

CLIENT: Longley Group

CONTRACT TITLE: Armoury Drive,Gravesend DA12 1NB

CONTRACT NO: TBC

METHOD STATEMENT NO: FC/MS/ARMOURYDRIVE-00

SUBJECT: Well Chamber Capping

Internal Review			
Issue:	Written by:	Reviewed by: Assurance & Safety	Approved by:
Print Name:	M Tanner Longley Group	Nicola Ray Potter Raper	
Date:	30/08/2022		

Revision / Review	Date	Change

Distribution:	Longley Group																
Number Issued:	1																

The responsibility for the safety of the contract works rests fully and unreservedly with the Contractor.



LONGLEY

Method Statement

<i>Method Statement Title</i>	<i>Reference Number</i>	<i>Revision No.</i>	<i>Page No.</i>
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	2 of 31

Rev'	Date	Revision History
00	01/3/22	First Issue

Gravesham Borough Council

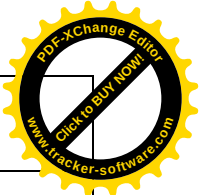


Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 3 of 31
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0.0 Table of Contents

Paragraph	Contents	Page No.
0.0	Table of Contents	
1.0	Introduction	
2.0	Scope of Works	
3.0	Hazards Identified	
4.0	Environmental Protection Arrangements	
5.0	Plant and Equipment	
6.0	Personnel	
7.0	Methodology	
8.0	Briefing Arrangements	
9.0	Safety of Personnel	
Appendix		
1	Accident & Emergency Hospital Details / Location	
2	Well Chamber drawing	
3	Method Statement Briefing Sheet	
4	Risk Assessments	

**Method Statement**

<i>Method Statement Title</i>	<i>Reference Number</i>	<i>Revision No.</i>	<i>Page No.</i>
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	4 of 31

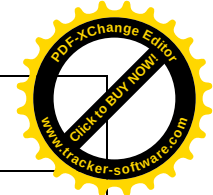
1.0	<u>INTRODUCTION</u>	<u>Responsible Person</u>
1.1	Frace Ltd working on behalf of Longley Group	
2.0	<u>SCOPE OF WORKS</u>	
2.1	<u>Scope of Method Statement</u> This method statement specifically addresses the Well Chamber @ the former St Johns' Ambulance Brigade HQ	Site Supervisor
2.2	<u>Locations and limits</u> The development site is located at Armoury Drive,Gravesend DA12 1NB	
2.3	<u>Completion Criteria</u> Works shall commence TBC and are expected to last up to 1 week.	
3.0	<u>HAZARDS IDENTIFIED</u>	<u>Responsible Person</u>
3.1	<u>Significant Hazards</u> ➤ Falling objects including all or part of a structure or debris. ➤ Being struck, or crushed by moving plant. ➤ Airborne contaminants such as asbestos or silica. ➤ Working at heights.	Site Supervisor
4.0	<u>ENVIRONMENTAL PROTECTION ARRANGEMENTS</u>	<u>Responsible Person</u>
4.1	<u>Noise</u> To ensure minimum disturbance and avoidance of nuisance to the local community, the working hours shall be restricted to: Monday-Friday 08:00 – 17:00 Saturday 08:00 – 13:00 No work shall be undertaken at any time outside these hours, or on Saturday afternoons, Sundays or Bank Holidays without the prior approval, in writing, of the Local Planning Authority. Best Practicable Means (as defined in s72 of the Control of Pollution Act 1974) shall be used to reduce noise levels at all locations at all times. Longley as main contractor work these works, are responsible for obtaining & payment of any necessary licences / fees / approvals required by this work element.	LG Project Manager



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	5 of 31

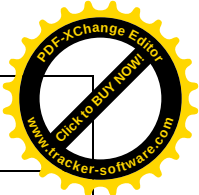
4.2	<u>Dust, Smoke, Vapour</u> Water suppression will be utilised at all times – by way of mains pressure directed at area being demolished. During periods of dry weather additional dust suppression measures may be implemented.	Site Supervisor
4.3	<u>Disposal of Waste</u> Any waste concrete and brick rubble generated by these works shall be collected, segregated and disposed of on 8 wheel trucks'. A licensed waste disposal contractor shall carry out collection and disposal of waste regularly, under appropriate supervision. All other waste will be segregated and placed in to skips for collection and exchange by licensed waste disposal contractors. The burning of waste / debris is strictly forbidden.	Site Supervisor
4.4	<u>Dewatering Arrangements & Disposal of Water</u> None envisaged as being applicable for this work activity.	
4.5	<u>Fuels, oils etc -Storage and containment</u> Mobile plant shall be refuelled in a designated area away from watercourse and exposed chalk. Fuel shall be pumped into machines to minimise the risk of spillage. Appropriate absorbent materials and a spill kit shall be available in case of emergency. Any spillages shall be contained and reported to the Site Manager. Drip trays shall be placed beneath all static combustion plant, checked daily and emptied when necessary.	Site Supervisor
5.0	PLANT AND EQUIPMENT	<u>Responsible Person</u>
5.1	<u>Plant</u> ➤ 1.5t Excavator	Site Supervisor
5.2	<u>Portable tools and equipment</u> ➤ 110v FL22 Demolition Breaker ➤ 110v CP9 Breaker ➤ 3 Kva Generator ➤ Cable Avoidance Tool ➤ Air Extractor	Site Supervisor



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	6 of 31

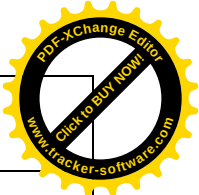
5.5	<u>Competency Requirements</u> ➤ Plant operators to hold relevant certification (CPCS / NPORS) including lifting operations' where applicable. ➤ SSSTS as a minimum for site supervisor. ➤ CSCS card as minimum for ALL site operatives. ➤ PASMA or similar for aluminium tower erection Operators of C.A.T. scanners shall hold a current certificate of competence.	Site Supervisor / Project Manager
5.6	<u>Inspection & Examination Certificates</u> All plant certification shall be inspected before the item is allowed to commence on site and copies shall be retained on site for reference. Copies of all personnel tickets shall be forwarded to the Site Manager for checking.	Site Supervisor
5.7	<u>Temporary Lighting</u> Works shall generally be planned for daylight hours. However, if the need for temporary lighting arises, any task lighting shall be angled away from drivers to prevent distraction or temporary loss of vision. Task lighting shall not be directed into any business or residential premises.	Site Supervisor
5.8	<u>Details of Cranes, Lifting Machines, Appliances & Lifting Tackle</u> Only fully certificated lifting appliances / equipment / tackle) will be used for this element of the works in association with mechanical plant.	Site Supervisor
5.9	<u>Arrangements for Stand By Plant</u> None envisaged as being applicable for this work activity.	
6.0	PERSONNEL	
6.1	<u>Supervision Arrangements</u> ➤ Alex James (Visiting Managing Director) – 07545 705050 ➤ Mark (Site Supervisor) – 07786 678821	
6.2	<u>Other Frace subcontractor trades.</u> None envisaged at this stage.	



