Demolition and Construction Dust Rev A

HERTS BUILDERS LTD and IDM CONSTRUCTION LONDON LTD

PLANNING APPLICATION HGY/2014/3175

Project Name: 270-274 West Green Road, London, N15 3QR



IDM North London Limited Office B**,** West Gainsborough, 1 Poole Street, London N1 5EA,

Introduction

This document describes the management of demolition and construction dust and systems to be adopted by the Demolition Contractor Herts Builders Ltd and the Principle contractor IDM Construction London Ltd as directed by the Developer, IDM North London during Demolition, Ground-works, steel frame, RC on metal deck and fit out operations at 270-274 West Green Road, London, N15 3QR.

Considerate Contractors Scheme will be lodged with the site by the contractors.



Demolition Overview

1.1 Demolition work, particularly the demolition of old buildings will generate dust especially during periods of dry weather. This dust generation can be controlled by wetting of the surfaces being demolished. The Demolition Contractor operatives will use hoses to spray water onto brickwork and debris, during the demolition/loading operations when conditions demand.

1.2 Siliceous dust occurs as a building material in natural stone, bricks or aggregates for concrete. Demolition processes involving breaking, crushing or grinding siliceous material will create dusts containing Crystalline Silica. As with other dust and fume hazards for which there are no separate sets of regulations and where it is not possible to comply with the exposure limits, suitable respiratory protective equipment will be provided for and worn by employees at risk.

1.3 All personnel working in dusty areas shall, when necessary, wear a dust mask deemed suitable by the Health and Safety Executive (HSE). All operatives concerned will be instructed in the correct use of all RPE/PPE

1.4 Dry areas of the works will be dampened down to prevent the spread of airborne dust.

Before any demolition occurs we will be requesting from the demolition contractor a risk assessment to clearly identify the risks involved in the various stages of the demolition, an example document is attached below:

EXAMPLE TO BE CONFIRMED	RISK ASSESSMENT		Demolition contractor								
	Description of Activity:	SOFT STRIP DEMOLITION									
Location:	270-274 West Green Road London N15 3QR					Issue:		Ref:	TBC		
Assessed By:	TBC					Date:	TBC	Review:			

Hazard	Likely Harm	Party Affected	Risk Rating			Existing Controls	Additional Control Measures Required / Comment	By Whom	By When	Residual Risk Rating		
			S	L	R					S	L	R
Slips, trips & falls	Fractures, abrasions, sprains	M,S,O,T,C	4	4	H	Ensure area of operations is well lit. Good housekeeping maintained at all times. Waste including brick bands and pallet debris disposed of in skip. Safety footwear provided to all workers. Safe route to workplace agreed with principal contractor based on construction phase health and safety plan.	Clear debris and waste on a regular basis. Toolbox Talk completed to refresh operatives on good housekeeping.	M,S,O	Ongoing	2	2	L
Contact with sharp objects	Cuts, lacerations, puncture wounds	M,S,O,T,C	3	4	M	Suitable PPE to include safety boots and suitable gloves are worn at all times. All workers undertaking other works in proximity to the demolition works should be kept at a safe distance. A safety exclusion zone should be established around the perimeter of the demolition works, only authorised persons shall be permitted to enter the exclusion zone.	All operatives to be made aware of the risks and hazards associated with demolition works and to be instructed in the contents of the method statement and safe system work. Ensure adequate supervision is provided and that control measures remain valid for the duration of the work.	S,O	Prior to and during work	2	2	L

KEY:	Party	S - Severity	L - Likelihood	R - Risk = S x L
	M = Management S = Supervisor O = Operative T = Third Party C = Client	1 = Trivial Injury/ies 2 = Minor Injury/ies 3 = Major Injury/ies to one person 4 = Major Injury/ies to several people 5 = Death	1 = Improbable Occurrence 2 = Remote Occurrence 3 = Possible Occurrence 4 = Probable Occurrence 5 = Likely Occurrence	15 - 25 = High Risk 8 - 12 = Medium Risk 1 - 6 = Low Risk

Impact injuries	Loss of consciousness, bruising, cuts and abrasions	M,S,O,T,C	4	4	H	PPE appropriate to the task is issued and used, e.g. hard hats, safety footwear, impact resistant goggles, ear defenders, dust masks and gloves. All operatives using equipment should be instructed to warn other persons in the area who may be affected by their work and ensure that they remain at a safe distance. Daily briefing to be provided to ensure operatives are informed of any other activities which may be undertaken in the vicinity of their work.	Toolbox Talks to be conducted. First Aid qualified person available on site with an appropriate First Aid Kit for the scope of works. Contact details of local Health Authority readily available.	S,O	Prior to and during work	2	2	L
Contact with live services	Electrocution, burns, death	M,S,O,T,C	5	3	H	Ensure all live services are disconnected before work commences. All operatives to be trained in emergency procedures to be followed in the event of a service strike.	All services should be assumed live until proved otherwise.	M,S,O	Prior to and during work	5	2	M
Noise	Tinnitus, hearing loss	M,S,O,T,C	4	4	H	Noisy work restricted to 'ear protection zone' to reduce the numbers at risk. Suitable hearing protectors provided for staff and staff trained how to use, check and maintain them according to advice given by supplier. Staff trained in risk of noise exposure. Check manufacturers guidance to ensure the correct SNR of hearing protection is issued.	A separate risk assessment is required for noise exposure levels. Ensure Hearing protection works with other protective equipment. Workers to be shown HSE's Noise WebPages (www.hse.gov.uk/noise/index.htm) Seek opinion of OHP whether health checks required.	M,S,O	Prior to and during work	2	2	L

