

O'Brien

ASBESTOS REMOVAL DIVISION

Cleadon House, Cleadon Lane,
East Boldon, Tyne & Wear NE36 0AJ
Tel: (0191) 537 4332 Fax (0191) 536 5605

Plan of Work and Risk Assessment for-Licensed Asbestos Abatement Works:



**Federal Mogul
Hayfield Road
Chapel-En-Le-Frith
High Peak
Derbyshire
SK23 0JP**

**AIB Removal, Sprayed Coating Removal, Pipe Insulation
Removal**

Project Start Date: 23rd July 2013

Project Reference	A120608		
Project Duration	14 Consecutive Days		
Site hazardous waste premises code:	OHC-195	Skip Required:	Yes
This method statement was compiled by: Louis Edwards- Asbestos Division Manager			

Contract details & contact information

We are contracted to:

Client name: C Smith & Sons Ltd

Address: C Smith & Sons (Rochdale) Ltd
Sladen Fold Farm
Lightowlers Lane
Littleborough
Lancashire
OL15 0LP

Telephone: 01706 378558

Client contact: Mike Smith

E-mail: Csmithandsons@aol.com

Mobile: 07831 462692

Client representative on site: Mike Smith

Telephone: 07831 462692

O'Brien's Staff responsible for works:

Asbestos Division

Address: Cleadon House
Cleadon Lane
East Boldon
Tyne & Wear
NE36 0AJ

Telephone: 0191 5374332

Asbestos Manager: Louis Edwards

E-mail: Louis.Edwards@g-obrien.co.uk

Mobile: 07809 657745

Site Supervisor: Barry Nesbitt

Mobile: 07719 851998

Important contract information:

Job No: 130404

Site supervisor onsite: At all times

Max. No. of staff on site: 12

Involves weekend work: Yes

Start date: 23rd July 2013

Weekend working hours: From 07:30am to 19:00pm

Expected finish date: 5th August 2013

Daily working hours: From 07:30am to 19:00pm

Enforcing authority:



HSE Birmingham

19 Ridgeway, 9 Quinton Business Park

Quinton

Birmingham

B32 1AL

Other parties contracted to this site:

	Company Name	Telephone	Contact Name	Mobile
Principal Contractor:	C Smith & Sons	01706 378558	Mike Smith	07831 462692
CDMC:	Protech Services	07808 292636	Tony	07808 292636

1. Site specific risk assessments: (ADM)



Other site specific risks:					
Hazard	Who might be harmed	Uncontrolled risk rating	Safety measure to manage the hazard and reduce the risk to an acceptable level	Controlled risk rating	Additional control measures
Exposure to Asbestos Fibres:	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors • Visitors • General Public 	High	<ul style="list-style-type: none"> • Only suitably trained and certified staff will be allowed to undertake this task. • Access to the enclosure is restricted to authorised persons. • The removal of the ACM will be in accordance with current asbestos regulations, the Licensed Contractors Guide and O'Brien Asbestos Policy & Procedures Manual. • Work will be undertaken in accordance with this Plan of work. • Correct PPE & RPE to be worn during removal. • Correct decontamination of operatives, waste and equipment will be followed. 	Low	<ul style="list-style-type: none"> • Estimated exposure is to be captured and recorded within the employee monthly exposure log.
Fire:	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors • Client staff • Visitors • General Public 	High	<ul style="list-style-type: none"> • Site Operatives to be made aware of the Fire precautions required on site; for example, how to raise the Alarm, nearest Fire Call Point, location of nearest fire extinguisher, fire evacuation route, muster point and client contact name. • A fire extinguisher will be situated close to the working area. • Fire rated 1000 gauge polythene is to be used to construct the enclosure. 	Low	<ul style="list-style-type: none"> • No
Movement of Vehicles	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors 	Medium	<ul style="list-style-type: none"> • Movement of vehicles is to be kept to a minimum and all vehicles are to be parked within the site compound. 	Low	<ul style="list-style-type: none"> • No
Accidental release of asbestos fibres from Waste Stream and when in transit to final disposal:	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors • Client staff • Visitors • General public 	Medium	<ul style="list-style-type: none"> • Provision of locked and sealed container for waste material (i.e. Waste Skip or Van). • All waste to be disposed of in accordance with the Hazardous Waste Regulations 2005. • Disposal at a waste disposal site, which holds a valid Waste Management Licence, which is authorised to accept asbestos waste. Including production of a consignment note. 	Trivial	<ul style="list-style-type: none"> • Reassurance and background air testing of transit route.
Manual Handling Injury:	<ul style="list-style-type: none"> • O'Brien Personnel 	Medium	<ul style="list-style-type: none"> • No person will lift more than 22 kg by themselves (i.e. equivalent to a large well-packed suitcase or 22 bags of 	Trivial	<ul style="list-style-type: none"> • No

