



Havant Thicket Reservoir

Dust Control Method Statement

Main Pipeline Works – Phase 1 (Bedhampton)

30/07/2026 | Rev: P07

Document Reference: HTR-RHD-PS-BP-MS-Z-0001



Document Control

Revision	Date	Author	Reviewer	Approver	Details of Amendments (Include CEMAR Ref if applicable)
P01	04-12-2025	AH	FUW	FUW	First draft
P02	08-12-2025	AH	FUW	FUW	Revised following review by FW document controller
P03	09-12-2025	AH	FUW	FUW	Revised following review by FW document controller
P04	06-05-2026	AH	FUW	FUW	Revised following review by FW
P05	12-05-2026	AH	FUW	FUW	Revised following review by FW
P06	20-05-2026	AH	FUW	FUW	Revised following further review by FW
P07	30-07-2026	AH	FUW	FUW	Revised following review by PW

Contents

1	Introduction	4
1.1	Purpose of the Document	4
1.2	Planning Permissions	4
2	Summary of Dust Generating Activities	5
3	Potential Receptors of Dust.....	6
4	General Controls During Works.....	7
4.1	Highway access to the site.....	7
4.2	Vehicles and mobile plant	7
4.3	Dust control measures	7
4.4	Management of site operations, monitoring and recording	12
4.4.1	Site Environmental Representative	12
4.4.2	Daily environmental inspections	12
4.4.3	Site monitoring and recording	12
	Appendices	15
	Appendix A: Dust Management Toolbox Talk Poster [Example]	16
	Appendix B: Bedhampton Daily Environment Check Form – Statutory Nuisance Management.....	17
	Appendix C: Bedhampton Off-Site Dust and Noise Monitoring Form	18

1 Introduction

The Havant Thicket Reservoir Scheme was granted outline planning permission by Havant Borough Council and East Hampshire District Council in October 2021 (refs. APP/20/00990 and 51680/001 respectively). The applications were supported by an Environmental Statement (ES) (Havant Thicket Reservoir Project, Atkins, 2020) which reported the findings of the Scheme's Environmental Impact Assessment (EIA).

Subsequently, in September 2025, a new pipeline planning permission (ref. APP/24/00405) was granted by Havant Borough Council (HBC) for the development of new pipelines to transfer water between Bedhampton Springs and Havant Thicket Reservoir, a new plant at Bedhampton Pumping Station, modifications to the Bedhampton 2 operational building and permanent diversion of Footpath 34 at Bedhampton Pumping Station.

This new pipeline permission results from changes in the approach, pipeline route and design necessitating a new planning approval, and as a result a revised Environmental Statement (ES) was submitted which considered these changes.

To enable discharge of conditions against this permission, the work areas have been split into 10 phases, as per the Main Pipeline Works Phasing Plan (ref. HTR-WAB-PI-ZZ-PL-W-0006) submitted under APP/25/00796. This document relates to Phase 1 of these phases, which covers works at the Bedhampton Pumping Station site.

1.1 Purpose of the Document

This Dust Control Method Statement has been prepared by Future Water MJJV Ltd in support of the proposed works at Bedhampton Pumping Station (herein referred to as 'the Site'). The Site is located approximately 1km from Havant and adjacent to the Bedhampton railway station.

This document outlines the measures to be taken to reduce the generation of dust at the Bedhampton Site during construction. If not adequately controlled, dust emissions from the works could lead to increases in dust concentrations beyond the Site boundary, which may affect local amenity and influence local air quality. This could have a detrimental effect on people's health including the workforce and the local community.

1.2 Planning Permissions

The document will be submitted to the Local Planning Authority (Havant Borough Council), as per Condition 32 of planning permission APP/24/00405.

