Dorton Demolition & Excavation limited

# METHOD STATEMENT & RISK ASSESSMENTS

FOR

# ASBESTOS REMOVAL, STRIP OUT, DEMOLITION

AND

# SITE CLEARANCE

AT

# SHEDS 7 & 8 AND OUT BUILDINGS

## SHOREHAM PORT

**22nd September 2021**

**Disclaimer:** This Method Statement is produced as part of the Dde Safe System of Works and is intended to be used as a guide only for the Health & Safety of Dde's site operatives, visitors and adjacent occupiers of the site in question, so far as can be reasonably expected with the actual knowledge and information available to Dde at the time of issue of this document.
As such no reliance should be placed (and Dde accepts no responsibility whatsoever for the consequences of such reliance) on this Method Statement by any person in any contractual arrangement.
This does not affect the statutory rights of any party contracting with Dde under general health & safety law.

**Project Particulars:**

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|---|
| Project Title: Asbestos removal and Demolition of sheds 7 & 8 including out buildings and containers etc |
| Project Location: Basin Road South, Port of Shoreham, Portslade, BN41 1WF. |
| Project Description:<br>Asbestos removal. soft strip/strip out. Provide protective decking over electrical sub-station and live feed heads within the sheds as necessary. Plate all manhole covers and bung all below ground service outlets. Demolish single storey building to ground slab. Demolition steel framed brick and steel profile clad up and over sheds to ground level only. Cut away all columns etc to 150mm below slab and fill with hot asphalt. Remove all arisings from site. |

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| Method Statement No: C5916 | Client Project No: |

| | |
|---|---|
| **Start date: 1st November 2021** | **Completion Date: 6 weeks after commencement.** |

**Author:**

| | |
|---|---|
| Name: Terry Quarmby | Title: Director |
| Signature: | Date: 22nd September 2021 |
| Organisation: Dorton Demolition & Excavation Limited | |

**Approver:**

| | |
|---|---|
| Name: Duke Harvey | Title: Managing Director |
| Signature: [redacted] | Date: 22nd September 2021 |
| Organisation: Dorton Demolition & Excavation Limited | |

[redacted]

# 1.0 Introduction

| 1.1 | **Purpose of Work** |
|---|---|
| | To clear the site area for redevelopment. |
| **1.2** | **Brief description how Work will be undertaken** |
| | The Asbestos removal, soft strip and strip out, including demolition of the buildings and containers will be undertaken by hand working and mechanical means. All arisings are to be removed from site. |

# 2.0 Scope of work

| 2.2 | **Limits of Work and Site Boundaries, including time limits** |
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| | Works to be undertaken from the hours of 07.00-18.30 Monday to Friday and 07.00 – 16.00 Saturdays. 07.00 to 13.00 Sunday.<br>Heras fencing will be used to secure the working areas and along the adjacent perimeters as required. |
| **2.3** | **Completion Criteria** |
| | Leave slab and footings insitu and site areas clear and tidy and graded and to natural contours. Hot asphalt is to be laid in all voids of the slab to leave a flush finish. |

# 3.0 Hazards Identified

| 3.1 | **State how hazards have been identified** |
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| | Dde have examined the site and produced the site-specific hazards detailed in section 3.2.<br><br>The client has not advised regarding a ground investigation report. |
| 3.2 | Hazards<br><br>☒ Noise<br><br>☒ Dust<br><br>☒ Pollution<br><br>☒ Asbestos containing materials<br><br>☒ Live services<br><br>Risk Assessments for the above are included in this document. |

| 3.3 | **Disconnection & termination of 'Live' Services** |
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| | Representation to the utility suppliers for the termination of the current services entering the site areas are to be undertaken by the Client.<br><br>It is expected that the electric will be cut off from the sub-station to the buildings prior to the commencement on site of Dde's work. Disconnection certificates are to be Handed to Dde prior to works commencing.<br><br>Dde will carry out physical checks on known electric service route and place a steel plate over the service run to protect it, if and where required. Scaffold crash decks are to be erected over the live sub-station and any internal live head feeds within the sheds.<br><br>Water is available on site from an external tap and is to be capped on completion of our works. |

