

Environmental Risk Assessment – Incorporating Dust Management:

Severity	Severe	High/Medium/Low	High/Medium	High	High
	Moderate	Medium/Low	Medium/Low	Medium	High
	Mild	Low	Low	Low	Medium/Low
	Negligible	Negligible	Negligible	Negligible	Negligible
Risk Matrix		Negligible	Low	Medium	High
		Probability			
Environmental Aspect	Impact	Risk level	Control Measures	Residual risk	
Construction noise throughout the operations	Disturbance of the occupants of adjacent buildings, and residential properties in the wider vicinity.	High	The site lies in the centre of Glossop within a largely residential area and therefore care will need to be taken to control the noise generated by the demolition activities. Working hours will be restricted to between 8:00am and 6:00pm Mon – Fri and Saturday 9am -2pm (only with specific client approval in advance). Delivery times and vehicles attending site to collect waste etc from site will not be outside these hours. There may be some site set up activities prior to 8am, but machinery, equipment etc will not be switched on prior to this. No work will take place on Sundays, nor on Bank Holidays unless by prior arrangement, and the overall demolition; dismantling and site clearance works should last approximately 10/11 Weeks. During all stages of the dismantling works the best practicable means shall be employed to minimize noise and vibration produced by the operation and regard shall be had to the recommendations in the British Standards referred to in The Control of Noise (Codes of Practice for Construction and Open Sites) (England) Order 2002, and the 'Noise at Work Regulations 2005. All machines and vehicles will be fitted with the correct silencers, and all construction plant and equipment shall be maintained in good working order and sited away from sensitive properties, where possible.	Low	
Construction dust and fumes created by dismantling process	Nuisance to the occupants of neighbouring buildings, and residential properties in the wider vicinity.	High	No burning of any material arising from the dismantling works will be allowed at anytime, anywhere on site. Dust management will be set in place in relation to the: - Potential generation of dust at a level where it would create an environmental nuisance affecting neighbouring properties, traffic and pedestrians etc in the vicinity of the site. - Health risks to personnel on site These RAMS detail the proposed control measures to avoid, reduce and manage the potential for the works to generate any significant amount of dust or smoke and describes how these control measures will be implemented, managed and monitored for effectiveness and how any potential non-conformance will be addressed.	Low	

MS/RA ref	Demolition Works Risk Assessment and Method Statement			
C2329-02				
			The principal control measures to minimise generation of dust will be: - Planned sequence of works to ensure as much internal soft stripping and waste removal as possible is carried out while elements of the roof are in place, containing the dust as far as possible. - The outer walls of structures will be kept intact as long as possible in order to help secure and contain the works and maintaining this perimeter will also help mitigate any impact from noise and dust. - Use of specialist mechanical demolition equipment which ensure precise cutting and breaking of elements minimising dust arising. - Use of specialist fogging machines which effectively create and direct large volumes of fine water mist which captures dust particles causing them to fall from the air and will be utilised during the demolition and in relation to the subsequent handling, crushing and storage of arisings on the site. The stripping-out and dismantling process will be undertaken in a methodical manner; progressively from one common face, with materials being carefully sorted as the structures are being dismantled, and the dust created from approaching the demolition in this way will be significantly reduced. All vehicles carrying demolition arisings shall be sheeted as required, unless the payload is deemed to be sufficiently dust free; or is wet. If at any point during the dismantling process the dust becomes an issue, then the structure and 'arisings' will be damped down as the work progresses in order to further limit the dust created. Any damping down will be achieved using sprays & hoses, which will be fed from a suitable supply point, and sprayed directly onto the area of demolition activity, and a dust-buster fan driven unit will be deployed during the above ground demolition works to control any dust arising. The public highways which are in the vicinity and which are at risk of becoming dirty from site traffic will be checked on a daily basis and where necessary a road sweeper will be provided to ensure that all adjacent highway surfaces remain clean and debris-free.	
Contamination of watercourses and surface water drainage systems.	Pollution of watercourses and damage to aquatic animals and vegetation	High	There is a watercourse immediately adjacent to the works (Glossop Brook) and therefore there is a potential risk of contaminants entering the watercourse during the demolition and dismantling works. Care must therefore be taken to control the hazards that might cause contamination; reduce the risk and ensure that no contamination is allowed to enter the watercourse. No burning of any material arising from the demolition will be allowed at any time; anywhere on site, and no waste will be stored on site for extended periods. All plant and equipment will be refuelled in a safe area, away from drains and watercourses, and special care will be taken during deliveries, and particularly when any fuels	Low