Other site specific risks:					
Hazard	Who might be harmed	Uncontrolled risk rating	Safety measure to manage the hazard and reduce the risk to an acceptable level	Controlled risk rating	Additional control measures
			sugar). For whilst removing the canopy block and tackle devices are to be utilised to ensure the weight of unit is supported whilst lowering.		
Head Injury:	<ul style="list-style-type: none"> • O'Brien Personnel • Client staff 	Medium	<ul style="list-style-type: none"> • Hard Hats are to be worn by all persons, including visitors, in designated Hard Hat Areas. 	Trivial	<ul style="list-style-type: none"> • No
Structural Stability of the working enclosure	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors • Client Staff • Visitors • Public 	High	<ul style="list-style-type: none"> • A combination of the building structure and a box frame section using 2 x 2 timber is to be utilized to create the enclosure. 	Low	<ul style="list-style-type: none"> • Daily checks of the area are to be completed and recorded if any issues are identified.
Electrical Safety Gas Safety	<ul style="list-style-type: none"> • O'Brien Personnel • Contractors 	Medium	<ul style="list-style-type: none"> • Only 110V CTE electrical equipment to be used on site. • Asbestos Hygiene Unit operates from 240v, this must be suitably earthed using the earth rod or tested via an earth plug. RCDs are to be used at all times on all 240v Supply. • Only properly maintained and PAT certified electrical equipment to be used on site. • Where electrical and gas equipment has to be removed a certificate to the effect that the equipment is 'electrically/mechanically isolated (dead)' must be issued and held on site. <ul style="list-style-type: none"> • Daily HAVS are to be monitored and recorded for the on site use and exposure during the removal works. This work is to be carried out using a Makita type reciprocating saw model- JR3050T. SP86db (A), SPL97db (A), MSAV 14ms2 for a maximum of 30 minutes per day. Anticipated vibration level 196m/s2. EAV 380. 	Trivial	<ul style="list-style-type: none"> • No
Slips, trips & falls:	<ul style="list-style-type: none"> • O'Brien Personnel • Client staff • Visitors 	Medium	<ul style="list-style-type: none"> • All persons on site must wear suitable safety footwear at all times. • Refuse and Asbestos Waste must be cleared away at regular intervals. • All tools and equipment must be kept in a tidy state to avoid becoming a trip hazard. • All O'Brien Personnel are to wear High Visibility clothing at 	Trivial	<ul style="list-style-type: none"> • No

Other site specific risks:					
Hazard	Who might be harmed	Uncontrolled risk rating	Safety measure to manage the hazard and reduce the risk to an acceptable level	Controlled risk rating	Additional control measures
			all times when on site.		
Changes to the working environment:	<ul style="list-style-type: none"> All persons 	Medium	<ul style="list-style-type: none"> A separate risk assessment will be filled in by the Site Supervisor to identify any new hazards appearing during works. Work will stop until all new hazards have been identified and managed accordingly. 	Trivial	<ul style="list-style-type: none"> No
Exposure to infection (from stagnant water, rat's urine, bird droppings, sewage or needle stick):	<ul style="list-style-type: none"> O'Brien Personnel 	Medium	<ul style="list-style-type: none"> All Operatives are to ensure strict personal hygiene, including: <ul style="list-style-type: none"> Washing hands regularly. Washing hands before smoking, eating or drinking. Dressing open cuts or sores with an appropriate plaster. Any signs of vermin are to be reported to the site manager. <ul style="list-style-type: none"> All operatives to wear suitable and sufficient PPE and RPE. 	Trivial	<ul style="list-style-type: none"> No
Hazardous Chemicals:	<ul style="list-style-type: none"> O'Brien Personnel 	Low	<ul style="list-style-type: none"> Hazardous Chemicals are to be assessed for suitability under COSHH Regulations. COSHH risk assessments are to be available on site. Information on safe use will be given to operatives before they are used. Non-hazardous materials are to be used wherever possible. Appropriate gloves are to be worn when handling hazardous chemicals. 	Trivial	<ul style="list-style-type: none"> No
Use of Propane Gas for DCU	<ul style="list-style-type: none"> O'Brien Personnel 	Medium	<ul style="list-style-type: none"> Gas bottles are to be stored externally from the unit to minimise the risk of gas leaks internally within the unit. Carbon monoxide alarms are to be installed within the clean end of the unit. Gas boiler is to be inspected and calibrated by gas safe engineers on an annual basis. 	Low	<ul style="list-style-type: none"> No
Environmental impact:	<ul style="list-style-type: none"> O'Brien Personnel 	Low	<p>All personnel are responsible for:</p> <ul style="list-style-type: none"> Minimising the amount of waste. Use skips and designated waste areas. Comply with and dispose of waste in accordance with the Client's Site Waste Management Plan (SWMP) Area should be cleared as work progresses. Report any signs of Bats / Newts to Client. Keep noise and dust to an absolute minimum. 	Trivial	<ul style="list-style-type: none"> No

Other site specific risks:					
Hazard	Who might be harmed	Uncontrolled risk rating	Safety measure to manage the hazard and reduce the risk to an acceptable level	Controlled risk rating	Additional control measures
Lighting	<ul style="list-style-type: none"> O'Brien Personnel 	Med	110v Festoon Lighting is to be installed within the working enclosure and along the designated waste/transit route to enhance the operative's vision. In addition 110v task lighting is to be used within each area of work.	Low	<ul style="list-style-type: none"> No

Risk ratings key		Severity:					
		Multiple Death	Single Death	Major Injury	Lost time Injury	Minor Injury	Near Miss
Likelihood:	Certain	High	High	High	High	Medium	Medium
	Very Likely	High	High	High	High	Medium	Low
	Likely	High	High	High	Medium	Medium	Low
	May Happen	High	High	Medium	Medium	Low	Trivial
	Unlikely	Medium	Medium	Medium	Low	Trivial	Trivial
	Very Unlikely	Medium	Low	Low	Trivial	Trivial	Trivial

'I confirm that the above risk assessment was carried out by myself and covers the specific hazards and control measures relating to this job and site.'