# 4.0 Environmental Information

| 4.1 | **Waste & Pollution including control measures** |
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| | All waste materials generated by the works are to be carted from site.<br><br>Waste products are to be evaluated prior to disturbance or removal and an action plan established as to how these products and materials are to be handled. All waste products and residues within containers must be identified and the appropriate action for handling and disposal implemented.<br><br>All potential for pollution or incident, especially within the vicinity of the works, regarding rat & pigeon droppings, legionella, aspergillus's moulds etc should be eliminated or reduced to the lowest expectancy. Materials and containers giving rise to possible spillage or contamination of surrounding ground must be taken from site to be processed at a licensed facility.<br><br>ALL OPERATIVES AND VISITING DRIVERS ARE TO BE FULLY INDUCTED IN THE ELIMINATION & SAFETY PROCEDURES FOR POLLUTION CONTROL MEASURES. |
| **4.2** | **Noise, Dust, Smoke and vapour including control measures** |
| | Noise, vibration and dust assessment to be monitored by the Site Manager on a continuous basis. All operatives to be aware of excessive noise, action levels will be adhered to at all times. Appropriate ear protection to be issued and worn as necessary and according to statutory controls. Dust levels are to be reduced to the minimum possible by careful and selective use of water sprays. |
| **4.3** | **De Watering arrangements and disposal of water** |
| | N / A |
| **4.4** | **Fuels, Oils etc Storage and containment.** |
| | Fuels to be stored in double bunded containers and delivered to site when required, all plant to be re-fuelled using electric or hand pump as provided. All spillages to be reported to the Site Manager immediately. Storage areas are to be fully protected from collision or spillage.<br><br>Spill kits are to be on hand when refuelling machinery. |

## 5.0 Site Facilities

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| **5.1** | **Welfare** |
| | All site based welfare and toiletry will be supplied by Dde for use by Dde operatives. All facilities are to be kept clean and maintained.<br><br>The welfare facilities are to be located at the West end of the site near to the access point. The welfare unit is to be fenced as required. |

## 6.0 Plant and Equipment

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| **6.1** | **Specify Plant and Equipment to be used** |
| | 360° demolition rigs and attachments<br><br>Mobile elevated work platforms<br><br>8 wheeled skip & tipper wagons<br><br>Store unit<br><br>Hop ups, generators, compressors, various tools, including hand tools, recip saws, crow bars, pick axes, hot cutting equipment etc. |
| **6.2** | **Competency requirements to operate or erect plant and equipment** |
| | All operatives using mobile plant shall hold the relevant operator certification, which will be checked prior to operating the plant. A copy of all certificates will be available for inspection.<br><br>The competency of the operators and banksman during the works will be continually monitored. |
| **6.3** | **Inspection and Examination Certificates available for inspection** |
| | A list of all inspection and examination certificates is detailed below.<br><br>☒ 12 monthly examination/weekly inspection<br><br>☒ Test and thorough examination certificates for all lifting equipment. |
| **6.4** | **Temporary Lighting** |
| | Tower mounted flood lights, battery, gas or diesel operated. |
| **6.5** | Emergency calls out numbers are to be provided and issued by the Site Manager should they be required. |
| | As requested |

## 7.0 Personnel Involved

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|---|---|
| **7.1** | **Number of Contractors and Sub contractors** |
| | Dde – Duke Harvey 07836 282898<br><br>The site is to have a register system for all personnel entering the site and are to be inducted in accordance with Dde requirements.<br><br>Visiting Director – Duke Harvey, Terry Quarmby 1 x Site Manager 3 x Machine operators, 4 x demolition operatives.<br><br>Dde to provide and ensure approved PPE will be worn at all times during the duration of the works with additional equipment available. |
| **7.2** | **Supervision Arrangements, including name of person in charge** |
| | Dde Site Manager – Dave Wilson Mob:- 07825 398973. |
| **7.3** | **Competency and Training Requirements, especially in respect of plant and equipment used** |
| | Copies of operative certification will be available for inspection. |
| **7.4** | **Access requirements, Special Conditions** |
| | Operatives will be expected to sign in via the Site office. Induction briefing to be given to all personnel entering the site.<br><br>NO INDUCTION – NO WORK – NO PAY |
| **7.5** | **Client & Principal Designer** |
| | Shoreham Port, Nautilus House, 90-100 Albion Street, Southwick, Brighton. BN42 4ED..<br><br>Contact:- Sally Lungmuss Mobile:- 07707 291662 email:- slungmuss@shorehamport.co.uk |
| **7.6** | **Principle Contractor (Asbestos Removal & Demolition Phase only)** |
| | Dorton Demolition & Excavation Limited, Station Goods Yard, Station Road, Burgess Hill. West Sussex. RH15 9DG.<br><br>Contact: Duke Harvey Mobile:- 07836 282898 email:- duke@dortongroup.com |
| **7.7** | **Licenced Asbestos Removal Contractor** |
| | TBA |