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Exposure to hazardous substances e.g. Asbestos	Asbestosis, mesothemolia, respiratory problems	M,S,O,T,C	5	4	H	Ensure up to date asbestos survey is in place prior to works. Operatives informed of and adhere to method statement for works. Workers trained in the handling of contaminated materials. Work areas are segregated and labelled. Appropriate personal protective equipment is provided and its use enforced. Workers practice high levels of personal hygiene. Health surveillance is provided where appropriate. Withdraw from area if ill effects experienced. Ensure all hazardous materials are removed prior to the commencement of demolition works. Avoid exposure wherever possible.	Asbestos awareness and procedure on discovery training for operatives. Operatives to be notified of pertinent information from survey reports or Health and Safety files. Seek advice from OHP to see if health surveillance is required.	M,S,O	Prior to and during work	5	2	M

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Manual Handling	Sprains and strains, pulled muscles and torn ligaments.	M,S,O,T,C	4	4	H	Mechanical aids to be used to move heavy bulky items. Operative involved in handling is to be assessed for physical capability prior to lifting and carrying (operative to be trained in kinetic method of lifting). Operative is to seek assistance if the load is too heavy (a team lift should be used if necessary). All staff to be instructed on the safe systems of work. Ensure the workplace is kept clean and tidy with walkways unobstructed. Provide mechanical handling equipment to deliver materials to point at which they are needed.	Comply with relevant manual handling assessment using Task, Individual, Load and environment. Ensure adequate supervision is provided and that control measures remain valid for the duration of the work. Implement Toolbox Talks to refresh operatives on safe Manual Handling techniques.	M,S,O	Prior to and during work	2	2	L

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Dust during construction

2.1 Dust will be created when cutting brick and block during the construction process.

2.2 The main contractor will carry out COSHH assement sheets, example as below

COSHH ASSESSMENT SHEET Sheet Number: TBC

This assessment is generic in nature and must be specifically adapted to meet particular site requirements or conditions by site management/user.

COMPANY NAME:

Min Contractor

OPERATION / PROCESS:

Cutting Bricks/Blocks and Producing Dust

LOCATION:

270-274 West Green Road London N15 3QR

PRODUCT/SUBSTANCE USED:	**DATA SHEET NO**:
Bricks, Blocks	
HAZARDOUS CONTENT:	**WORKPLACE EXPOSURE LIMIT (WEL)**:
Brick/Block Dust During Cutting (Ordinary Portland Cement)	Inhalable dust (8hr TWA) 10mg/m³ Respirable dust (8hr TWA) 4mg/m³

EXPOSED PERSONS:

Operatives and bystanders

FREQUENCY OF EXPOSURE:	**DURATION OF EXPOSURE**:
As determined by workload	As determined by workload

HAZARDS:

- Inhalation of brick/block dust during cutting.
- Contact with eye and skin (possible dermatitis on prolonged or repeated contact with concrete/cement block dust and skin).

CONTROL MEASURES TO BE PUT IN PLACE:

- Employer to assess probable dust content likely to be encountered.
- Ensure COSHH assessment available for reference by employees.
- Wear dust mask if exposure limits for dust are liable to be exceeded.
- Wear goggles, gloves and ear defenders whilst cutting.
- Exclude all other personnel from area of operation.

						
TOXIC	HARMFUL	CORROSIVE	IRRITANT	HIGHLY FLAMMABLE	OXIDISING	EXPLOSIVE
			✓			

EXPOSURE ASSESSMENT: OPERATORS AND OTHERS:

Acceptable if the procedures outlined to minimize risk of exposure are adhered to

ASSESSOR:	**POSITION**:	**DATE**:
TBC	Administrator	TBC

SITE SPECIFIC ASSESSMENT

On each site and each location, the generic assessment overleaf must be reviewed to ensure that all significant hazards and their risks are identified and controlled.
Completion of this side will ensure that your assessment is both appropriate and complete.

Maximum number of people involved in activity:

Additional specific hazards identified:

Additional control measures required:

Assessment of remaining risks: insignificant / low / medium / high

Is residual risk level acceptable?

Serious or imminent danger risks identified: Yes/No

Emergency action required:

Name(s) of competent person(s) appointed to take action:

Circumstances which will require additional assessment:

Circulation of Risk Assessment (tick):

Contractor Site Copy Employees

Subcontractor Other Client

On-Site Assessment Signed	Print Name	Date

Document

3.1 Alterations and modifications to this document will be communicated to the principal contractor/subcontractor and all employees and any other person who may be affected by those changes.

3.2 No alterations or modifications to this document will be made without prior consultation with those affected.