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	7 of 31

6.3	<u>Working Hours</u> Standard working hours shall be: Monday – Friday 08:00 – 17:00 Saturday 08:00 – 13:00	LG Project Manager
6.4	<u>Shift Handover Arrangements</u> None envisaged as being applicable for this work activity.	
6.5	<u>Welfare and First Aid</u> Welfare facilities for this work shall be located at the office compounds. A trained and equipped HASAW First Aider shall be on site at all times; the first aid provisions shall be located in the Main Office. The emergency procedure document outlines provisions in place, applicable in the event of an emergency. See appendix 1 for Accident & Emergency location and directions.	LG Project Manager
7.0	<u>METHODOLOGY</u>	
7.1	Due to the historical significance of the Well Chamber a watching brief will be undertaken during capping and a record of the building's construction retained for future reference. A WSI (Written Scheme of Investigation) has been submitted to GBC as part of the planning condition's. Before any works commence an air extraction duct shall be lowered in to the chamber to disperse any accumulated toxic gases (methane etc) and a membrane placed over the top of existing debris to stop disturbance and spread of any contaminants. An aggregate covering shall be placed over the membrane to keep it in place. An Excavator shall then remove the roof of the side chamber and lower the walls of the whole chamber by approximately 1m. Debris shall be removed from the side chamber to create a safe working environment. A 225mm concrete block wall shall be constructed between the 2 chambers, tied and and to the height of the walls to the main chamber. Upon adequate drying time both chambers will be backfilled with hardcore and the main chamber covered with an aggregate ready for a 250mm reinforced concrete capping. Operatives to wear appropriate PPE for all various tasks of this procedure. Following disposal of all debris the site is to be left in a clean and tidy state for next phase of works namely leveling and ground excavation.	



Method Statement

<i>Method Statement Title</i>	<i>Reference Number</i>	<i>Revision No.</i>	<i>Page No.</i>
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	8 of 31

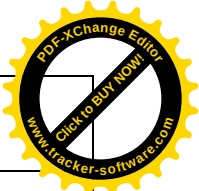
7.2	This method statement shall be read in conjunction with the method statements previously issued, namely:~	
8.0	BRIEFING ARRANGEMENTS	
8.1	<u>Method statement briefings</u> Foreman shall ensure all operatives are briefed on the Method Statement and any task specific Method Statements to the works they are to undertake, prior to work commencing. A record of attendance shall be made at the briefing to be passed on to the Contracts Manager, using the attached standard form (Appendix 3) Understanding shall be confirmed by undertaking a brief verbal question session. All operatives / supervisors shall receive a complete briefing of the Method Statement.	Site Supervisor
8.2	<u>Toolbox talks</u> Site supervisors shall undertake toolbox talks as necessary. All attendees shall sign to say they have been briefed and agree to all recommendations set out within the relevant toolbox talk. A copy of Tool Box Talk record shall be forwarded to LG Project Manager.	Site Supervisor



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	9 of 31

9.0	SAFETY OF PERSONNEL	Responsible Person
9.1	<u>Permit To Work System</u> All excavations are only to be carried out if a "Permit To Dig" has been issued complete with statutory undertaker's service drawings or sketch. Confined space work shall only be carried out under the control of a "Permit to Work in Confined Spaces". Hot works shall only be carried out under the control of a "Hot Works Permit". A permit to load / permit to unload-strike will be utilised for the safe installation and subsequent removal of temporary works. Demolition works will only commence following issue of a "Permit to Demolish".	Project Manager
9.4	<u>P.P.E.</u> All project personnel, subcontractors and visitors will be required to wear as a minimum: ~ ➤ High visibility vests. ➤ Safety boots. ➤ Safety helmets. ➤ Ear defenders as necessary (where signs / notices are displayed). ➤ Eye protection as necessary (where signs / notices are displayed). ➤ Coverall Overalls as necessary ➤ FFP3 Face Masks as necessary	Site Supervisor