# 8.0 Methodology

| 8.1 | State Method of Work |
|---|---|
| | PROTECTIVE MEASURES<br><br>Heras fencing will be erected to the perimeter of the works. Warning signs are to be visibly displayed on the fencing at appropriate intervals and leading up to the site. The heras fencing will be set 4m in from the walkway at port side and against the back of kerb around other elevations.<br><br>A complete exclusion zone, delineated by the fencing shall be in place around the works access area which will only be relaxed when one or more of the following criteria demands; 1. Access & egress for emergency purposes, 2. at the time of each lorry movement in and out of the site and 3. for the monitoring or site safety inspection regimes necessary to check the safe system of work is effective.<br><br>A water supply is to be maintained for use on site. Water sprays are to be provided as an effective dust control process. These sprays are to be hand held and where practical and possible aimed at localised works.<br><br>Great care and attention is to be given when approaching or leaving the site off Basin Road South<br><br>SERVICES<br><br>All services with the exception of water, are to be disconnected and severed prior to our works commencing. The client is arranged for the electric supply to be disconnected. We are to provide all protection to retained service points and the sub-station.<br><br>ASBESTOS<br><br>The Asbestos Refurbishment & Demolition Survey has been carried out by Tersus.<br>Survey Ref:- J599455 dated 27.04.21. Asbestos cement, paper lined boards, AIB and bitumen and mastic was located within the buildings and surrounding site area.<br><br>The Licensed asbestos removal works will be covered in a separate method statement.<br><br>All operatives are to remain vigilant during works to the possibility of hidden Asbestos within the building structure.<br><br>HAZARDOUS WASTE<br><br>It has not been identified that there is a risk of clinical waste, contaminated / toxic / flammable / explosive substances contained within pipe work or vessels. However due diligence will be given to ensuring that any redundant pipework etc is vented prior to removal.<br><br>All waste including paints, gasses, oils etc are to be collected together on site and stored in a signed fenced area awaiting identification and removal from site by a licenced waste carrier with appropriate paperwork.<br><br>SOFT STRIP<br><br>Soft stripping of flammable materials will take place where practically possible.<br><br>An exclusion zone will be created using heras fencing and signage to warn others of soft strip arisings being ejected via doors and windows on the ground floor.<br><br>All soft stripping materials will include; timber doors, architraving, partitioning, panelling, windows, fittings, furnishings, floor boards and joists, rubbish etc. Salvage of reusable materials shall be implemented so far as is reasonably practicable to do so. |

Operatives will employ hand tools to carry out the bulk of the internal soft strip. These tools will include the following;

Mattock, Bar, Abrasive disc cutter, bow saw etc.

During all soft strip activities, operatives will be advised on the need for vigilance in identifying hazardous substances and or materials. All such substances or materials will be assessed by the site supervisor and the appropriate action taken.

In the event that these identified substances and or materials will pose an unacceptable risk to operatives during their removal, a specialist contractor will be engaged to carry out the works.

Adequate PPE will be worn during all soft strip activities and removal of potential hazardous materials / substances. i.e. gloves, goggles, overalls, respiratory protection, safety footwear etc.

Soft strip materials will be disposed of via suitable waste containers.

Vigilance and care must be the watchword when removal of materials likely to spill or seep / escape to the ground. Such products must always be put inside sealed or secure container.

NON-LICENSED ASBESTOS REMOVAL

The identified asbestos cement roofing sheets and the internal fibre board linings with chrysotile paper backing, together with the steel profile sheet cladding shall be mechanically removed by the 360° demolition rigs.

Water sprays shall be introduced to the underside of the roofs and played onto the debris as it lands on the ground slab. The machines, assisted by hand operation shall separate the scrap material from the asbestos material. The scrap material will be hosed clean and the remainder placed into lockable steel containers dedicated to the transfer of asbestos products.

Only two bays of the roof sections shall be brought down at a time so as to control the build up and clearance of the debris. A complete exclusion zone shall be in place around the whole of this working are and shall be designated a respirator zone. All personnel involved in this work shall wear a mask to P3 standard, type 5 disposable coveralls, gloves and non-lace up boots as a minimum.

Background and personal monitoring will be undertaken on an ad hoc basis to ensure that fibre levels remain low and that the control measures in operation are effective.

It is expected that the reduction of the structures shall be from a central position north to south, turning outwards towards the flanks.

PROTECTION OF SUB-STATION

A specialist scaffolding contractor shall be engaged to erect a protective scaffold crash deck above the live electrical sub-station. The adjoining brick elevation of the shed 7 is a party wall which cannot be left insitu and must be taken down by hand working. The resulting gap shall be covered with heras fence.

Any live feed heads running into the distribution boxes within both sheds shall be isolated and protected by a scaffold frame to prevent damage during the demolition.

DEMOLITION OF BUILDINGS

The single storey building is to be demolished by mechanical plant down to top of slab with all arisings cleared from site.

The demolition process of the sheds is to commence at a central point on 7 shed progressing from the north towards the south and turning east and west towards the gable ends. A section of the sheds shall remain standing at the south elevation to provide a dust and visibility shield to the Basin Road South and adjacent public car park.
The works shall be top down in sequence progressing a bay at a time. No section shall be left unsupported or in a dangerous condition at any stage of the works. If any part section of the roof is to remain overnight it shall be weighted down to prevent the wind from pulling any roofing sheets loose.

A 360° demolition rig equipped with a grab attachment shall reduce the structures to the ground slab. The operator shall separate all materials at source as the works progress through the structure making stockpiles and or loading into waiting containers for removal from site.