Signature: 













Name: Louis Edwards

Date: 09th July 2013

Title: Asbestos Division Manager



2. Safety requirements:

Access Equipment:							
Podium Steps: 	No	Cherry Picker 	No				
Mobile Scaffold: 	<u>Yes</u>	Fixed Scaffold: 	No				
Scissor Lift 	No	Step ladders: 	No				
<p>Other (Please state): N/A</p> <p>Supplied by: O' Brien Asbestos Removal Division</p> <p>Level of training required for Supervisor and operatives to use equipment:</p> <table> <tbody> <tr> <td>  PASMA: Yes </td> <td> Working at height: Yes </td> </tr> <tr> <td>  IPAF: No </td> <td> Other (Please state): N/A </td> </tr> </tbody> </table>				 PASMA: Yes	Working at height: Yes	 IPAF: No	Other (Please state): N/A
 PASMA: Yes	Working at height: Yes						
 IPAF: No	Other (Please state): N/A						

Emergency 'first point of contact' while on site:

Security: Site Supervisor

First Aid: Site Supervisor

Fire: Call 999

Other (Please state): N/A

Expected fibre levels, personal monitoring and RPE to be used:

Expected fibre levels when undertaking work:

0.01 f/ml

Details of personal monitoring to be undertaken during the works (to be undertaken for all spray coating and pipe/boiler insulation work):

Personal monitoring is to be completed and recorded during the removal works.

Type of RPE to be used at each stage:

Pre-Clean: N/A

Asbestos works: P3 Full Face Masks Power assisted positive pressure.



Forming Enclosure: N/A

Removing Waste: P3 Half Face Masks
(Outside of enclosure)



PPE to be used:

High visibility vest:



Yes

Hard hat:



Yes

Safety boots:



Yes

Safety gloves:



Yes

Eye protection:



Yes

Hearing protection:



No

Anti-vibration gloves:



No

Site gloves:



Yes

Colour of overalls:



Within a live enclosure:
Red



Setting up/Minor works
Blue




While transiting
White


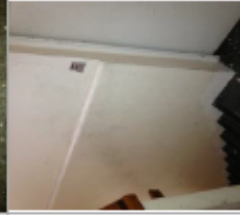
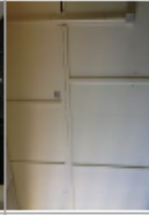
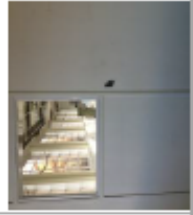





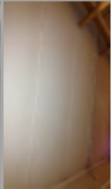

Arriving on site






1. Initial site setup:






Controlling the area:	
The DCU, Van & skip will be positioned as close to the working area as possible:	Yes
Heras fencing is to be used to restrict access to O'Brien personnel only:	Yes
A sufficient number of signs will be on working areas & routes, informing people of the hazards:	Yes
Barrier tape is to be used around the working areas to identify respirator zones:	Yes






DCU setup:	
	
<u>Please note a direct link is to be used on the enclosure</u>	
Is a DCU to be used:	Yes
DCU to be positioned:	Directly attached to the airlock outside the building of which a large box section is to be used to allow for the utilisation of 2 x units
Power for DCU to be obtained from:	Within the building
Water for DCU to be obtained from:	Within the building
Waste discharge to be disposed of via:	External Storm Drain
Type of DCU:	2 X 8 man DCU's
The DCU needs to be 'in service' and setup before the work starts.	






Location/Item	Type of Survey	Product Type	Extent	Accessability	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
Ground/1st Floor Stairs	Refurbishment-demolition	Cement Product	22 steps	Easy	Good Condition	Cement Product	Chrysotile (White)	SA52	02	
Ground/1st Floor Staircase Wall	Refurbishment-demolition	Insulation Board	12sqm	Moderate	Good Condition	Encapsulated AIB	Chrysotile (white)	SA53	04	
1 st Floor Print Room	Refurbishment-demolition	Insulation Board	18sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile (White)	SA55	04	
1 st Floor Filing Room	Refurbishment-demolition	Insulation Board	18sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile (White)	SA56	04	






Location/Item	Type of Survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
1 st Floor Open Plan Office – Box Section Above False Ceiling	Refurbishment-demolition	Insulation Board	9LM	Easy	Damaged	Unsealed AIB	Chrysotile (White)	SA59	08	
Block M- 1 st Floor, Open Plan Office, Directly Below Broken Box Section.	Refurbishment-demolition	Debris	49sqm	Easy	Damaged	Unsealed AIB	Chrysotile (White)	SA60	08	
Block M- 1 st Floor, Roof Void	Refurbishment-demolition	Insulation Board	277sqm	Easy	Fair	Encapsulated AIB	Chrysotile (White)	SA61	04	
Block M- 1 st Floor, Roof Void	Refurbishment-demolition	Insulation Board	277sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile (White)	SA62	04	
Block M- 1 st Floor, Roof Void	Refurbishment-demolition	Insulation Board	277sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile (White)	SA63	04	

Location/Item	Type of Survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
Block M- 1 st Floor, Open Plan Office, Partition Wall	Refurbishment-demolition	Insulation Board	49sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA64	04	
Block M- 1 st Floor, Open Plan Office, Partition Wall	Refurbishment-demolition	Insulation Board	49sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA65	04	
Block M- 1 st Floor Office 2 Walls.	Refurbishment-demolition	Insulation Board	15sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA66	04	
Block M- 1 st Floor Office 3 Walls.	Refurbishment-demolition	Insulation Board	21sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA67	04	
Block M- 1 st Floor Office 4 Walls.	Refurbishment-demolition	Insulation Board	21sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA68	04	

Location/Item	Type of Survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
1 st Floor Men's Toilet Ceiling	Refurbishment-demolition	Insulation Board	9sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA77	04	
1 st Floor Ladies Toilet Ceiling	Refurbishment-demolition	Insulation Board	9sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA78	04	
1 st Floor Corridor 1 Walls	Refurbishment-demolition	Insulation Board	42sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA81	04	
1 st Floor Corridor 1 Walls	Refurbishment-demolition	Insulation Board	42sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA82	04	
1 st Floor Corridor 2 Walls	Refurbishment-demolition	Insulation Board	28sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA83	04	

