READConstruction

DUST MANAGEMENT PLAN

Site	Ysgol I D Hooson
Address	Heol Caradoc, Rhosllanerchrugog, Wrexham, LL14 2DS
Project	Extension & Refurbishment
Application Ref	P/2025/0337

0.0 Introduction

This document has been prepared to discharge the pre-commencement condition for the extension and refurbishment project at Ysgol I D Hooson, Rhosllanerchrugog:

> *10. No development shall take place until a Dust Management Scheme has been submitted to, and approved in writing by, the Local Planning Authority. The approved Dust Management Scheme shall be implemented for the entire duration of the construction phase.*

The primary objective of this specific Dust Management Plan is to isolate construction-related emissions from the active teaching environments, playing fields, and access routes used by children, staff and neighbours of Ysgol I D Hooson.

This plan complies with the following legislation and guidance:

- The Health and Safety at Work etc. Act 1974
- The Control of Substances Hazardous to Health Regulations 2002 (COSHH)
- IAQM Guidance on the Assessment of Dust from Demolition and Construction.

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1.0 Site Risk Assessment

- Identifying who is at risk:

	Tick:	Details if required:
Read Operatives	✓	
Subcontractors	✓	
Client's Employees	✓	School staff
Neighbouring Properties	✓	
Vulnerable People	✓	Children
Site Visitors	✓	
Other		

- Identifying high-risk activities:

	Tick:	Details if required:
Excavations (exposed earth)	✓	New foundations, extended MUGA
Dry Mixing Powders/Aggregates	✓	
Demolition	✓	Demountable units, breakthroughs
Cut-off Saw / Disc Cutting	✓	
Temporary haul road	✓	
Grinding	✓	
Wall Chasing		
Sandblasting		
Mortar Raking		
Core Drilling		
Other		

- Initial Risk Assessment (Likelihood x Severity = Risk)

Risk		L	S	R
1	Ill-health due to inhalation of construction dust	3	5	15
2	Air pollution due to construction dust	3	5	15
3	Nuisance caused by construction dust	3	4	12

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2.0 High-Sensitivity School Safeguarding Measures

Planning & Scheduling

- High dust-generating activities (e.g. structural breaking, mechanical demolition of demountable frames, or extensive ground excavations) must be scheduled outside of protected hours (see below).
- Protected Hours (Zero High-Dust Activity)
    - 08:30 – 09:15 (Morning drop-off and arrival)
    - 11:45 – 13:15 (Lunch break and outdoor play)
    - 15:00 – 15:45 (Afternoon dismissal)
    - All times to be verified with the school – Subject to change.
- The mechanical separation and breakthrough of the existing school building walls to create the new extension connection points will be undertaken during school holidays to eliminate child exposure.

Breakthrough/Connection Points

Unventilated or enclosed areas can cause significant recirculating dust accumulation. To prevent dust from affecting indoor air quality within the live school building during structural connection works, the following controls will apply:

- Air-Tight Dust Enclosures: Before any minor structural demolition occurs at the connection points, a floor-to-ceiling sealed partition will be erected. The partition must include a finished face on the live school side to prevent risk of injury to the children/staff.
- Negative Pressure Environment: Where practical, portable extraction units will be used within the immediate internal work zone to pull air away from the active school corridors, maintaining a negative pressure envelope within the construction area. This will draw air flow away from the live school.
- Isolating Ventilation: Mechanical subcontractor will be instructed to isolate and seal off any mechanical ventilation in refurbishment areas to prevent construction dust from migrating through uncontrolled ducting.

Enhanced Physical Barriers

- Standard block & mesh fencing will be used for most of the construction boundary. Select areas will be upgraded to solid hoarding to provide both a physical barrier and a windbreak to stop ground-level dust drift.
- Any scaffolding erected for the timber frame extensions directly adjacent to the active school building must be entirely clad in fire-retardant debris/dust netting. Netting will also be attached to mesh fencing where required.

Strict Material Controls

- No dry mechanical cutting of stone, paving slabs, brickwork, or timber is permitted on site. All masonry saws must be hooked up to a continuous water-feed attachment and/or on-tool extraction.
- Timber frame components should arrive pre-cut. Any incidental trimming or drilling of timber or plasterboard on site must use tools equipped with on-tool extraction.

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3.0 Site Rules & Controls

General Prohibitions

- Absolutely no burning of waste materials (timber, packaging, clearing debris) is permitted on site under any circumstances.
- Dry sweeping is prohibited. Use wet vacuuming or damp sweeping methods instead.
- Locate dust-generating activities (e.g. a designated stone-cutting area) as far away from sensitive neighbouring boundaries as practically possible.
- Ensure aggregate deliveries are kept sheeted until required.
- Groundworks will be supported with water suppression to prevent dust becoming airborne. The site will be dampened down with sprayed water for the duration of resurfacing/excavation works to keep the production of dust to a minimum. A towable bowser will be provided which will dowse exposed surfaces when towed.
- Any external activities (e.g. cutting) which foreseeably cause dust will be supported with dust suppression equipment.
- Any internal activities which foreseeably cause dust will be supported with dust extraction equipment.
- Materials will *not* be treated (e.g. crushed, screened) on site to reduce the risks. Materials will be sorted into waste categories as efficiently as possible, with further segregation of mixed skips off site where required.

Live-School Prohibitions

- Delivery vehicles, concrete mixers, and site dumpers must turn off engines immediately upon parking. No idling is permitted near classrooms or play areas to prevent diesel particulate matter accumulation.
- Any aggregates delivered to site for hard landscaping must be kept entirely under weighted tarpaulins if placed in a temporary stockpile. Covering also prevents silt runoff from rainwater.
- Groundworks and foundation excavation surfaces must be pre-damped with a fine spray hose prior to excavation during dry spell conditions.
- Internal areas to be closed off must be discussed and agreed with the school. Areas may be closed off in phases to maintain school access as long as possible until areas need to be closed off entirely for refurbishment and making good.

4.0 Monitoring and Real-Time Feedback

School Communications

Weekly Briefings: The Site Manager will maintain a direct line of communication with the Headteacher or designated School Operations Manager. A weekly update will outline the upcoming schedule to allow the school to coordinate indoor/outdoor classroom scheduling.

5.0 Final Risk Assessment

- Risk Assessment (Likelihood x Severity = Risk)

Risk		L	S	R
1	Ill-health due to inhalation of construction dust	2	5	10
2	Air pollution due to construction dust	1	5	5
3	Nuisance caused by construction dust	1	4	4

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