A banksman will be positioned at site side elevations during these works to advise on any deviation in the vertical / perpendicular condition of the structure. Control of all or any pedestrian and or vehicular traffic during these operations will be undertaken by the banksmen.

On completion of the building demolition the ground slab is to be left insitu. The steel columns are to be cut off 150mm below slab and the void infilled with hot asphalt. Any kickers or upstands above slab level shall be removed and any uneven areas remaining feathered off with hot asphalt.

The removal of shed 8 shall be undertaken in a similar manner as that explained for shed 7 with the exception that no asbestos roofing materials, other than bitumen has been identified. Where identified bitumen based products shall be removed and deposited into the asbestos waste container.

SITE CLEARANCE

All arisings accumulated from the works shall be separated into their respective materials, loaded into suitable containers and carted from site, to be disposed of at licensed tipping facilities.

The area immediately surrounding the site is to be cleared and arisings disposed of, including rubbish and vegetation.

The site is to be handed over in a safe and clean condition and left to the natural site contours.

GENERAL

Throughout all works, all operatives and visitors to site shall adhere to the Dde site rules and conditions. PPE and RPE commensurate with any given task or statutory requirement shall be worn. Any person who willingly or knowingly chooses to ignore these conditions shall be asked to leave the site and refused any further entry.

Noise and dust levels are to be kept to the lowest expectancy. Operations shall be carried out using the grab or pulveriser where ever possible and practical as opposed to breaking.

## 9.0 Briefing Arrangements

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| **9.1** | **Person responsible for briefing the Method Statement** |
| | The Site Manager shall brief all personnel on the safety aspects to be adhered to during the work by means of a safety induction briefing. All personnel shall then be given a Method Statement briefing on the relevant sections of the operative's duties. |
| **9.2** | **How understanding of Method is confirmed and recorded** |
| | All staff will acknowledge understanding of the Method Statement by signing the Method Statement attendance sheet. The supervisor will answer any questions raised during or after the briefing. |
| **9.3** | **Briefing of whole or specific parts of method statement.** |
| | Demolition Site Manager will brief all operatives on any specific aspects within the Method Statement. |

## 10.0 Safety of All Contract Staff

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| **10.1** | **Control measures for specific health Hazards.** |
| | Minimum PPE to be worn at all times:<br>☒ Hard hats<br>☒ Safety boots<br>☒ High visibility vests<br>☒ Gloves |
| **10.2** | **Services ( Gas – Water – Electricity – Telephones – Sewer – Drainage )** |
| | The Client is to ensure that all services are made safe prior to commencement of the works with the exception of water supply. All services to have a physical cut and certification of disconnection provided. |
| **10.3** | **Permit to Work systems** |
| | The following permits will be in operation during this contract:-<br>None<br>The Dde Manager will issue the above permits; a record of issue will be kept in the site safety plan. |
| **10.4** | **Personal protective equipment requirements** |
| | Safety helmets, safety footwear, high visibility clothing will be worn at all times. Other PPE will be worn as and when required depending on operations being carried out. |

## 11.0 Drawings, Plans & Sketches

Site drawings and those that may be provided by the client will be included within the Site Pack for use by the Site team.

## 12.0 Addendums to the Method

This Method Statement is to be expanded to detail individual operations undertaken on site, on a daily basis, as necessary where such operations may deviate from that which has been explained.

It is the responsibility of the site supervisor to devise the safest system of work available to execute their works in a safe, proper and efficient manner.

All addendums to this method must be made available to the Dde Project Coordinator and/or Safety Manager for their approval of works prior to the commencement of such operations.

The client/agent shall be kept advised of all changes and/or alterations as required.

## ACKNOWLEDGEMENT OF METHOD STATEMENT & RISK ASSESSMENTS

I acknowledge that I have read and understood the method statement and risk assessments associated with this particular project. I understand that this methodology may be changed and or altered to suit the working conditions on site and that I shall be informed of all such alterations.

| NAME | SIGNATURE | DATE |
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# HAZARD / RISK ASSESSMENT

**HAZ/RISK No 001**

| PERSON MAKING ASSESSMENT – T R Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Removal of roofing materials | Falls from height | 3 |
| | Falls of materials | 3 |
| | Falls of tools and equipment | 5 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: A pre-work inspection to be organised to identify areas of structural weakness. Any fragile materials on roofs to be identified by suitable warning notices. Reduce the need to access the roof where at all possible by employing mechanical plant. All operatives engaged in the works to be fully trained and competent.
BEGINNING OF EACH SHIFT: Assess weather conditions, pay particular attention to early morning frost etc.

ACCESS TO THE WORKING AREA: Any fixed access to be inspected and made safe before use. Where a valley gutter or parapet is used as means of access ensure that fragile materials adjacent to the access route are identified, have suitable warning notices posted, and where necessary, are guarded or covered. Where access ladders are to be used these must be securely tied/footed to prevent slipping outwards or sideways. Alternatively employ scaffold or MEWP to gain access. If there is no requirement to climb onto the roof, access can be gained by 'hop ups' etc from floors below. This should be encouraged where ever reasonably practical to achieve.