Condition 32 of planning permission APP/24/00405 states:

No development (including demolition and site clearance) shall take place until a Dust Control Method Statement has been submitted to and approved in writing by the Local Planning Authority. The Dust Control Method Statement shall include, but not be limited to:

- i. A summary of the dust-generating activities (e.g., demolition, earthworks, material handling).*
- ii. Mitigation measures to control dust emissions, such as:*
- iii. Dust suppression techniques (e.g., water spraying or damping down).*
- iv. Covering or sheeting of stockpiles and vehicles transporting loose materials.*
- v. Wheel washing for vehicles leaving the site.*
- vi. Limiting vehicle speeds on unpaved site roads.*
- vii. Procedures for monitoring visible dust emissions during works.*

viii. *Identification of a site representative responsible for dust management and mitigation.*

The approved Dust Control Method Statement shall be implemented during the construction works.

Further details of the Site and proposed work are provided within the following documents, prepared to discharge separate conditions, these are as follows:

Condition 20	Pollution Management & Mitigation Plan	HTR-RHD-PS-BD-RP-Z-0001
Condition 27	Noise & Vibration Monitoring	HTR-RHD-PS-BP-RP-Z-0003
Condition 33	Details of Works Areas/Compounds	HTR-FUW-ZZ-BP-PL-T-1586

Planning permission was granted based on several environmental actions and commitments made in the revised 2024 ES which accompanied the planning application for the new Pipeline scheme connecting Bedhampton Pumping Station to the Havant Thicket Reservoir.

The Register of Environmental Actions and Commitments (REAC) captures these actions which are required to be adhered to at the pre-construction, construction and operation stages.

Table 1 presented in **Section 4.3** of this document reproduces those REAC commitments that are required to be adhered to as they relate to works within the scope of this Method Statement.

2 Summary of Dust Generating Activities

Construction activities that have the potential to generate and / or re-suspend dust and particulates (PM10 and PM2.5) include:

- Site clearance and preparation, including demolition activities;
- Works within the buildings, dust in a confined space;
- Preparation of temporary access/ egress to the Site;
- Materials handling, storage, stockpiling, spillage and disposal;
- Movement of vehicles and construction traffic within the Site; and
- Exhaust emissions from Site plant.

The level and distribution of construction dust emissions will vary according to factors such as the type of dust, the duration and location of dust-generating activities, weather conditions and the effectiveness of suppression methods.

The works at the Site involve:

- Upgrades to Bedhampton building no.1, including the use of a generator for emergency/ back-up power, transformer and fuel tank;
- Demolition and improvements to Bedhampton building no.2 including external pipework, both above and below ground;

- Removal of trees and other vegetation (as identified within the Revised Pipeline Arboricultural Impact Assessment Report (Atkins Doc No.: HTR-ATK-ZZ-ZZ-RP-H-0089); and
- The diversion of Public Right of Way no. 34 to a new location along the northern bank of the Hermitage Stream and construction of a new footbridge.

A temporary construction compound will be required on the Site which will contain a canteen, drying rooms, stores, offices/ meeting rooms and a temporary car park.

3 Potential Receptors of Dust

Receptors potentially receptive to dust pollution include:

- Workforce (operatives and staff);
- Other contractors on site;
- People within/ outside local properties;
- Flora and fauna; and
- People using the Public Right of Way (which will be diverted during construction).

The Site is partly surrounded by residential housing to the north of the existing Bedhampton railway line, including properties on King's Croft Lane and Chadswell Meadow. Properties are also located along and adjacent to Meyrick Road to the east. An industrial estate is located to the south-east of the Site (refer to **Figure 1**).