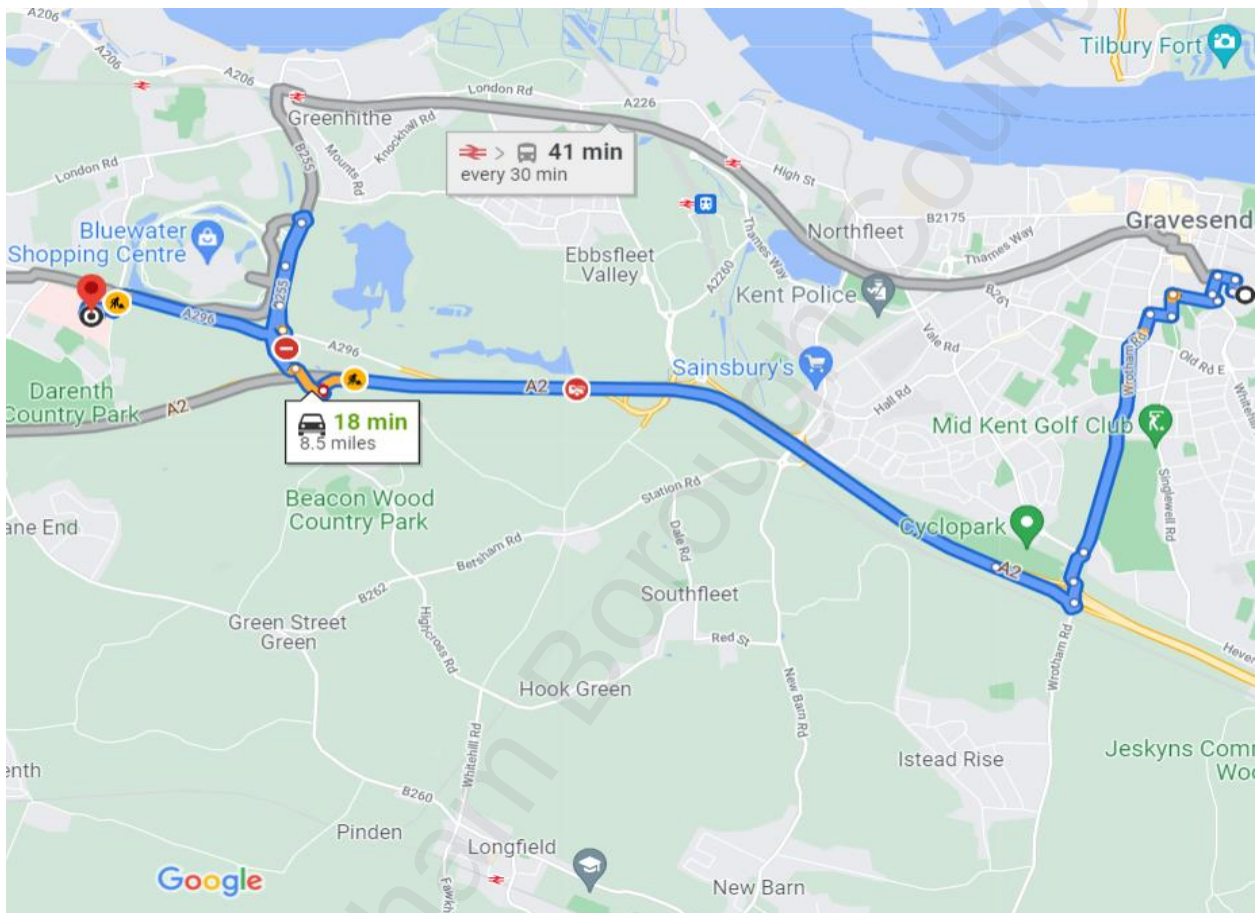


Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	10 of 31

Appendix 1

Darenth Valley Accident & Emergency Hospital



Direction's

Darent Valley Hospital Emergency Department

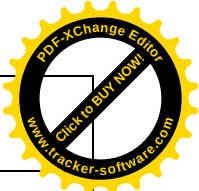
Follow Armoury Dr, Trinity Rd and Wellington St to Parrock St

Continue on Clarence Pl to Wrotham Rd/A227

Continue on Wrotham Rd/A227. Take Watling

St/A2 and A296 to Darenth Wood Rd in Dartford

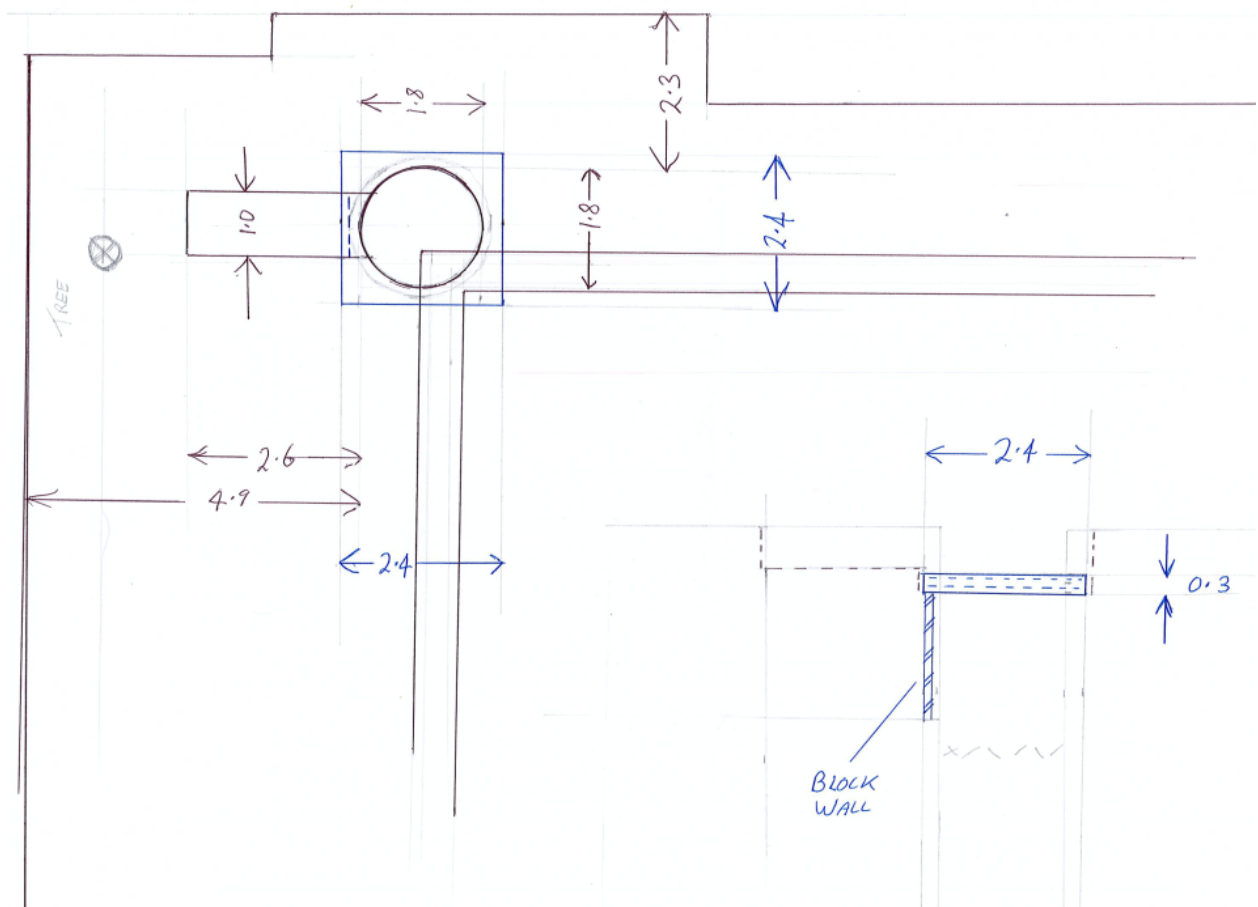
Drive to your destination



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	11 of 31

Appendix 2





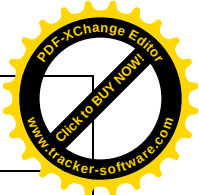
Method Statement

<i>Method Statement Title</i>	<i>Reference Number</i>	<i>Revision No.</i>	<i>Page No.</i>
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	12 of 31

Appendix 3

The following persons have been briefed on the content of this Method Statement and Risk Assessment, have signed to confirm that they understand and will work to the requirements of this safe system of work.

Name	Position	Date	Signature



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	13 of 31

Risk Assessments

The table below is to be used to identify the activities being undertaken as part of these RAMS. Each Risk Assessment should detail to the control measures associated with the task to be adopted, and any residual risk rating and likelihood remaining post control measures.

RA Order No#	Risk Assessment Title	RA Ref No#
1	Demolition with Excavators	09
2	Oxy Propane Cutting	38
3	Storage of Gas Cylinders	51
4	Refuelling, Leaks & Spillage	17
5	Hand Tools - Powered	21
6	Hand Tools – Non Powered	22
7	HAVS	24
8	Dust	13
9	Manual Handling	33
10	Exhaust Emissions	14
11	Loading & Unloading Flatbeds & Low Loaders	30
12	Noise	37
13	Discovering ACM's During Works	10
14	Slips, Trips and Falls	49
16	Leptospirosis	27
17	Staff Working Alongside Excavators	52
18	Work at Height	60

Risk Matrix

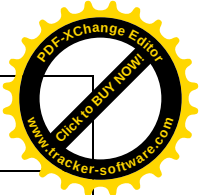
Probability of Harm	Severity of Harm				
	1: Minor	2: Moderate	3: Serious	4: Major	5: Catastrophic
1: Improbable	Low Risk	Low Risk	Low Risk	Low Risk	Low Risk
2: Remote	Low Risk	Low Risk	Medium Risk	Medium Risk	Medium Risk
3: Possible	Low Risk	Medium Risk	Medium Risk	High Risk	High Risk
4: Probable	Low Risk	Medium Risk	High Risk	High Risk	High Risk
5: Likely	Low Risk	Medium Risk	High Risk	High Risk	High Risk