Location/Item	Type of Survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
Block M-1 st Floor Corridor Room Walls.	Refurbishment-demolition	Insulation Board	21sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA70	04	
1 st Floor, Office 5 Walls.	Refurbishment-demolition	Insulation Board	9sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA72	04	
Centre Stair Case, Pipes	Refurbishment-demolition	Pipe Insulation	4LN	Easy	Good Condition	Pipe Insulation	Chrysotile(White)	SA73	05	
1 st Floor Office 6 walls.	Refurbishment-demolition	Insulation Board	12sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA74	04	
1 st Floor Office 7 walls.,	Refurbishment-demolition	Insulation Board	12sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA75	04	

Location/Item	Type of Survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
1 st Floor Corridor 2 Walls	Refurbishment- demolition	Insulation Board	28sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA84	04	
1 st Floor Corridor 2 Walls	Refurbishment- demolition	Insulation Board	28sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA85	04	
1 st Floor Corridor 2 Walls	Refurbishment- demolition	Insulation Board	28sqm	Easy	Good Condition	Encapsulated AIB	Chrysotile(White)	SA86	04	
1 st Floor Above Conference Room Ceiling	Refurbishment- demolition	Insulation Board	28sqm	Difficult	Good Condition	Encapsulated AIB	Chrysotile(White)	SA87	04	
1 st Floor Above Print Room Ceiling	Refurbishment- demolition	Sprayed Coating	67sqm	Difficult	Good Condition	Encapsulated Insulation	Chrysotile(White)	SA88	05	

Location/Item	Type of survey	Product Type	Extent	Accessibility	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
Entire Roof	Refurbishment-demolition	Cement Panels	576sqm	Difficult	Good Condition	Cement Panels	Chrysotile(White)	SA69	02	
Ground Floor, Waiting Room Cupboard	Refurbishment-demolition	Pipe Insulation	4LM	Easy	Good Condition	Encapsulated Lagging	Amosite (Brown)	SA91	08	
Ground Floor, Waiting Room Cupboard	Refurbishment-demolition	Insulation Debris	1sqm	Easy	Damaged	Insulation Debris	Amosite (Brown)	SA92	11	
Throughout Left Side of Building	Refurbishment-demolition	Pipe Insulation	30LM	Moderate	Good Condition	Encapsulated Insulation	Amosite (Brown) Crocidolite(Blue) Chrysotile(White)	SA93	07	
Throughout Left Side of Building	Refurbishment-demolition	Pipe Insulation	30LM	Moderate	Good Condition	Encapsulated Insulation	Amosite (Brown)	SA94	06	

Location/Item	Type of Survey	Product Type	Extent	Accessability	Condition	Surface Treatment	Asbestos Type	Sample	Material Assessment Score	Photo
Old Reception Area	Refurbishment-demolition	Insulation Board	5LM	Moderate	Damaged	Unsealed AIB	Chrysotile(White)	SA96	08	
Training Room	Refurbishment-demolition	Insulation Board	3sqm	Moderate	Fair Some Damage	Encapsulated AIB	Chrysotile(White)	SA97	07	
Above Cashier's Office	Refurbishment-demolition	Pipe Insulation	15LM	Difficult	Good Condition	Encapsulated Pipe Insulation	Amosite (Brown)	SA98	06	

Enclosure Air Management
Volume in M3 x Number of Air changes per hour x 35.34 / 60

Block N						
Location	Width (M)	length (M)	Height (M)	Volume (M3)	Air Changes Per Hour (Min 8)	NPU Campacity
Ground Floor Room 1	3	3	3	27	10	159.08
Ground Floor Room 2	2	2	3	12	10	70.70
Ground Floor Room 3	2	2	3	12	10	70.70
Ground Floor Room 4	3	8	3	72	10	424.20
Ground Floor Room 5	2.5	5	3	37.5	10	220.94
Ground Floor Room 6	3	5	3	45	10	265.13
Ground Floor Room 7	2.5	10	3	75	10	441.88
Ground Floor Room 8	2	3	3	18	10	106.05
Ground floor Room 9	2	3	3	18	10	106.05
Ground Floor Room 10	2	3	3	18	10	106.05
Ground Floor Room 11	2	3	3	18	10	106.05
Ground Floor Room 12	2	3	3	18	10	106.05
Ground Floor Room 13	2	3	3	18	10	106.05
Ground Floor Room 14	2	3	3	18	10	106.05
Ground Floor Room 15	2	5	3	30	10	176.75
Ground Floor Room 16	1.5	1.5	3	6.75	10	39.77
Ground Floor Room 17	3	6	3	54	10	318.15
Ground Floor Room 18	1	2	3	6	10	35.35
Ground Floor Room 19	1	2	3	6	10	35.35
Ground Floor Room 20	1	2	3	6	10	35.35
Ground Floor Room 21	2	6	3	36	10	212.10
Ground Floor Room 22	2	2	3	12	10	70.70
First Floor Room 23	2	10	3	60	10	353.50
First Floor Room 24	1.5	3	3	13.5	10	79.54
First Floor Room 25	1.5	3	3	13.5	10	79.54
First Floor Room 26	1.5	3	3	13.5	10	79.54
First Floor Room 27	1.5	3	3	13.5	10	79.54
First Floor Room 28	1.5	3	3	13.5	10	79.54
First Floor Room 29	2	6	3	36	10	212.10
First Floor Room 30	2	6	3	36	10	212.10
First Floor Staircase 31	2	8	6	96	10	565.60
First Floor Room 32	2	4	3	24	10	141.40
First Floor Room 33	2	4	3	24	10	141.40
First Floor Room 34	2	4	3	24	10	141.40
First Floor Room 35	3	10	3	90	10	530.25
First Floor Room 36	2	6	3	36	10	212.10
First Floor Room 37	2	6	3	36	10	212.10
First Floor Staircase 38	2	8	6	96	10	565.60
First Floor Room 39	2	4	3	24	10	141.40
First Floor Room 40	2	3	3	18	10	106.05
First Floor Room 41	2	4	3	24	10	141.40