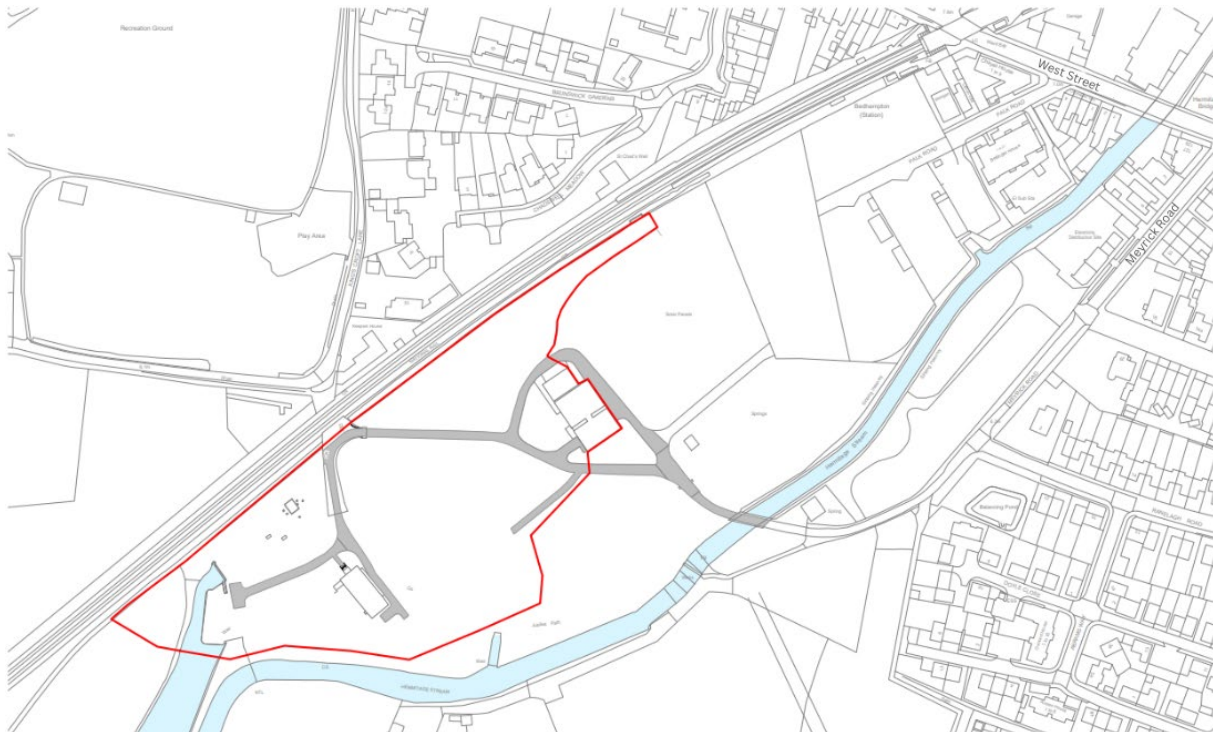


Fig. 1 – Bedhampton Pumping Station - Site Location

4 General Controls During Works

4.1 Highway access to the site

Access to the Site for all site workforce and materials delivery vehicles, as well as all plant and equipment, will be via the existing Meyrick Road, which is surfaced with bituminous material. The number of daily HGV movements will be managed in accordance with the traffic management plan for the Site. Delivery routes will be established with all suppliers who will enter into a traffic routing agreement. Suppliers will be sent a map showing the designated access routes that must be followed during the works.

4.2 Vehicles and mobile plant

All vehicles used on site will be regularly maintained to minimise exhaust emissions. All plant and vehicles will follow the Site traffic management plan. Site speed limits will be limited to 10mph. Site management will ensure that all vehicles, including HGVs, are checked when entering and leaving site for the presence of mud and/or debris. HGVs will also be checked to ensure they are covered to keep dust to a minimum.

Vehicles both entering and exiting the site, that are deemed to have the presence of dust, mud and/or debris will be directed to the wheel wash area. This area will also be maintained by a road sweeper to prevent dust, mud and/or debris build up to ensure the cleanliness of the surrounding existing road network.

4.3 Dust control measures

The dust control measures set out in **Table 1** will be applied throughout the implementation of works under this Method Statement.

The dust control measures have been developed during the outline design stage to mitigate the potential environmental effects of the new Pipeline works, including those works at the Bedhampton Site, as part of the environmental impact assessment reported in the revised 2024 ES.

The dust control measures listed in the Register of Environmental Actions and Commitments (REAC) in the 2024 ES are reproduced in **Table 1** and are detailed under the following headings:

- Site management;
- Site monitoring;
- Site preparation and maintenance;
- Site operating vehicles and site machinery;
- Waste management;
- Storage of site materials; and
- Procedures relating to vehicle track-out.

With appropriate mitigation measures in place, any adverse effects resulting from the construction works will be minimised such that there will be no significant residual effects on receptors.

