust and/or air emissions, either on or off-site will be recorded along with actions taken.
- The complaints log shall be made available to the Local Authority upon request.

Environmental Management

This method statement is a live document. If site conditions change (e.g. prolonged dry weather, changes in construction methodology, or increased receptor sensitivity), mitigation measures shall be reviewed and updated accordingly.

Emergency Response Procedure

In the event of a significant dust event or environmental incident:

- **Stop Work:** Cease the activity causing the issue immediately where safe to do so.
- **Suppress/Contain:** Apply water suppression or containment measures as appropriate.
- **Notify:** Inform the Site Manager immediately.
- **Escalate:** If dust or pollutants leave the site boundary, notify the Local Authority or relevant environmental regulator if required.
- **Record:** Document the incident and corrective actions in the site environmental log.