First Floor Room 42	2	10	3	60	10	353.50
Exterior Box Section	3	3	3	27	10	159.08
Airlock	1	3	2	6	10	35.35
Baglock	1	3	2	6	10	35.35
Total NPU Required						7975.84



NPU to be used due to construction

8 x 4000 NPU's
2 x 1500 NPU's

1: Description of works

Summary of work being undertaken in this location:	Remove: Yes	Repair: No	Encapsulate: No	<i>Licensed Asbestos Works:</i>		
	Paint: No	Drill: No	Reinstatement: No	Respirator Zone: Yes	Full Enclosure: Yes	Other (please specify): N/A
Building Number/Name: Block N Internal/External: Internal Floor: Ground & First Room: All						
Construction Materials for each Enclosure						
	CCTV to be placed in enclosure: Yes  			Are vision panels to be used? Yes 		3 Stage Airlock: Yes

Process of work- Enclosure 1 Block N

- 1: DCU is to be placed outside the rear entrance of the school kitchen and must be fully functional prior to works taking place.
- 2: Site supervisor is to fully inspect the site and identify all ACM's for removal. All on site staff are to read and sign the method statement to ensure they fully understand the work scope.
- 3: All operatives engaging in the site works must place on Blue coveralls (cat 3 type 5/6) prior to commencing works.
- 4: Along the designated transit route and waste route signage is to be placed at intervals to warn others of the associated hazards.
- 5: A scaffold tower is to be erected within the kitchen for use during the enclosure construction and use during the removal works. This must be erected and dismantled by only suitably PASMA trained and competent operatives only.
- 6: A fully sealed enclosure is to be created within the kitchen area. 1000 gauge polythene of which is orange fire rated type will be used inside the area including the walls and floor coverings surrounding the AIB to be removed and secured using fixing aids (staples, PCL cloth tape, Spraytack, Expanding foam) to create an airtight enclosure.
- 7: A 3 stage airlock and 3 stage baglock will be erected with use of pre fabricated steel cubes of which each section will be 1m wide x 1m long x 2m high. All cubes will individually wrapped using 1000 gauge polythene and fixing aids. Upon completion the cubes are to be joined together to create an airtight unit and placed on to the working enclosure. Openings of rectangle shape will be cut into the internal sections of the cubes to allow access. Within the upper internal section of each airlock/baglock compartment weighted flaps are to be installed.
- 8: 1 x 4000 NPU is to be placed directly adjacent to the airlock/baglock to ensure good air management can be

achieved.

9: Vision panels are to be placed in the dirty compartment of the airlock and baglock alike. A vision panel is to be installed on the enclosure above the NPU and on the wall sections of the enclosure throughout. Air horns are to be placed directly inside the enclosure and one is to be placed outside the enclosure and they are to be used to indicate an emergency. 2 way radios are to be used by the site supervisor and inside charge hand to communicate on a regular basis. In addition CCTV is to be used within the enclosure of which is to be moved at times to ensure peripheral viewing of the work in hand can be achieved.

10: All plant including Airless sprayer, Type H vacuums and hand tools to be used is to be placed into the enclosure. Buckets for decontamination are to be placed within the dirty compartment of the airlock. Yellow bucket will be for RPE decontamination and black bucket will be for wellington boot decontamination. Each bucket is to contain water containing astrip (1:10) mix. Yellow bucket will contain a sponge and black bucket will contain a stiff type brush.

11: Upon completion of the set up a smoke test is to be completed within the enclosure, airlock and baglock to ensure a fully airtight seal has been achieved. This must be witnessed by a client representative and the statement within the POW completed for the enclosure.

12: All operatives are to enter the enclosure to commence works.

13: The AIB located within the ceiling tiles, boxing and skylights is to be adequately sprayed using astrip (1:10) mix of which will be applied using a Greco type airless sprayer.

14: All screws are to be located and removed utilising the shadow vac method of removal.

15: Each AIB panel to be carefully released and lowered to the ground. Each panel is to be double wrapped using 1000 gauge polythene and sealed. All is to be labelled as containing asbestos.

16: All timber battens are to be adequately sprayed using a Greco type airless sprayer containing astrip (1:10) mix. All screw holes are to be located and drilled out using a cordless type drill. Any identified debris is to be adequately sprayed using a hand held airless sprayer containing astrip (1:10) mix and collected using a type H vacuum cleaner.

17: The cooker canopy hood is to be also removed during the asbestos removal works. Designated lifting points area to be located within the kitchen ceiling area and a block and tackle is to be used to support the weight of the unit whilst it is removed. The hood is to be carefully lowered to the ground where it is to be cut into manageable Sections using a reciprocation type saw Makita type reciprocating saw model- JR3050T. SP86db (A), SPL97db (A), MSAV 14ms² for a maximum of 30 minutes per day. Anticipated vibration level 196m/s². EAV 380.

18: All waste is to be removed periodically throughout the works via the designated baglock to the asbestos waste skip located outside the kitchen.

19: Working systematically towards the NPU the area in its entirety is to be cleaned using a type H vacuum cleaner to remove all asbestos contamination.