Table 1: Register of Environmental Actions and Commitments (REAC) (Source: Havant Thicket Reservoir ES, 2024)

2024 ES Reference	Objective	Actions/ commitments
CH7	To limit and control emissions to air during construction to avoid direct and indirect impacts on Community and ecological receptors.	<p>Works will be carried out in accordance with the Best Practicable Means, as described in Section 79 (9) of the Environmental Protection Act (EPA) 1990, to reduce fumes or emissions which may impact upon air quality.</p> <p>Selected mitigation measures given in the IAQM Construction Dust Guidance which are applicable to high risk construction sites are described below.</p> <p>Mitigation measures include:</p> <p>Site Management:</p> <ul style="list-style-type: none"> Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken. Make the complaints log available to the local authority when asked; and Record any exceptional incidents that cause dust and/or air emissions, either on- or off- site, and the action taken to resolve the situation in the logbook. <p>Site Monitoring:</p> <ul style="list-style-type: none"> Carry out regular site inspections to monitor compliance with the Dust Control Method Statement, record inspection results, and make an inspection log available to the local authority when asked. Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.

2024 ES Reference	Objective	Actions/ commitments
		<p>Preparing and Maintaining the Site:</p> <ul style="list-style-type: none"> Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is practicable; Erect solid screens or barriers around dusty activities or the site boundary that are at least as high as any stockpiles on site; Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period; Avoid site runoff of water or mud; Keep site fencing, barriers and scaffolding clean using wet methods; Remove materials that have a potential to produce dust from site as soon as practicable, unless being re-used on site. If they are being re-used on-site cover as described below; and Cover, seed or fence stockpiles to prevent wind whipping. <p>Operating Vehicle/ Machinery:</p> <ul style="list-style-type: none"> Ensure all vehicles switch off engines when stationary - no idling vehicles; Avoid the use of diesel- or petrol-powered generators and use mains electricity or battery powered equipment where practicable. <p>Site Operations:</p> <ul style="list-style-type: none"> Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems;

2024 ES Reference	Objective	Actions/ commitments
		<ul style="list-style-type: none"> • Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where practicable and appropriate; • Use enclosed chutes and conveyors and covered skips; • Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate; and • Ensure equipment is readily available on site to clean any dry spillages, and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods. <p>Waste Management:</p> <ul style="list-style-type: none"> • Avoid bonfires and burning of waste materials. <p>Measures Specific to Construction:</p> <ul style="list-style-type: none"> • Ensure sand and other aggregates are stored in bunded areas, where practicable, and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place. <p>Measures Specific to Trackout:</p> <ul style="list-style-type: none"> • Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site. This may require the sweeper being continuously in use; • Avoid dry sweeping of large areas; • Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport;

2024 ES Reference	Objective	Actions/ commitments
		<ul style="list-style-type: none"> • Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable; • Record all inspections of haul routes and any subsequent action in a site log book; • Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned; • Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable);and • Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits.

4.4 Management of site operations, monitoring and recording

4.4.1 Site Environmental Representative

The Future Water Site Environmental Representative will be Kim Tickner who will be responsible for management of dust on the Site (contact details are provided in **Table 2**).

Table 2: Site Environmental Representative

Name and Role	Organisation	Contact Details
Kim Tickner Site Environmental Representative	Future Water	kimberley.tickner@mackley.co.uk Havant Thicket Reservoir Project Office, Havant Road, Rowlands Castle, Hampshire, PO9 6FF

Alongside monitoring responsibilities, the Site Environmental Representative will provide training to the construction site staff which will include the use of toolbox talks on the environmental impacts of dust and using appropriate dust suppression techniques. During a toolbox talk a verbal briefing is given relevant to the ongoing site activities and current mitigation measures. This is accompanied by a poster similar to that provided in **Appendix A**.

4.4.2 Daily environmental inspections

Daily environmental inspections of the works will take place by the Site Environmental Representative. The findings of these inspections and any associated actions will be appropriately documented on the daily site environmental checklist, using the Future Water form 'Bedhampton Daily Environment Check Form - Statutory Nuisance Management'. An example form is shown in **Appendix B**.

Copies of the environmental inspection reports will be kept with the Future Water project records team.