Probability Classification (P)	Severity Classification (S)	Degree of Risk (PxS)
0: Impossible	0: No injury / affect	0: No risk
1: Improbable – Very low probability of such an event occurring.	1 = Minor – Minor accident, resulting in no injuries or lost time, little or no damage to property or the environment.	1 to 5 = Low Risk – ensures controls are adhered to and activity need not alter
2: Remote – Would rarely occur.	2 = Moderate – Potential injury necessitating less than 3 days off work, damage to property or the environment requiring remedial work.	6 to 11 = Medium Risk – tolerable, but efforts should be made to reduce the risk where cost effective and reasonably practicable.
3: Possible – May occur on occasions.	3 = Serious – Accident reportable under RIDDOR 95, serious damage to property or the environment.	
4: Probable – Could occur frequently.	4 = Major – Accident resulting in serious or permanent injury, major or permanent damage to property or the environment.	12 -25 = High Risk – Unacceptable except in extraordinary circumstances, all control measures must be taken regardless of cost.
5: Likely – Very likely to happen unless activity prevented.	5 = Catastrophic – Accident resulting in death or severe disablement, destruction of property, irreversible damage to the environment.	

Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 14 of 31
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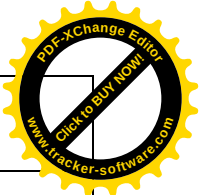
Ref No:	Risk Assessment Activity		
RA09	DEMOLITION WITH EXCAVATORS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Sticking Buried Services	Fumes		Other Contractors
Overhead Service	Collision	Site Visitors	Members of the Public
Falling/injected materials	Excavator overturning	Young Persons	Vulnerable groups
Burst/Leaking hydraulics	Access/Egress	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- Excavator operators shall be trained and competent to CPCS standard or equivalent. - Excavator shall be checked/maintained/serviced by a competent persons at regular intervals as per regulation. - Excavators shall be marked with a unique ID number and safe working load (SWL) - Excavator shall have Certificate of Thorough Examination and shall be inspected at regular intervals by a competent person as required under LOLER 1998. - Operator shall carry out daily inspections using the Daily Plant Checks Document to accurately reflect the condition of the excavator. Any defects are to be reported to management immediately. - Spill kit and plant nappies to be used when refuelling, and in the event of a spillage. - Attachment pins are to be used at all times, and under no circumstances are they to be replaced with re-bar. - Excavators shall be inspected weekly by a competent person as required under PUWER 1998. - Excavators shall be fitted with an amber flashing beacon and a reversing warning system. - Operators shall use the seat belt restraint provided and any other device fitted for the provision of safe operation. - Excavator to be operated a ground level as flat as reasonably practicable. - A trained banksman shall be provided to oversee all excavations works and complicated manoeuvres. - Under no circumstances shall passengers be carried. - Operators shall observe site speed limit at all times. - Mirrors or CCTV shall be provided to allow the excavator operator to have 360 degree vision. - A CAT scan shall be carried out of the area to be excavated prior to work commencing. - Dust suppression systems to be utilized during works. - Under no circumstances is a load to be left elevated. - Under no circumstances are operatives to work under an elevated load, or within close proximity to the excavator without the drivers and banksman's knowledge. - The excavator operating area is to display warning signs and an exclusion zone of the demolition area. - Stop blocks are to be provided when operating near deep excavations. - Operators to ensure excavators are left in a position that allows for their safe access/egress to the excavator. With operators to wear mandatory site PPE during transit to and from the excavator. - Suitable lighting for work areas/traffic routes and plant headlights to be operational. - Edge protection on the back of excavators to be suitable and well maintained. - Ground conditions/floor loading to be assess before use of excavator. - Additional site specific controls to be completed for use of 360 Mini-Excavator. - Demolition Specification requirements for Excavator.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
Manufactures manual/guidance PUWER / LOLER SSOW for the task		Relevant COSHH Assessments Traffic Management Plan HSG144 – Safe Use of Vehicles on Construction Sites	



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	15 of 31

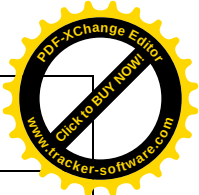
Ref No:	Risk Assessment Activity		
RA17	REFUELING. LEAKS OR SPILLAGES		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Hydraulic Oil Exposure	Exposure to Fuel	Frace Employees	Other Contractors
Slips	Damaged surfaces	Site Visitors	Members of the Public
Environmental damage	Equipment failure	Young Persons	Vulnerable groups
Fumes	Fire	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	4	HIGH
4. CONTROLS MEASURE			
• All fuel bowzers provided on site shall be double bunded. • Access to Bowers is to be locked and only access via 184 Supervisor authorisation. • Additional bund storage shall be provided for substances to stand in, which shall have to capacity to contain at least 110% of the substance in the event of either leak or spillage. • Spill kits, and plant nappies to be provide for use during refuelling, and readily available in the event of a leak. • Suitable numbers of staff on site will be Spill Kit Trained. • ERP for Spill are to be produced within ERP: Fuel Tank Demolition document and briefed out to staff including an Emergency Contact number of a Spill Contractor. Drills are to be carried out periodically to ensure the effectiveness of responses. • All spills shall be cleaned up as soon as is practicable and reported to management. • Spill drills to be conducted at regular intervals. • COSHH Assessments should be read and understood before substance brought on site or used. • Impermeable safety gloves are to be worn when handling substances. • Substances are to be segregated from sources of ignition. • Do NOT eat, drink, or smoke when using the substances, wash hands thoroughly after use. • Plant nappies to be placed under all static machinery specifically during hour of hours. • Any leaking plant or equipment is to be quarantined until repaired. • Plant & Machinery are to be stood on hard standing ground so far as reasonably practicable. • Permeable ground, drains and water courses are to be identified as high risk areas with strategically placed Spill Kits local to the area. • Suitable fire points to be established at relevant areas across site, and placed at locations were required. • Rags used to wipe away drips or residue are to be discarded and not incinerated. • Any defect discovered are to be reported to management and documented in the daily plant checks. • All drivers shall be trained in the safe charging of their vehicles fuel tanks. • Hot equipment/machinery to be allowed sufficient time to cool down before refuelling. • Pouring funnels to be used when manually pouring inserting substance.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
Relevant COSHH Assessments for substances. HSG191 Emergency Planning for Major Accidents. EH40: Workplace Exposure Limits		Environment Agency Pollution Prevention Guidance HSE: Emergency response / spill control	