20: The area in its entirety is to be sprayed using a Greco type airless sprayer containing astrip (1:10) mix and all surfaces are to be wiped.

21: Site supervisor is to carry out a full visual inspection of the area prior to appointing Vega to complete a 4-stage clearance test within the associated area. At this point a certificate is to be completed by the supervisor to indicate that he is happy with the standard of workmanship achieved and all asbestos has been successfully removed.




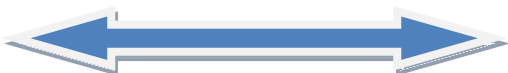
22: Upon successful completion of the airtest all signage will be removed and all materials and plant are to be removed from site and placed in the O Briens van.

23: Site supervisor is to carry out a full site inspection to ensure all equipment/plant and waste has been removed from site.

[illegible]

Transit Route:	Via the airlock and direct link DCU connection located outside the building
Waste Route	Via the baglock outside the entrance of the building to the waste skip located adjacent the building

The chosen Site Supervisor is authorised to make 'minor' amendments to this plan of work, recording any changes in the relevant form in the appendix. Any 'major' changes (e.g. to the extent of works, size of enclosure, removal method, etc.) must be agreed and authorised by the Asbestos Division Manager.

 TRANSIT ROUTE 	 WASTE ROUTE 
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Visual Inspection Record Enclosure 1

Site supervisor is to ensure that all asbestos has been successfully removed from the working enclosure. A thorough visual inspection is to be completed within the enclosure, waste route, transit route and full asbestos zone to ensure no ACM's are present following removal.

I confirm that the scope of works identified within the main POW has been thoroughly inspected and is ready for handover to an independent UKAS analytical company for a 4 stage clearance test.

Site supervisor name: _____

Date: _____

Signature: _____

Issues identified:

Welfare facilities will be provided through the use of proprietary containerised units and will include the following:

- Office
- Mess room
- Drying room
- Induction area
- First aid kit& Eye wash
- Toilet facilities

Signage will be present showing the use and location of these services. Bottled drinking water will be transported to site in suitably marked containers.

The welfare facilities will be kept in a clean and tidy condition for the duration of the project by the O' Brien personnel.

Site rules will be in place to ensure that the operatives are aware of the ways to reduce the potential of attracting rats (i.e. eating food in designated canteens and not dropping litter etc)

Power will be provided to the welfare facility by the use of a 'built in' silent running generator with an integral fuel tank.

The unit runs on diesel fuel which will be refilled as required with a site log retained detailing each delivery date and the amounts as part of the BREEAM audit.

Water will be provided for cleaning and toilet flushing by the connection to the site water supply via an existing metered stand pipe.

Again a weekly log will be kept to monitor and record water consumption through the meter as part of the BREEAM audit.

If possible a connection for the toilet system will be made to the existing foul drainage on site to minimise the need for a vacuor unit to be brought to site to empty the effluent tank.



Smoking on site is to be carried out within the designated locations only. For works within the site this will be within the site compound

All cigarettes must be fully extinguished and placed into the designated bucket.

Other job specific information:

Smoke Test certificate is to be completed within the daily site packs

Required: Yes



Process:

- All smoke detection equipment in the vicinity is to be covered over.
- Inform the client before undertaking the smoke test.
- The Site Supervisor is to ensure that the asbestos enclosure is intact and then undertake a smoke test of which is to be witnessed by a client representative. All results are to be logged within the daily site pack.
- All areas of the enclosure are to be completely filled with smoke, including all Airlocks and Bag locks.
- Any areas within the enclosure which emit smoke are to be sealed with cloth tape or expanding foam.
- The smoke test is to be repeated until no visible signs of smoke are detected.

Waste disposal:



Process:

- Waste is to be bagged in UN approved red waste sacks immediately after it has been removed.
- Asbestos must not be broken if it is larger than the waste sack. In this instance it must be double wrapped in 1000 gauge polythene.
- When removing waste from the enclosure it must be double bagged – the outer bag being transparent.
- Waste must not be allowed to accumulate. It must be removed on a daily basis to a secure area.
- Waste is to be transported along the 'waste route' as per the specific site diagram.
- All waste will be taken to a licensed landfill site along with a Consignment Note (as specified by Hazardous Waste Regulations) and enclosed in a suitable waste van.

Details of secure storage on site:

Waste to be placed into the designated asbestos waste skip on site. Skip is to be kept locked at all times. Adequate signage is to be applied during the works to restrict access and fully identify the contents.

Waste will be taken to:

O'Brien Waste Management
Hadrian Yard Central
Potter Street
Wallsend
NE28 6UZ

Analyst's Details:

Analytical Company: 

Telephone: 01207 599254

Company address: MIS Environmental Ltd
Eden House
Watling Street Industrial Estate
Leadgate
Consett
Co Durham
DH8 6TA



0244

Client Representative: Alasdair Nairn a.nairn@mis-environmental.co.uk

Air monitoring Order No:

Appointed by: O Briens

Frequency of visits: Personal monitoring during removal and 4 stage clearance test following completion of the works

Dates air test booked: Start:
26th July
2013
Finish:
4th & 5th
August
2013

Leak:	Clearance:	Reassurance:
No	<u>Yes</u>	No
Type of air monitoring:	Personal:	Van:
	<u>Yes</u>	No
		Background:
		No

Asbestos Survey Details:**Survey Completed By:**

Unit 1-2 Rochdale Road Industrial Estate
Church Street
Middleton
Manchester
M24 2PY

Date Survey Completed:

10th November 2012








Survey Type:

Refurbishment

Survey Report**Reference:**

HPG-101112







COSHH to be used on site for this project (Please refer to on site COSHH assessment procedures for further information and data.)