4.4.3 Site monitoring and recording

In addition to the daily environmental inspections, dust and noise site monitoring will be undertaken to measure the effectiveness of environmental controls and implementation of this Method Statement.

A fixed dust monitoring station (measuring dust particles PM10 and PM2.5) will be installed on site during periods where there is likely to be more dust-generating activities undertaken, such as excavation and building demolition. The fixed dust monitoring station will be located on the south western boundary of the site, as shown in Figure 2.

Continuous dust monitoring will enable Future Water to react in real time to minimise dust emissions and the risk of nuisance to neighbours, whilst allowing work to continue uninterrupted.

The Institute of Air Quality Management (IAQM) 'Guidance on Monitoring in the Vicinity of Demolition and Construction Sites' recommends the following site action levels for PM10 :

190 µg/m³, averaged over a 1-hour period. The IAQM Guidance will be used as the trigger level for the site.

A Pambry Handheld dust monitor (which measures dust particles of PM₁₀ and PM_{2.5}) will also be used to check daily off-site dust levels at the closest residential receptor areas. The locations of the handheld dust monitoring points are provided in **Table 3** and **Figure 2**.

Table 3: Locations of Handheld Dust Monitoring Sites

Receptor	X Coordinate	Y Coordinate	Distance from site boundary (m)
Keepers House	470496	106383	18
10 Chadswell Meadows	470530	106411	18
Bridge House	470293	106333	110
7 Doyle House	470772	106292	162
Old Mill House	470333	106085	170



Fig. 2 – Map showing locations of handheld dust monitoring sites and fixed dust monitoring station

The daily off-site dust checks will be recorded using the Future Water form 'Bedhampton Off-site Dust and Noise Monitoring'. An example form is shown in **Appendix C**.

Copies of the site monitoring reports will be kept with the Future Water project records team.

In the unlikely event that the dust monitoring results are outside of the expected range and are directly attributable to the Site works (i.e. are influenced by factors under the direct control of the Site, the following procedures will be implemented:

If dust levels breach, work will be stopped, and the suitable dust suppression methods will be implemented. The dust levels will be monitored and once they return to safe levels, work can continue as usual. Following the breach, dust will be monitored frequently and recorded within the Dust Monitoring Form on FW's internal document management system - Autodesk Construction Cloud (ACC) which will include:

- An analysis possible causes for the non-conformance;
- A site visual inspection by the Future Water Site Environmental Representative;
- Advising relevant personnel of the issue;
- Identifying and agreeing on actions to resolve or mitigate the event;
- Implementing actions to rectify or mitigate the event; and
- An internal review of procedures to ensure all measures that are practical are being implemented.

Appendices

Appendix A: Dust Management Toolbox Talk Poster [Example]

Appendix B: Bedhampton Daily Environment Check Form – Statutory Nuisance Management

Appendix C: Bedhampton Off-Site Dust and Noise Monitoring Form

Appendix A: Dust Management Toolbox Talk Poster [Example]



Future Water

MJJV Ltd



Alert
Bulletin
Best Practice
Lessons Learnt
Toolbox Talks

Environmental impacts of dust on site

Moving dry materials—like sand, soil, aggregates, or cement—can create airborne dust that poses health risks, reduces visibility, and contributes to a messy, unsafe site. Therefore, it is vital that we manage this risk effectively.

Common dust generating activities

- Dumping dry materials (sand, gravel, soil)
- Loading/unloading trucks
- Stockpiling or spreading fill
- Driving over unsealed, dry ground
- Wind blowing over open material piles



Environmental hazards of dust

- Reduced air quality
- Dust pollution spreading offsite which could cause nuisance to nearby communities
- Dust can settle on soil, altering pH levels
- Sedimentation increased in nearby water bodies, harming aquatic life



Prevention and control measures

- Wet down materials
- Cover materials when transporting
- Use water trucks to suppress dust on haul roads
- Enforce speed limits
- Position piles to reduce wind exposure

Appendix B: Bedhampton Daily Environment Check Form – Statutory Nuisance Management

Form detail

#7967: FW-FM-219 Bedhampton Daily Environment Check - Statuary Nuisance Management