EXCLUSION ZONE: Erect an exclusion zone below the working area with adequate signage to inform others of the works being carried out above to prevent persons being exposed to falling debris/tools etc.
Ensure through good supervision that control measures are carried out.
Ensure that detailed Method Statement is in place.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

Issue fall arrestor devices in the form of safety harnesses attached to anchorage points capable of sustaining shock loads with a free fall distance of no more than 2m. All safety harnesses must meet British Standard specifications. Ensure through good supervision that equipment is properly used.
Issue PPE in the form of safety helmets, dust masks, safety boots etc.

**Communicate to operatives by** A. Site Induction ☐ B. Tool Box Talks ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

## HAZARD / RISK ASSESSMENT

**HAZ/RISK No 005**

| PERSON MAKING ASSESSMENT – T Quarmby | PROJECT - Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Dismantling of cladding, sheeting, pipework, plant equipment, cabling, steelwork etc. employing mobile elevated working platform (MEWP) and Scissor lift | Falls from height | 3 |
| | Overloading of MEWP | 3 |
| | Overturning of Scissor lift | 3 |
| | Falls of sheeting & other | 4 |
| | Cuts & grazes | 5 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: Inspect surrounding area to highlight any uneven ground, pits etc. Place steel plates over capable of sustaining weight of machinery, men and materials. Ensure certificate held for MEWP. Erect exclusion zone around works area and post warning signs. All operatives engaged in the works to be fully trained and competent.

SAFE LOAD: If stacking sheets on the MEWP calculations for the SWL to be made to the weight of each sheet and or other materials to be made. Strictly no more than the recommended weight calculated to be placed on the working platform at any one time.

SAFE WORKING: Operatives should be provided with and secure safety harnesses when working or stretching outside the safe working platform. Platforms should be positioned to reduce risk of entanglement and structures liable to collapse onto the platform. Always use a platform capable of demonstrating sufficient height and reach to match the task and surrounding environment.

RESCUE: The site supervisor to ensure that a second platform be made ready as a rescue vehicle manned by experienced operatives to enact a rescue of any person who may fall out of a platform or need to be recovered in the event of being stranded on a defective machine.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

PPE e.g. safety harnesses, safety helmets, safety boots, 8810 dust mask, strong gloves.

**Communicate to operatives by** A. Site Induction ☐ B. Tool Box Talks ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 007**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Mechanical Demolition | Premature collapse of part or all of structure | 3 |
| | Debris falling onto machine operator | 3 |
| | Debris falling onto others adjacent to the site | 3 |
| | Debris falling on other operatives on site | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: Site supervisor and machine operator to carry out walk around survey. Ask advice if not sure of building and or structures construction. Machine operator to be competent and in possession of a competence card
EXCLUSION ZONE: Erect physical barriers to prohibit unauthorised persons into the working area. Post warning signs.
SAFE WORKING: Ensure that the machine is large enough to carry out the work at arms length, or that the machine is able to reach the structure safely by creating a raised platform (hardcore base) if necessary.
Establish a safe system of work (Method Statement) and communicate to the operatives.
Employ a banksman during all mechanical demolition.

Ensure through good supervision that the work is being carried out according to the Method Statement

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

PPE Hearing protection, Safety Helmet, Safety Boots, Dust Mask. Gloves , Goggles, High Vis

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 010**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT: Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Soft Stripping | Cuts, Grazes & Abrasions | 4 |
| | Contact with Toxic Materials | 1 |
| | Slips, Trips and Falls | 2 |
| | Foot Penetration injuries | 1 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: Ensure operatives are aware of the hazards that may be present when handling abandoned waste in particular foot penetration etc. Issue operatives with and ensure they wear appropriate PPE together with instructions to wash before eating, drinking or smoking. Confirmation to be received from PC that any 'live' services feeding the working area have been isolated. All operatives engaged in the works to be fully trained and competent.

SAFE WORKING: Ensure a safe system of work is in place and is explained to all operatives. Employ good housekeeping, clear materials from the workplace progressively.
Ensure that no asbestos materials are disturbed during any removal of adjacent soft strip materials.