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	16 of 31

Ref No:	Risk Assessment Activity		
RA21	HAND TOOLS - POWERED		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Flying/Falling materials	Sharpe edges/blades	Frace Employees	Other Contractors
Damaged equipment	High Pressure Air	Site Visitors	Members of the Public
Electricity	Manuel Handling	Young Persons	Vulnerable groups
Cuts / Puncturing	Poor safety features	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- Operatives shall be trained/competent in the use of the tool required with specific training for that item, or briefing training on manufactures instructions. - Work area is to be clean/tidy before work commences and shall be free of obstacles/trip hazards. - Electrically powered tools shall not be exposed to rain or used in wet/damp surroundings unless they are designed and protected for this purpose. - Electrically powered tools shall not be used in the vicinity of combustible fluids, dusts or gases unless they are specially protected and certified for the use in these areas. - Operatives shall select the correct tool for the task that they intend to perform as identified by the manufactures instructions and refrain from overloading the tool. - PPE identified by the manufactures instructions shall be worn in addition to standard site requirements. - Ensure all cables & air lines are managed to eliminate trip hazards as far as reasonably practicable. - Operatives shall not overreach the work area, shall avoid abnormal body postures and maintain proper balance at all times. - Power plug & air lines to be disconnected when the tool is not in use, before servicing and when changing blades. - Tools shall be kept clean, in good working order and adequately stored when not in use. - Tools are to be inspected once a week using the POWER Register Document by a competent person. And visually inspect before use for damage. - Any defects are to be reported to management immediately & recorded on inspection sheets. - Tools are to have a valid PAT Tested by a competent person. - All electrical tools are to be powered using the least amount of voltage practicable i.e. 110v. - Working hours are to be recorded on to a Hand Arm Vibration register as required. - Under no circumstances are vibration exposure limits to be exceeded. - Safety features & protective guards are to be operational & adjusted by the user before start. - All tools to be fitted with the appropriate safety features, and are set to the correct adjustment accordingly by the user before use. - Operatives are not to intentionally miss-use or tamper with anything provided for the provision of H&S. - Pneumatic tools airlines are to be fitted with secure couplers and whip checks arrestors. - Operatives to have sufficient awareness of potential hazards such as asbestos and lead coatings.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
COSHH Assessments for relevant substances HAVS Forms / PAT ACOP L22 Safe Use of Work Equipment		Manufactures Guidance/Manuel Provision Use Work Equipment Regs 1998 PPE Regulations	



Method Statement

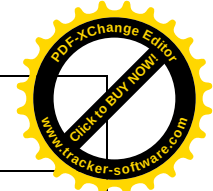
<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 17 of 31
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Ref No:	Risk Assessment Activity		
RA22	HAND TOOLS – NON POWERED		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Flying/Falling materials	Sharpe edges/blades	Frace Employees	Other Contractors
Damaged equipment	Dust	Site Visitors	Members of the Public
Moving parts	Manuel Handling	Young Persons	Vulnerable groups
Cuts / Puncturing	Poor safety features	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	3	4	HIGH
4. CONTROLS MEASURE			
- Operatives are to only use Hand tools having received authorisation, instruction, and training from the Site Supervisor. - Operatives shall ensure the correct tool for the task is selected. - The selected tool shall be in good working order and sufficient to carry out the task. - Operatives shall be trained in the use of the selected tool and competent to carry out the task as per manufactures instructions. - Specific demolition tools are only to be used trained Demolition Operatives. - Toolbox talks are to be given in how to wield hand tools which require physical motion and force as per Manufactures requirements and Manual Handling guidelines. - Operatives shall wear the appropriate PPE for the task identified by the manufactures instructions in addition to standard site requirements. - Operatives using hand tools shall be supervised by a competent person. - The work area shall be suitably free of debris/trip hazards before, during and after work has finished. - Sufficient space will be provided between and around persons using hand tools to prevent collision or impact with others, or others using tools. - Equipment that is discovered to be faulty is to be reported to management, and removed from use. - All tools to be fitted with the appropriate safety feature and set to the correct adjustment accordingly by the user before use. - The user is to ensure all safety features are working correctly before use. - Non-spark, Non-conductive tools to be used. - Operatives shall NOT deliberately miss-use equipment, or tamper with any mechanism provided for safety.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
COSHH Assessments for relevant substances ACOP L22 Safe Use of Work Equipment PPE Regulations		Manufactures Guidance/Manuel Provision Use Work Equipment Regs 1998	

Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 18 of 31
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Ref No:	Risk Assessment Activity		
RA24	HAVS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Damage to Structures	Noise	Frace Employees	Other Contractors
Debilitating Issues	Dust	Site Visitors	Members of the Public
Loss of grip	Joint Pain	Young Persons	Vulnerable groups
Loss of dexterity	Nerve Damage	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- The task shall be planned accordingly, with the SSOW briefed out to all operatives involved in the task. - Equipment with the lowest vibration output to be selected for use so far as reasonably practicable. - Equipment to be used in accordance with the manufactures instructions. - Equipment to be maintained and inspected by a competent person at regular intervals. - Any defects to be reported to management and documented in the PUWER register. - Only trained, and competent operatives to operate vibration producing equipment. - Operatives shall wear the appropriate PPE for the task. - HAVS monitoring shall be carried out, the vibration exposure per operative shall be restricted to as little as possible and NOT exceed the daily exposure limit value of 5m/s squared per 8hr working period. - Aim to keep below 2.5m/s as far as reasonably practicable. - HAVS monitoring records to be kept in the HAVS record folder and made available on request. - Health surveillance to be carried out by Occupational Health nurse to identify those operatives who are approaching or exceed stage one on the Stockholm scale. - Ensure side handles are fitted correctly to tools. - Ensure cutting edges/tips are sharp. - Use anti-vibration gloves were practicable. - Do NOT grip the tool to hard. - Report any ill health to management immediately. - This type of activity should be restricted and avoided were possible. - Should not be carried out during extreme cold or inclement weather. - Regular job rotation system should be managed. - Regular breaks to be scheduled with provision of providing suitable heating. - Persons under 18 or with existing health issues are not permitted to use HAVS tools.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
HSE Control of Vibration at Work Guidance Manufactures Guidance/Manuel Vibration at Work Regulations 2005		Local GP / SBS Nurse HSE: Vibration Calculator HSE: HAV good practice guidelines Construction	



Method Statement

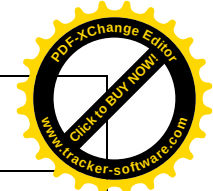
Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	19 of 31