Forms

Location

Form date 12 May 2026

Template FW-FM-219 Bedhampton Daily Environment Check - Statuary Nuisance Management

Description

Due date

Created by Kimberley Tickner

Status In progress

Last update 12 May 2026, 13:54 BST

Last updated by Kimberley Tickner

Included references Assets | Files | Forms | Issues | Photos | File packages | Sheets | Submittals | RFIs | PCOs | Schedule activities

Supporting information

Daily Environment Check - Statuary Nuisance Management

1. Dust Management

1.1 Is there dust accumulating on surfaces?

☐ Yes

☐ No

1.2 Is dust spreading beyond the immediate area of origin?

☐ Yes

☐ No

1.3 Is dust contaminating vegetation or other environmental features?

☐ Yes

☐ No

1.4 Are dust control measures being utilized?

☐ Yes

☐ No

1.5 Are dust control measures effective in reducing dust spread?

☐ Yes

☐ No

1.6 Are additional dust control measures required?

☐ Yes

☐ No

1.7 Are dust levels being monitored regularly?

☐ Yes

☐ No

2. Noise Management

2.1 What is the general noise level in the area today?

☐ High

☐ Moderate

☐ Low

2.2 Are the noise levels consistent with the typical operations for this time of day?

☐ Yes

☐ No

2.3 Is there any loud or persistent noise present in the area?

☐ Yes

☐ No

2.4 Are there noise mitigation measures in place?

☐ Yes

☐ No

2.5 Are there any repairs or maintenance that is required on noise reduction equipment?

☐ Yes

☐ No

2.6 Are there any additional noise control measures required based on today's observations?

3. Inspection Details

3.1 Any other comments?

Signature

-

Appendix C: Bedhampton Off-Site Dust and Noise Monitoring Form

Form detail

#7968: FW-FM-212 Bedhampton Off-site Dust and Noise Monitoring



Forms

Location

Form date 12 May 2026

Template FW-FM-212 Bedhampton Off-site Dust and Noise Monitoring

Description

Due date

Created by Kimberley Tickner

Status In progress

Last update 12 May 2026, 13:56 BST

Last updated by Kimberley Tickner

Included references Assets | Files | Forms | Issues | Photos | File packages | Sheets | Submittals | RFIs | PCOs | Schedule activities

1. Off-Site Monitoring

1.1 Location

1.2 Time of inspection

This monitoring should take place during the working day. Inspection observations should not be completed at the beginning or end of the day as potential dust raising sources are not active.

1.3 Prevailing weather conditions at the time of inspection

1.4 Site activities that are currently being undertaken at the time of inspection

Please state if any demolition or work in confined spaces is being carried out today, and add any additional measures being implemented in the notes.

1.5 Dust reading from Pambry handheld monitor

1.6 Photo evidence

☐

Yes

☐

No

☐

N/A

1.7 Noise reading from Pambry handheld monitor

2. Off-Site Monitoring

2.1 Location

2.2 Time of inspection

This monitoring should take place during the working day. Inspection observations should not be completed at the beginning or end of the day as potential dust raising sources are not active.

2.3 Prevailing weather conditions at the time of inspection

2.4 Site activities that are currently being undertaken at the time of inspection

Please state if any demolition or work in confined spaces is being carried out today, and add any additional measures being implemented in the notes.

2.5 Dust reading from Pambry handheld monitor

2.6 Photo evidence

☐

Yes

☐

No

☐

N/A

2.7 Noise reading from Pambry handheld monitor

3. Off-site monitoring

3.1 Location

3.2 Time of inspection

This monitoring should take place during the working day. Inspection observations should not be completed at the beginning or end of the day as potential dust raising sources are not active.

3.3 Prevailing weather conditions at the time of inspection

3.4 Site activities that are currently being undertaken at the time of inspection

Please state if any demolition or work in confined spaces is being carried out today, and add any additional measures being implemented in the notes.

3.5 Dust reading from Pambry handheld monitor

3.6 Photo evidence

☐

Yes

☐

No

☐

N/A

3.7 Noise reading from Pambry handheld monitor

4. Comments

4.1 Any other comments

5. Sign off

Signature

-