

Statutory basis: CDM 2015 reg 20(2) — the arrangements for demolition recorded in writing before the work begins; this document is part of that record, with BS 6187:2011 practice. COSHH 2002 for silica and demolition dust, against the workplace exposure limits in EH40/2005 (4th edition, 2020), with RPE selected to HSE HSG53 (4th edition, 2013) and fit tested to HSE INDG479 (2019); HSE ACOP L8 (4th edition, 2013) for the legionella risk from spraying stored water; the Environmental Permitting (England and Wales) Regulations 2016 regs 12 and 38 for run-off. This document is the recorded safe system of work required by HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Controlling dust at source during demolition and breaking: planning the water supply, positioning and running hoses, sprays and misting cannons, managing run-off, ponding and stored water, and carrying out the boundary dust monitoring and personal exposure checks the dust management plan requires.

This document does not cover: asbestos (KD-RAMS-DM-007 — water does not make asbestos work safe), the demolition and breaking operations themselves (KD-RAMS-DM-002, DM-003 and DM-004), cleaning down settled dust once the strip-out or demolition is complete (KD-RA-LG-005), and the design of occupational hygiene sampling (the hygienist's).

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Respirable crystalline silica and demolition dust

At risk: Operatives, machine operators, neighbours

Controls: Dust suppressed where it is made — sprays aimed at the attachment or breaking face, not the air above it; machine cabs with filtered, pressurised air kept closed; FFP3 RPE in the dust zone where suppression cannot adequately control exposure, selected to HSG53 and face-fit tested to INDG479. Exposure assessed under COSHH 2002 against the limits in EH40/2005 (4th edition, 2020), with personal sampling where the assessment calls for it.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Legionella from stored or recirculated water sprayed as mist

At risk: Operatives, the public downwind

Controls: Misting cannons and sprays make aerosols, so the water supply is part of the risk assessment: mains or clean supply; tanks and bowsers drained, cleaned and refilled as that assessment sets out; water never left standing warm and then sprayed; systems flushed after standing idle.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Spray drift and ice on roads, footpaths and neighbouring property

At risk: The public, road users

Controls: Cannons aimed and throttled so the mist stays inside the site; stopped when wind carries it over the boundary; no spray reaching the highway in freezing conditions.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Water ponding on suspended floors, or running to lower floors and electrics

At risk: Operatives, the structure, occupants below

Controls: Water on suspended floors limited to what suppression needs and ponding cleared, because standing water adds load; openings, cracks and drains checked so water does not run onto lower floors; retained areas or electrical equipment — electrics below isolated or protected first.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Silty and alkaline run-off reaching drains and watercourses

At risk: The environment

Controls: Run-off contained; drains protected or covered; silty water settled before discharge. Nothing polluting discharged to a watercourse, surface water drain or ground without an environmental permit (EPR 2016 regs 12 and 38), and nothing to a foul sewer without the sewerage undertaker's consent.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Electrical equipment and leads in wet conditions

At risk: Operatives

Controls: Pumps and cannons at reduced low voltage where the equipment allows, otherwise with RCD protection; generators earthed as the supplier states; connections off the ground and out of the spray; leads inspected and routed clear of plant tracks.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

7. Hoses and couplings — bursting, whipping and trip lines*At risk: Operatives*

Controls: Hoses and couplings checked before use and restrained at connections; pressure off before uncoupling; hose runs kept out of plant routes and walkways, or protected with ramps.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

8. Positioning sprays near operating plant and falling debris*At risk: Hose operatives*

Controls: Hose operatives stay outside the machine's exclusion zone and slew radius; high or close work suppressed by machine-mounted sprays or remote cannons; a spray moved only when the machine has stopped and the operator has acknowledged.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

9. Boundary dust alerts not acted on*At risk: Neighbours, the site*

Controls: Boundary monitors sited and alert levels set as the dust management plan or planning condition requires; every alert investigated at once — suppression increased, method changed or the activity stopped — and recorded with the action taken.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

10. Slips on wet or frozen ground; noise from cannons, pumps and generators*At risk: Everyone in the area*

Controls: Walkways drained and gritted in frost; cannons and generators sited away from rest areas; hearing protection near them.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- Read the dust management plan, the exclusion plan and the demolition sequence; identify every dust-producing operation and where suppression is needed.
- Confirm the water supply, flow and storage; protect drains, set up run-off containment, and isolate or protect electrics below any suspended floor that will be wetted.
- Check cannons, pumps, hoses, couplings, leads and generators; confirm tanks and bowsers are clean and freshly filled.
- Position cannons and fixed sprays outside the machine's slew radius and exclusion zone; route hoses clear of plant.
- Start suppression before breaking or demolition starts; aim at the source and adjust as the working face moves; clear ponding as it forms.
- Set up boundary monitors and any personal sampling the plan requires; confirm the alert levels and who receives alerts.
- Watch the wind: throttle or stop cannons carrying mist over the boundary; stop spray reaching roads in freezing conditions.
- On a boundary alert, visible dust leaving the site, or water reaching lower floors or electrics: increase suppression, change the method or STOP the activity; record the action.
- Move sprays only when the machine has stopped and the operator has acknowledged.
- At the end of the shift, drain or flush systems that will stand idle, settle silty water and dispose of it as the plan allows, and file the monitoring results.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE**5 PLANT, EQUIPMENT AND MATERIALS**

- | | |
|---|---|
| Misting cannons and fixed or machine-mounted sprays | 110V supply or RCD-protected generator |
| Mains supply or clean bowser | Boundary dust monitors where specified |
| Pumps, hoses and couplings | Drain covers, squeegees and settlement tank |

INSPECTION / THOROUGH EXAMINATION REFS**COSHH ASSESSMENT REFS****6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST**

- Head protection
- Safety footwear
- High visibility
- Gloves — task-rated
- Eye protection
- Hearing protection
- FFP3 RPE, face-fit tested, in the dust zone

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

7 PERMITS REQUIRED BEFORE THIS WORK STARTS

No permit is normally required for this activity. The site's own rules may still require one — check before starting, and record any permit issued below.
PERMITS ISSUED FOR THIS WORK (OR NONE)

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT
HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-09-11	first-issue	First issue.	— not yet approved —
A0	2026-09-11	review	Approved for issue by the author. Content unchanged from the reviewed draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.