 Astrip Concentrate	 Expanding Foam
 Spray Adhesive	 Shower Gel
 Smoke Fluid	 Propane Gas
 Bleach	



ISOLATION OF SERVICES



 POWER	TO BE CARRIED OUT BY:
	
 GAS	TO BE CARRIED OUT BY:
	
 WATER	TO BE CARRIED OUT BY:
	



O'Brien
ASBESTOS REMOVAL DIVISION

2. Asbestos Division Manager hand-over confirmation: (ADM & SS)

'I confirm that the content of this plan of work covers all aspects of the job and that I have communicated this in detail to the Site Supervisor in-person or over the phone. The work will be carried in accordance with all G O Brien policies and any major changes to the plan of work will be agreed and authorised by myself before work commences.'

Signature: _____

Date: _____

Name: Louis Edwards

Title: Asbestos Division Manager

Signature: _____

Date: _____

Name: Barry Nesbitt

Title: Site Supervisor

Managing the site conditions (Site Supervisor)



1. Permit to Work	Form Required:	Yes
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The following questions must be answered before asbestos works starts. Please begin filling-in this form as soon as you arrive on site.	Yes (tick)	No (tick)	N/A (tick)	Signature
Is the plan of work and risk assessment of a good enough standard to proceed and does it reflect the site conditions?				
Have all site staff been briefed on the contents of the plan of work and informed of the risks?				
Does the site box contain the following items: <ul style="list-style-type: none"> Valid Insurance Certificate Valid Asbestos License Waste Carriers License Asbestos procedures manual Fire Extinguisher First aid kit Air horn Site file 				
Is the site diary available and ready to use?				
Do you have copies or access to all of the following documentation? Are they valid and can you produce them for inspection? <ul style="list-style-type: none"> Training certs. NPU certs. Face-fit certs. Hepa Vacuum certs Medical certs. Certs. for all additional equipment 				
Is the DCU in the best position, in good working order and has the check sheet been completed?				
Have all RPE been checked, serviced within the last 6 months and has the check sheet been completed?				
Are the transit and waste routes clearly marked with the G O Brien standard signage and are they free of any trip hazards?				
Are the following safety warning signs, as well as barrier tape identifying the Asbestos and Respirator Zone, in place? <ul style="list-style-type: none"> No Unauthorised Access Wear RPE Wear Coveralls Danger Asbestos 				
Has the access equipment been set up correctly, filling in the relevant checklist or risk assessment if necessary? If an external contractor has set up the equipment, do you have copies of the necessary certificates? <ul style="list-style-type: none"> Mobile Scaffolding Fixed Scaffolding Podium Steps Other: 				
Has the gas been purged, electrical equipment and lighting been isolated, and do you have copies of the certificates?				
Are all operatives wearing the PPE stated in the Risk Assessment Requirements section of this plan of work?				
Have other contractors based at this site been briefed on our work?				
Comments:				
Site supervisor:		Signature:		Date:
Do not begin any direct work with asbestos until all of the above has been completed and signed as satisfactory.				

O'Brien
ASBESTOS REMOVAL DIVISION

Title: Site Supervisor

[illegible]

Additional site specific risk assessment form: (SS)



When discovering an additional hazard: stop the work and contact the **Asbestos** Division Manager for advice, then fill in the table below.

New Hazard	Who might be harmed	What safety measures are we going to introduce to reduce the risk to an acceptable level	Signature	Date

Do you need to work at height using access equipment not yet specified in the plan of work? If so, please contact the Contracts Manager and then fill in section below.

Access equipment	Reason for use	What control measures are we going to introduce to reduce the risk to an acceptable level	Signature	Date
Cherry picker, Scissor lift, etc.				
Fixed scaffold				
Lightweight tower scaffold				
Ladders				
Step ladders				
Other: _____				

New access equipment pre-checks:		Have you carried out all the required checks on the equipment before starting work?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Have you received training in the use of the equipment selected?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Have all working at height risks been adequately controlled?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Is everyone aware of the above requirements to enable safe working at height?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Has the Manager been contacted?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Site supervisor:	Signature:	Date:
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Do not start work until all questions have been answered satisfactory.

	 <p>Our onsite designated first aid representative will be:</p> <p><u>Barry Nesbitt- Site Supervisor</u></p>
<p>Muster Point(s)</p> 	<p><u>Non- Contaminated-</u> In the event of an emergency on site all personal are to assemble within the site compound.</p> <p><u>Contaminated-</u> In the event of an emergency on site all personal are to assemble adjacent the DCU located outside the building.</p> <p>All arrivals must attend the safety induction and make themselves known to the site supervisor.</p>
<p>Location of nearest A&E facility & Tel number</p> 	 <p><u>Macclesfield District General Hospital</u> Victoria Road Macclesfield Cheshire SK10 3BL</p> <p>Tel: 01625 421000</p>



Environment
Agency

CERTIFICATE OF REGISTRATION UNDER
THE WASTE (ENGLAND AND WALES) REGULATIONS 2011

Regulation Authority

Name: Environment Agency
Address: National Customer Contact Centre
99 Parkway Avenue
Sheffield
S9 4WF
Tel: 03708 506 506 Fax: 0114 2626697

The Environment Agency certify that the following information is entered in the register which they maintain under regulation 28 of the Waste (England and Wales) Regulations 2011:-

Name(s) of registered carrier: G O'Brien & Sons (Nationwide Demolition Contractors) Ltd.
Registered as an: Upper Tier Carrier Dealer
Registration number: CB/NP3911YE
Business name (if any):
Address of principal place of business: CLEADON HOUSE
CLEADON LANE,
EAST BOLDON,
TYNE AND WEAR,
NE36 0AJ
Tel: 0191 5374332 Fax: 0191 5365605
Date of registration: 02/04/2013
Date of expiry of registration (unless revoked): 01/04/2016

Signature of authorised officer
of the regulation authority:

Date: 12/03/2013



245083



Licence to undertake work with asbestos

Licence Number 951303808

The Health and Safety Executive, in pursuance of the powers conferred on it by the Control of Asbestos Regulations 2012, licences

G O'Brien & Sons (Nationwide Demolition Contractors) Limited
Cleadow House
Cleadow Lane
EAST BOLDON
Tyne & Wear
NE36 0AJ

("the licensee")

to undertake work with asbestos subject to the conditions below. The licence is granted from **07 June 2013** and shall remain valid until **06 June 2016** unless revoked in writing by an authorised Person.