END OF SHIFT: Remove all tools etc.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

PPE: Gloves, Goggles, Safety Boots, Safety Helmets.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 011**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Maintenance & Refueling of Machines | Contamination of ground, watercourses or drains | 4 |
| | Injury to untrained operatives | 3 |
| | Fire and explosion | 3 |
| | Slips and trips | 4 |
| | Falls from height | 5 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

Ensure there is a designated compound with bunds and barriers in place to contain any spillage's. All transfers of Fuel to be carried out employing pump. Spillages will be dealt with using dedicated spill kits. These spill kits are to be carried on the company vehicles and held within the site containers as a stand by process. The client contractors fire plan to be adhered to. All operatives to be trained in the operation and maintenance of plant/machinery and hold current CPCS Certificates. PUWER / LOLER check sheets to be completed on a weekly basis by all machine operators and any defects brought to the attention of the project director.
SAFE SYSTEM OF WORK: Operatives employing hand pumps or utilizing drain plugs will discharge waste oils into waste containers. Care to be taken to ensure that spillage is eradicated and that no naked flame or heat sources will be applied around these points. Slippy surfaces are to be sanded or covered with non slip materials as necessary. Trip hazards are to be eliminated or at worst reduced and controlled through walkways, signage, hand rails and induction. Climbing onto the refueling platform on the machine shall be undertaken by utilizing the hand rails and hand holds designed into the machine.

WHERE PRACTICAL bring bowser to site to refuel on a 'need to' basis etc. and remove on completion of fueling.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

PPE e.g. Overalls, Impermeable Gloves, Goggles, Safety Boots etc. Half masks to be worn in the event of dust arising from the works.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 013**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Oxy / Propane Cutting | Burns to operatives | 8 |
| | Operatives clothing catching fire | 6 |
| | Bottles exploding | 3 |
| | Adjacent combustible materials or structures Catching fire. | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

BEFORE STARTING WORK: Carry out inspection of surrounding vicinity and remove combustible materials wherever Practicable. Spread sand to area below cutting area if permissable. Adopt a permit to work procedure for all works. All operatives engaged in the works to be fully trained and competent.

EXCLUSION ZONE: Erect physical barriers and warning signs around / below area of works.
SAFE WORKING: All cutting equipment i.e. guns, bottles to be fitted with correct safety valves and flash back arrestors. Ensure fire fighting equipment is on hand during all cutting works. Ensure that all cutting operatives are competent in their task and have had sufficient information, instruction, training & supervision. Cylinders must be properly transported within bottle carts or upright in cages.
END OF TASK: Check area to ensure it is safe to leave. Ensure permit is signed off. All full and empty gas bottles to be stored in a safe area, preferably within a secure compound externally to a building. Propane to be separated from oxygen by a minimum of 3 metres. No storage of bottles within the immediate boundary of any site.

NB: Cold cutting should be employed as an alternative, wherever practicable.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

PPE eg. Gauntlets, protective clothing, Safety boots, Safety helmets, Tinted visor/ Goggles, P3 (high filtration) masks Etc.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

# HAZARD / RISK ASSESSMENT

**HAZ/RISK No 020**

| PERSON MAKING ASSESSMENT – T R Quarmby | PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Dismantling of Steelwork | Falls from height | 3 |
| | Falls of steelwork | 4 |
| | Falls of tools | 4 |
| | Uncontrolled collapse of steelwork | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: Ensure induction carried out highlighting all risk factors relating to dismantling project. Erect Exclusion zone beneath the working area and adequate signs erected starting 'Men working above / Demolition in progress' etc Carry out pre-work inspection to highlight any areas of structural weakness etc. and relay to operatives. Ensure crane used for lifting purposed is of sufficient lifting capacity to carry out the works and hold current certificates etc. All operatives engaged in the works to be fully trained and competent.
SAFE WORKING: Ensure all vessels / steelwork to be cut is clearly marked at separation points prior to separation. Operative to Ensure, through safe working methods, that the integrity of the remaining structure is kept as it is reduced. Ensure, at all times, that There is safe access to the place of works. Adopt a permit to work system for all hot cutting with additional operative engaged to 'FIREWATCH' during all works.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

Hard Hat, Safety Footwear, high Visibility Clothing, Gauntlets, Visor.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 033**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Demolition of Structures adjacent occupied premises | Unauthorised access by others<br>Injury to others within the vicinity<br>Damage to property | 6<br>3<br>3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

BEFORE STARTING WORK: Erect Heras type security fencing to create an exclusion zone for the working area and secure adequate signage depicting works and associated Hazards to this fencing at prominent locations. Close off all adjoining openings and seal against entry. Site supervisor to liaise with all adjoining properties and assess any additional protective requirements which may be needed. All operatives engaged in the works to be fully trained and competent

SAFE WORKING: Carry our work in a safe and methodical manner. Site supervisor to carry out environmental monitoring i.e. dust, noise etc. on an ongoing basis. Where necessary works to be carried out by hand working methods to prevent damage to other properties.