Ref No:	Risk Assessment Activity		
RA13	DUST		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Dust	Eye irritation	Frace Employees	Other Contractors
Cross contamination	Public contamination	Site Visitors	Members of the Public
Systemic illness	Dust migrating to public	Young Persons	Vulnerable groups
Neighbouring Properties	Wind/Gust migration	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	4	HIGH
4. CONTROLS MEASURE			
- So far as is reasonably practicable work methods which limit the production of dust shall be implemented. - So far as is reasonably practicable dust shall be kept below the Workplace Exposure Limit (WEL) of 0.3 mg/m³ over a Time Weighted Average (TWA) of 8 hours. - An appropriate means of dust suppression shall be used for tasks creating dust. - Remote demolition is to be completed in its majority by muncher/grab/bucket demolition, with reduced use of Hydraulic Breaker to reduce dust production from Hydraulic Breaking. - Clean well maintained welfare facilities shall be provided, which shall include showers for dusty works to prevent workers from migrating dust out from the site on their persons when traveling from site. - Any on site drains will be protected to prevent the ingress of excessive silt. - Spoil heaps will be dampened down regularly to prevent gust/wind migrating dust. - Tracking routes will be dampened down regularly to vehicle movements and plant tracking 'kicking up' dust. - Dust level monitoring shall be carried out throughout site especially at the site perimeter and records kept of this. - Operatives will be given regular health screening, which shall include lung function tests. - Operatives shall be given a toolbox Talk on silicosis. - Operatives shall be supplied with appropriate eye protection and respiratory protection equipment (RPE). - Operatives shall be face fitted for and trained in the use of appropriate RPE. - Clean well maintained welfare facilities shall be provided, which shall include showers for dusty works. - So far as is reasonably practicable hand held tools/equipment shall be fitted with dust capture systems. - Waste materials shall be removed on a regular basis to prevent dust-spread. - All dust generating Activities are to be Supervised.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
Air Quality Managements Guidance on Risk Assessment CIS36 – Construction Dust Revision 2 HSG53 – Respiratory equipment at work		EH44 - Dust in the workplace HSG150 – Health and safety in construction MOL Control of Dust Emission Supplementary Guidance	

Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 20 of 31
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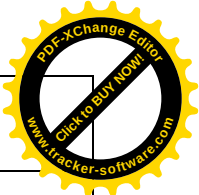
Ref No:	Risk Assessment Activity		
RA33	MANUAL HANDLING		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Load – Size/Weight	Poor technique	Frace Employees	Other Contractors
Lighting & walkways	Hazardous Content	Site Visitors	Members of the Public
Route, distance,	Cuts & abrasions	Young Persons	Vulnerable groups
Slips, trips, falls,	Musculoskeletal injuries	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	4	HIGH
4. CONTROLS MEASURE			
- A visual manual handling assessment shall be carried out by the handlers prior to the commencement of work taking into consideration: the task to be undertaken, the capability of the individual undertaking the task, the load that will be handled & the environment in which the task will be undertaken. - Operatives shall be trained in the method of kinetic lifting via a TBT. - Where possible, lifts by a single person should be kept within the recommended guidelines. Male 25Kgs, Female 15Kgs. - Manual Handling guidance displays will be displayed across site for operative reference. - Operatives shall wear appropriate safety gloves, and steel toe cap boots as identified by the standard site requirements. - A good standard of housekeeping shall be maintained to prevent trip hazards. - Where possible, lifting operations should be carried out in pairs or more where mechanical means are not viable. - The lift should be planned accordingly, outlining what is to be lifted, where it is to be lifted to and the route taken to get it there. - Where ever possible, items that require lifting, should be placed in an area where there is little or no need to bend, twist, and stretch or over reach. - The load should be assessed, ascertaining weather or not it is heavy, bulky or unwieldy, difficult to grasp, unstable or the contents within likely to shift, hot, sharp or dangerous. - The individual should take into account their own ability, strength, height and build. Items should not be packaged so that the majority of the 'normal' workforce has to reply too heavily on the above mentioned factors. - The route that is taken to transport the load should have smooth and even surfaces, be well lit and free from obstacles. This will be done by providing task specific lighting where natural lighting is not available. Designated walkways and route shall be set up to reduce the need to work on uneven surfaces. - If the load requires pulling or pushing a sack barrow or manually operated pallet track shall be provided but must not be used on uneven surfaces. - Loads should be carried close to core of the body - Where ever possible, loads should be spilt up to reduce overall weight - Carrying between levels should be avoided and the use of lifts/chutes should be used where ever possible. - Loads must not be carried over head height			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
http://www.hse.gov.uk/msd/manualhandling.htm HSE – Manual Handling		MAC Assessment PUWER	



Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 21 of 31
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Ref No:	Risk Assessment Activity		
RA14	EXHAUST EMISSIONS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Exposure to Fumes	Burns	Frace Employees	Other Contractors
Reduced visibility	Death	Site Visitors	Members of the Public
Cancer	Ignition	Young Persons	Vulnerable groups
Material Contamination	Lung Disease	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- All plant & equipment will be sufficiently maintained and certified for use to ensure the item runs correctly and efficiently to reduce emissions. - All plant & equipment will be critically inspected on arrival to ensure fit for purpose. - Plant to be suitably maintained and inspected as per PUWER 1998 with a recorded daily & weekly inspection. - Filters and Catalytic converters to be used on Plant and vehicles to reduce emissions. - Ensure exhausts are appropriately positioned to avoid the accumulation of fumes. - Exhaust and fume ejection is to be visually monitored and included as part of the recorded inspection. - Equipment that produces excessive and continuous visible fumes is to be quarantined and repaired. - Ensure fumes are not allowed to muster and are well separated from sources of ignition. - Ensure exhausts are not directed into pits, trenches, excavations or other places of work where fumes can muster. - Ensure exhausts do NOT become blocked, and are properly fitted and maintained. - Do NOT handle used exhausts without PPE flame & heat retardant gauntlets when hot. - Do NOT eat, drink, and smoke when exposed. Wash hands thoroughly after exposure. - Keep plant idling to a minimum, machine turn off when not in use.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
HSE Guidance Control of Exhaust Emissions HSG187		Manufactures guidance/manual EH40: Workplace Exposure Limits	



Method Statement

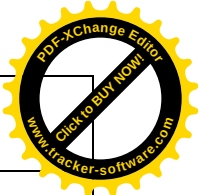
Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	22 of 31