CONDITIONS

1. This licence or a copy thereof, should be made available on request by the licensee for inspection by any person to whom the licensee submits a tender or quotation for work with asbestos and shall be available for inspection at all worksites. A copy of the licence shall accompany each notification required by Condition 2.
2. The licensee shall give notice in writing of the work to the appropriate HSE or local authority office at least 14 days before the work is commenced, or such other period as the authority will allow. The notice shall specify the type of work to be carried out, the likely duration of the work, the address of the premises at which the work is to be carried out and the date of commencement of the work activity. The enforcing authority must be informed in writing as soon as possible if this information changes. This condition will only apply to licensable work with asbestos as defined in Regulation 2 of the Control of Asbestos Regulations 2012 or when the licensee hires out employees (at operative level) to other licensees.
3. (a) Prior to submitting the notice of work required by Condition 2 the following documents shall be prepared by the licence holder:
 - i) a suitable and sufficient written statement of the plan of work to be used.
 - ii) a suitable and sufficient written specification for the equipment for the protection and decontamination of those engaged in asbestos work and also for the protection of other persons, as appropriate to the work.(b) The licensee shall, on request by HSE and/or the local authority provide copies of the documents referred to in 3(a) and/or allow inspection of those documents as required.
(c) Work carried out under the notice of work required by Condition 2 shall be carried out in accordance with the suitable and sufficient plan of work and the equipment, as specified in (a) (i) and (ii).

The plan of work and written specification must be provided on request and be available at the time of notification.

Signature

A person authorised by the Health and Safety Executive to act in that capacity

Name: **Archie Mitchell**
Head of Asbestos Licensing Unit

Date: **03 May 2013**

HENDERSON

INSURANCE BROKERS

Henderson Insurance Brokers Limited
7 Park Road
Gosforth Business Park
Newcastle-Upon-Tyne
NE12 8DG

12th February 2013

Tel 0191 229 7788
Fax 0191 229 7700

To whom it may concern

www.hibl.co.uk

Dear Sirs,

Re: G O'Brien & Sons (NDC) Ltd, National Dismantling & Demolition Ltd, Sycamore Property Developments Ltd, O'Brien Waste Management Ltd, Cleadon House, Cleadon Lane, East Boldon, Tyne & Wear NE36 0AJ
Confirmation of Insurance Arrangements

We are the appointed Insurance Broker for the above company and are able to confirm the following arrangements are in place in respect of their insurances:-

Business Description:

Demolition and Dismantling, Site Clearance, Land Remediation, Reclamation of Materials, Removal & Disposal of Asbestos, Processing & Recycling of Reclaimed Materials, Supply of Slate/Timber/Stone/Aggregates, Waste Disposal, Skip Hire, Architectural Salvage Sales, Pine Furniture & Hardwood Flooring Sales, Scrap Metal Sales, Waste Transfer Station Operators, Landfill Site Operators, Property Owners, Haulage (Plant), Plant Hire, Plant & Equipment Sales, Salvage Sales, Confidential Shredding, Roadsweeping Services and Rubbish Collection, Contaminated Waste Disposal, General Building, Landfill and Groundworks.

The above activities include work on Rail Infrastructure including Tracksides.

Employers Liability

Insurer:	Brit Insurance
Policy Number:	FA0943000H
Period of Cover:	19 th February 2013 – 19 th February 2014
Limit of Indemnity:	£20 million each and every claim

Public/Products Liability

Insurer:	Brit Insurance/QBE/Chartis
Policy Number:	FA0943000H
Period of Cover:	19 th February 2013 – 19 th February 2014
Limit of Indemnity:	£20 million each and every claim and in the aggregate for Products
Excess:	£25,000

Registered Office: Trearman House - Capital Park - Leeds - LS27 0TS
Authorized and Regulated by the Financial Services Authority
Company Registration Number - 1985767



Professional Indemnity

Insurer: Brit Insurance
Policy Number: FA0943000H
Period of Insurance: 19th February 2013 – 19th February 2014
Limit of Indemnity: £5 million any one occurrence

Contractors All Risks/Plant

Insurer: Zurich
Policy Number: LY766797/42041529
Period of Insurance: 3rd July 2012 – 3rd July 2013
Limit of Indemnity: £1 million any one occurrence
Plant Sum Insured: £400,000 limit per item

We trust that this is satisfactory for your requirements, should you need any additional information please do not hesitate to contact us.

Yours faithfully



Jamie Johnson
Commercial Broker

Note

Cover is subject to the Insurers policy terms, conditions, exclusions and cancellation provisions.

The information provided in this document is based on the insurance covers in place at the time of writing. Changes to cover may have been made during the policy period of cover.

Any expiry date shown in this document represents the standard expiry date of the policy, in certain circumstances cancellation may occur before the standard expiry date of the policy.

This document is provided for information only; it does not alter, amend or extend the cover provided by the insurance policy.