END OF SHIFT: Inspection of all site fencing to be carried out and any defects repaired. All machinery is to be secured and disabled and any access point are to be secured, ladders raised etc. All debris to be cleared from pedestrian areas and trip hazards eliminated.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

Signage and communication with adjoining occupants and or others affected by the works

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 041**

| PERSON MAKING ASSESSMENT – T R Quarmby | PROJECT - Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Removal of asbestos containing products within buildings and designated stripping areas | Fire | 3 |
| | Fibre escapes | 3 |
| | Dehydration & heat exhaustion | 5 |
| | Injury to person whilst in enclosure | 3 |
| | Loss of respirators power | 3 |
| | Manual handling | 6 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: All operatives are to be fully trained and in possession of competence certificates and current medical certificate. Ensure that the emergency procedure as set out by the Principal Contractor is available and read by all operatives with a copy sited within the clean end of the decontamination unit. Plan the emergency route and know the nearest exit to the place of works. Use fire retardant polythene. Ensure PC has made safe any openings to floors etc. All operatives engaged in the works to be fully trained and competent

SAFE WORKING: Hot cutting to be contained and under permit to work procedures. Fighting equipment to be on hand during all works where there is risk of fire. Use wet stripping techniques at all times through pre-injection etc. Ensure plenty of fluids are taken at break times, reduce times in enclosure where necessary. Work safely, use safety knives as opposed to stanley knives ect. Do not overload bags or lift heavy objects ect, seek help at all times. Use lifting aids where possible. Employ shadow vacuuming, spraying of materials and ensure good air circulation within the enclosure. Always ask for personal monitoring a regular basis and check all background monitoring to ensure adequate control measures are effective. Review operating procedures if readings are higher than they should be.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

RPE & PPE. Sealed enclosures, ' H ' type vacuums, pre-injection, sprays and wetting solutions

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 056**

| PERSON MAKING ASSESSMENT – T Quarmby PROJECT - Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| DUST and NOISE: Created during demolition & loading activities | Inhalation by operatives and others | 3 |
| | Hazardous to surrounding vicinity & works | 4 |
| | Damage to eyes | 3 |
| | Damage to hearing | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

BEFORE STARTING WORK: Check with other site staff or nearby occupied premises that they are aware of the operations and likelihood of risk. Ensure that sensitive areas are adequately protected from the works by dust shield or noise damper equipment. All operatives engaged in the works to be fully trained and competent

SAFE WORKING: Controls to eliminate or reduce dust emissions should be in place and noted on the safety plan or method statements. Use of knock down sprays, water bowsers to keep areas damp, specific water sprays to particular points and sheeting of loads in transit should be implemented. Noisy works to be reduced to an acceptable decimal level by use of modern and noise dampened protection systems. All operatives engaged in such works, i.e. use of hand held pneumatic hammers, to be monitored for exposure times, given extended breaks and removed from the work area as often as possible. All other operatives to stay outside of the effected zone so far as is reasonably practicable to achieve.

SITE SUPERVISOR: To carry out Environmental Monitoring during loading, crushing and pull down works. Implement and maintain a safe system of work at all times. Ensure all measures in place are effective. Where this may prove to be inadequate, further measures should be carried out to improve the control and effectiveness of the dust and noise reduction process.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

PPE: ie Safety Helmet, Safety Boots, Gloves, Goggles, Respirators, Dust Masks etc
Monitoring of external areas to be undertaken to ensure that these areas remain unaffected by the works

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 071**

| PERSON MAKING ASSESSMENT – T R Quarmby | PROJECT - Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Dismantling of structure employing mobile elevated working platform (MEWP) or tower scaffold | Falls from height<br>Overloading of MEWP/Tower<br>Overturning of MEWP/Tower<br>Falls of sheeting & cut members | 3<br>3<br>3<br>3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

BEFORE STARTING WORK: Inspect surrounding area to highlight any uneven ground, pits etc. Place steel plates over capable of sustaining weight of machinery, men & materials. Ensure certificate held for MEWP. Erect exclusion zone around works area and post warning signs. Wear appropriate PPE. Assign competent persons to erect tower scaffolding – erect in line with GS7. All operatives engaged in the works to be fully trained and competent

SAFE LOAD: If stacking materials etc. on the Tower / MEWP calculations for the SWL to be carried out. The maximum number of items then calculated to be placed on the working platform at any one time.

SAFE WORKING: Operatives should be provided with and secure safety harnesses when working within the platform and especially when stretching outside the safe working platform.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

PPE e.g safety helmets, safety books, 8810 dust masks, disposable coveralls.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 075**

| PERSON MAKING ASSESSMENT – T. R. Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Removal of asbestos cement & insulation board from structures & surrounding area. | Falls from any height onto surrounding hazards | 3 |
| | Mixing of broken particles with other materials | 4 |
| | Injury from equipment or tools | 4 |
| | Release of asbestos fibres | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

BEFORE STARTING WORK: Employ only trained and competent operatives who are in possession of certificate of competence and a current medical certificate. Erect notices informing of works to clear structure etc. Provide safe access to & egress form the work area (tower scaffold, clear pathway etc.) wear correct PPE /RPE. All operatives engaged in the works to be fully trained and competent

EXCLUSION ZONE: Erect physical barriers to prevent entry by unauthorised persons.