Ref No:	Risk Assessment Activity		
RA30	Loading & Unloading Flat-Beds & Low-Loaders		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Slips	Uneven ground	Frace Employees	Other Contractors
Falls from height	Inclement weather	Site Visitors	Members of the Public
Substance spill	Plant Movements	Young Persons	Vulnerable groups
Falling material	Manual handling	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- Loading and unloading is to be conducted on firm level ground so far as reasonably practicable. - Staff working on the flat bed is to be eliminated where possible by working from the ground. - When working from the flat bed on uneven ground, either fall arrest, or edge protection is to be used. (I.e. collapsible edge protection.) - Access on the off the flat bed is to be undertaken using the access equipment installed on the vehicle. Staff are not to jump on to, or from the flatbed. - Access equipment is to be inspected visually by the user before gaining access, and any defects reported to the fleet office, or responsible person. - Staff are not permitted to stand on the load at any time, unless using controlled access for getting in and out of other vehicles being loaded onto the flatbed. - Stacked / loaded material is to be stacked evenly, with the weights distributed evenly across the flatbed, and the material stacked in accordance with weight starting with the heaviest. - Substances that are to be carried are to be controlled via a COSHH Assessment detailing Tremcard, being secured, and protected by impact so far as reasonably practicable. - On board Spill Kit and Fire Extinguisher to be available suitable to the load. - Fragile items are to be secured using nets rather than chains or straps to prevent/eliminate the potential for the load to collapse, or dislodge during transit, which may cause falling material, or substance leak. - The loading of items onto the flatbed are to be conducted using mechanical aids, where manual handling is required loading is to be conducted from ground level, and edge protection used when handling on the flatbed. - Packing materials (timbers) are to be used to maintain load stability, and even weight distribution where required. - PPE is to be worn when loading and unloading as per site rules. - Additional care is to be taken following inclement weather making surface slippery through ice, or rain. - Additional caution is to be taken when there is inadequate lighting, using personal lights, or vehicle lights to increase visibility. Work on the flatbed is not to be undertaken in darkness. - Loose items stored on the flatbed are to be secured sufficiently to prevent coming loose during transit, and ideally store so they can be access via the ground. - Load securing chains, traps, and nets are to be fit for purpose, being visually inspected before use, and defects reported to the fleet office, or responsible person. - The vehicle driver is to visually inspect all loaded loads before moving to ensure integrity, and before unloading to check for any movement which may have occurred. - Loading and unloading is to be undertaken in a controlled, designated location, unless instructed otherwise by a competent person. - Under no circumstances are persons permitted to work from the flatbed without being briefed on this risk assessment. - Plant to be visually inspected before being unloaded. - Machine operator is to access the Plant via a ladder to the cab door footed by another operative.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
HSE Guidance: Access to work on flatbed vehicles.		Manual Handling & W@H Regulations.	

Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 23 of 31
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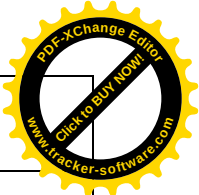
Ref No:	Risk Assessment Activity		
RA37	NOISE		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Hearing loss/damage	Imped communication	Frace Employees	Other Contractors
Tinnitus	Disorientation	Site Visitors	Members of the Public
Headaches	Nuisance	Young Persons	Vulnerable groups
Nausea	Disrupts wildlife	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- Noise levels shall be assessed prior to work commencing which can be obtained from manufactures guidance for equipment. - In the event that noise levels are above the low action limit of 70dbA, hearing protection plugs and/or ear defenders will be provided. - In the event that noise levels are above the exposure limit of 75dbA, where possible plant/machinery shall be placed inside an enclosure to reduce noise levels. - In the event of noise levels being above the higher exposure limit of 85dbA – the works are to be re-assessed to reduce the noise levels to the low level. - Where hearing protection PPE is required to be worn signage shall be put in place to enforce this & to warn persons that they are entering an area of high noise level exposure. - Health surveillance shall be provided for all operatives who work continually in high noise areas. - Job rotation to be employed to limit exposure. - Noise level monitoring shall be carried out around the site perimeter and within the site boundary and via portable hand held devices to gauge point of work emissions. - Placing loud machinery a good distance away from operatives and sensitive neighbours. - Providing training and information to operatives who may encounter loud noise risk areas via TBT's. - Provision of PPE either in the form of ear defenders or in-ear plugs shall be available to operatives whilst on site regardless of noise levels if they request it. - Setting up screens and barriers to deflect sound away from working areas. - Ensuring that equipment is securely fixed or on noise dampening mats to prevent additional noise from vibration. - Equipment shall be maintained at regular intervals to ensure compliance with section 60/61 requirements. - Methods of communication such as hand signals to be utilised by staff operating in areas of high noise or where noise may effect communication.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
http://www.hse.gov.uk/noise/ http://www.hse.gov.uk/vibration/hav/roadshow/al7		Section 60/61 Monitoring results.	



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	24 of 31

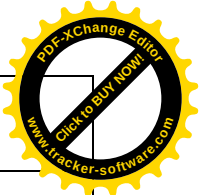
Ref No:	Risk Assessment Activity		
RA10	DISCOVERING ACM DURING WORKS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Exposure to fibres	Pleural Thickening	Frace Employees	Other Contractors
Mesothelioma	Manual Handling	Site Visitors	Members of the Public
Asbestosis	Contamination	Young Persons	Vulnerable groups
Lung Cancer	3 rd Party Exposure	Migrant Workers	Environment
1. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	2	5	HIGH
2. CONTROLS MEASURE			
- Immediately stop work. - Remove yourself and verbally warning others in the immediate vicinity. - Summon the SBS Contracts Manager via radio/phone, and confirm location. - Prevent access to the area until SBS Contracts Manager arrives. - SBS Contracts Manager (or Asbestos Compliance Officer / or onsite Asbestos Supervisor) to don overalls and half mask to assess the substance. - If suspected as Asbestos area is to be isolated to prevent entry. - If material has been disturbed and is exposed to the natural elements, then it is to be covered to prevent further release caused by the elements. - Display warning signage of suspected ACM's. - SBS Management to arrange for a sample to be collected and analysed by an accredited laboratory, as well as air testing if material is internal. - If confirmed as Asbestos, a specialist contractor is to be employed to remove the Asbestos. - SBS Management will arrange a safety meeting with relevant parties to discuss the potential of further unknown similar occurrences of ACM's on site. - If confirmed as NOT asbestos then controls will be permitted to be rescinded. SAFETY NOTE: Do not attempt to contain asbestos without correct controls, training, or instruction. All operatives undertaking demolition are to have Asbestos Awareness Training and be competent in identifying ACM's.			
3. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
4. ADDITIONAL GUIDANCE			
Control of Asbestos Regulations 2012 ACoP - L143 - Managing and Working with Asbestos Manual Handling Risk Assessment		HSG248 – An Analysts Guide to Asbestos HSG264 – A Surveyors Guide HSG247 – A Licenced Contractors Guide to Asbestos	



Method Statement

Method Statement Title Well Chamber Capping	Reference Number FC/MS/ARMOURYDRIVE-00	Revision No. 00	Page No. 25 of 31
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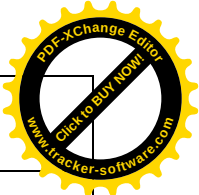
Ref No:	Risk Assessment Activity		
RA49	SLIPS TRIPS & FALLS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Uneven surfaces	Breaks	Frace Employees	Other Contractors
Inadequate lighting	Soft tissue damage	Site Visitors	Members of the Public
Changes in level	Cuts, abrasions	Young Persons	Vulnerable groups
Obstructions	Trailing Cables	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood 4	Severity 4	Risk HIGH
4. CONTROLS MEASURE			
• A good standard of housekeeping shall be maintained throughout Site 184. • So far as is reasonably practicable uneven floor & ground areas shall be eliminated. • Information/safety signage shall be provided of falls and uneven grounds. • All access/egress routes shall remain clear of obstruction at all times. • Edge protection shall be provided to the Site by maintaining the existing handrail and installing perimeter heras fencing. • Equipment for the cleaning of muddy footwear shall be provided in the form of boot clean stations, water, brooms and fixed brooms on metal grating. • All spills shall be cleaned up immediately. • Icy surfaces/pathways shall be treated with rock salt. • Walkways are to be segregated/highlighted where possible to ensure that they are not obstructed by items that may cause a trip hazard. • The contamination of walkways will be avoided by supplying bunds around equipment and fuel containers/Designated waste storage areas. • Any loose/protruding items shall be removed or fixed down to prevent any tripping hazards. • Differences in walkways, low steps or edging shall be highlighted where required with spray paint/line marker • Cables where possible will be run around borders or under cable covers and mats and not across walkways. • Gradients in floor levels to be highlighted where it is not possible to level them. • PPE footwear to have ankle support, fit correctly and be tied properly and be in good condition with sufficient grip or anti-slip soles when working on the Site crown.			
5. RISK RATING (After Controls)	Likelihood 1	Severity 4	Risk LOW
6. ADDITIONAL GUIDANCE			
http://www.hse.gov.uk/slips/			



Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 26 of 31
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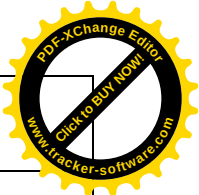
Ref No:	Risk Assessment Activity		
RA27	LEPTOSPIROSIS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Rats	Water courses	Frace Employees	Other Contractors
Taps	Eating on Site	Site Visitors	Members of the Public
Pest Control Traps	Delayed symptoms	Young Persons	Vulnerable groups
Excessive waste	Poor hygiene	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	4	HIGH
4. CONTROLS MEASURE			
• All persons shall be made aware of the Leptospirosis risk at the site induction. • All operatives shall wear safety gloves. • All persons on site to maintain a rigorous hygiene regimen especially when leaving a known contaminated area. • A good standard of housekeeping shall be maintained across site, particular attention shall be paid to kitchen and canteen areas, with all food waste being disposed of into a closed solid bin. • NO eating, drinking or smoking out on site. Hands and face are to be washed thoroughly before doing so. • Dead rats/vermin are NOT to be handled without appropriate PPE and authorisation. • System of reporting visual sightings of rats to management is to be established. • Health surveillance for operatives to be carried to identify any early signs of infection. • If risk is water borne, ensure waterproof PPE is worn, ensure all cuts have waterproof covers. • At risk groups shall not be exposed to contaminated areas. • Operatives to be issued with a Health card to be given to GP if taken ill.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	4	LOW
6. ADDITIONAL GUIDANCE			
HSE Guidance Leptospirosis EH40: Workplace Exposure Limits		Local GP / Nurse	



Method Statement

Method Statement Title	Reference Number	Revision No.	Page No.
Well Chamber Capping	FC/MS/ARMOURYDRIVE-00	00	27 of 31

Ref No:	Risk Assessment Activity		
RA52	STAFF WORKING ALONGSIDE EXCAVATORS		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Crushing injuries	Fumes	Frace Employees	Other Contractors
Falling material	Collision	Site Visitors	Members of the Public
Miscommunication	Excavator overturning	Young Persons	Vulnerable groups
Unawareness	Access/Egress	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- Excavator operators shall be trained and competent to CPCS standard or equivalent. - Excavator shall be checked/maintained/serviced by a competent persons at regular intervals as per regulation. - Operator shall carry out daily inspections using the Daily Plant Checks Document to accurately reflect the condition of the excavator. Any defects are to be reported to management immediately. - Attachment pins are to be used at all times, and under no circumstances are they to be replaced with re-bar. - Excavators shall be inspected weekly by a competent person as required under POWER 1998. - Staff working around the excavator are to be suitably trained with CCDO, and CSCS competency cards. - Instruction is to be given to all staff regarding working around, or within close proximity to moving plant. - Excavators shall be fitted with an amber flashing beacon and a reversing warning system. - Operators shall use the seat belt restraint provided and any other device fitted for the provision of safe operation. - Excavator to be operated a ground level as flat as reasonably practicable. - A trained banksmen/supervisor shall be provided to oversee all works and complicated manoeuvres where excavators are working around or in close proximity to staff. - Under no circumstances shall passengers be carried, or stop on the machine while operating. - Operators shall observe site speed limit at all times, and not operate unless instructed by the banksmen/supervisor. - Mirrors or CCTV shall be provided to allow the excavator operator to have 360 degree vision. - Swell restrictions and reversing restrictions are to be applied. - Dust suppression systems to be utilized during works. - Under no circumstances are operatives to work under an elevated load, or within close proximity to the excavator without the drivers and banksmen's knowledge. - Two thumbs up system to be in use between staff and the plant operator. - Suitable access egress is to be maintain around the excavator for staff and the Operator.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
POWER		CITB: D High Risk Activities	



Method Statement

<i>Method Statement Title</i> Well Chamber Capping	<i>Reference Number</i> FC/MS/ARMOURYDRIVE-00	<i>Revision No.</i> 00	<i>Page No.</i> 28 of 31
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Ref No:	Risk Assessment Activity		
RA60	WORKING AT HEIGHT		
1. GENERAL HAZARDS		2. GROUPS AT RISK	
Falls from height	Snagging	Frace Employees	Other Contractors
Falling tools/materials	Overhead services	Site Visitors	Members of the Public
Suspension injuries	Crushing	Young Persons	Vulnerable groups
Death	Equipment failure	Migrant Workers	Environment
3. RISK RATING (Before Controls)	Likelihood	Severity	Risk
	4	5	HIGH
4. CONTROLS MEASURE			
- When planning work at height consideration shall be given to the effects of weather conditions and under no circumstances shall work at height be permitted where weather conditions have the potential to jeopardise the health and safety of persons. - All operatives involved in working at height shall be trained/competent in doing so and in the task at which they will be undertaking. - Any task which has the potential for persons to fall from around or on top of the Site shall be considered as working at height and so far as is reasonably practicable suitable and sufficient edge protection shall be provided where the main guard rail shall be positioned at least waist height or 950mm above any edge from which persons have the potential to fall - So far as reasonably practicable operatives shall use tethered tools whilst undertaking work at height. - All staff involved are to be signed onto and prepared in the ERP: Work at Height rescue with sufficient trained staff, approved equipment available to perform the rescue. - Measures shall be taken to prevent materials /objects from falling whilst work at height is being undertaken - So far as is reasonably practicable an exclusion zone shall be set up to prevent access to unauthorised vehicles/pedestrians beneath the area where work at height is being undertaken - Suitable and sufficient warning signage shall be put in place. - Work at Height PPE/Equipment is to be Risk Assessed in conjunction with this Work at height Risk Assessment.			
5. RISK RATING (After Controls)	Likelihood	Severity	Risk
	1	5	LOW
6. ADDITIONAL GUIDANCE			
Work at Height Regulations 2005 INDG401- Work at Height a Brief Guide Work at Height Procedure Permits		Fixed Scaffold Risk Assessment Mobile Scaffold Tower Risk Assessment Working with MEWPS Risk Assessment Use of Fall Arrest Harness Risk Assessment	