SAFE WORKING: Wet spray a/c sheets to prevent dust / fibre release during removal operation though take care not to over spray sheeting as this will create contaminated waste water. Take extreme care to remove material whole however where breakages occur damp down exposed area to contain fibre release. Use hand tools only.

Place all materials directly into contaminated waste skip for disposal to licensed landfill and seal with 1000g polythene.

MONITORING: Carry out ambient and personal air monitoring to ensure control measures are effective. All air monitoring to be conducted by an independent UKAS Accredited Analyst. In the event that monitoring results shown unacceptable levels of fibre in the air, all work is to be suspended and new control measures introduced to lower the fibre count.

NB: Wherever possible removal works to be carried out from beneath to reduce risk of falls of operatives. (if at Height) When at ground level ensure a clear footing for access & egress.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

PPE eg. Safety Boots, safety Helmet, Disposable Coveralls, P3 (high filtration) dust masks, safety glasses, gloves.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 083**

| PERSON MAKING ASSESSMENT –T Quarmby PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Site Electrics and Gas Services | Electric shock<br>Fire and or explosion | 3<br>3 |

**PROBABILITY** **The likelihood of these hazards to cause harm** **H = High** **M = Medium** **L = Low**

**SEVERITY** **The severity of the injuries from these hazards** **H = High** **M = Medium** **L = Low**

**HAZARD RISK RATING** **H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1**

**CONTROL MEASURES** **Means of reducing the probability / likelihood of these hazards to cause harm**

BEFORE STARTING WORK: Ensure that all 'live' services have been disconnected and or terminated and that there is confirmation of such actions available. When operating electrical equipment designed for use on site, carry out inspection of equipment and ensure all is in good order and has been properly tested in accordance with current legislation. All operatives engaged in the works to be fully trained and competent
SAFE WORKING: Where it is not possible for complete disconnection and or termination of any 'live' services, the said affected areas of work must be made safe by localized disconnection. This action must be carried out by a competent, and trained service engineer. The incoming heads must be suitably protected from contact and or damage during the asbestos removal and or demolition works. The type and amount of protection must be agreed on by all relevant parties before work begins. Where necessary, the protection should be designed as fit for purpose. Where gas supplies may present a risk of escape or when working in a confined space or near to the head, no smoking or naked light shall be present.

For hand tool use, use low voltage equipment only on sites and connected to centre tapped transformer (55v). Never tamper with safety devisces and equipment is faulty do not use it. Ensure all electrics are fitted by a competent person only.

**PROTECTIVE MEASURES** **Means of reducing the severity of injuries or ill health from these hazards**

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 100**

| PERSON MAKING ASSESSMENT – T R Quarmby | PROJECT - Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Removal of Arisings off Site to Public Highway | Contamination of ground, watercourses or drains | 4 |
| | Mud on highway | 5 |
| | Collision with other vehicles and or pedestrians | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

Ensure there is a designated banksman in place to contain any spillages. All such spillage's to be cleared away as soon as is practical. All operatives engaged in the works to be fully trained and competent
All plant operatives to be trained in the operation and maintenance of plant/machinery and hold current CPCS Certificates or equivalent.
All environmental concerns and evidence of contamination must be brought to the attention of the project director.
All mud and soils etc must be removed from the highway as soon as is practical. Where risk of such is envisaged, control measures should be in place to reduce and or eliminate. ie Wheel washers, hoses, rolling roads.
Where reasonably practical, hard core and or stone should be laid and rolled to form a hard even surface.
WERE PRACTICAL bring bowser to site or sweeper brush on a 'need to' basis etc. to keep highway clear.
Where mud etc continues to be a problem, display all necessary warning signs to other motorists and cyclists warning of the hazard ahead. KEEP ON TOP OF THE PROBLEM AT ALL TIMES

Ensure a banksman or dedicated traffic controller is in place where site vehicles need to join a busy road, where traffic speeds warrant such action or where site access conditions are poor etc.

**PROTECTIVE MEASURES** Means of reducing the severity of injuries or ill health from these hazards

PPE e.g. Overalls, Impermeable Gloves, Goggles, Safety Boots etc.

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☐

**SIGNED** **AUTHORITY** **DATE**

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |

**HAZARD / RISK ASSESSMENT** **HAZ/RISK No 138a**

| PERSON MAKING ASSESSMENT – T R Quarmby | PROJECT – Shed 7 & 8 Shoreham Port | DATE 22. 9. 21 |
|---|---|---|

| PROCESS / OPERATION | IDENTIFIED | RISK RATING |
|---|---|---|
| Storage of timber materials from dismantling operations and use of mechanical plant | Sparking / ignition of materials | 3 |
| | Fire from naked flames | 3 |
| | Fire from cigarette ends etc | 3 |
| | Fire from vandalism | 4 |
| | Fire from exhaust etc | 3 |

**PROBABILITY** The likelihood of these hazards to cause harm H = High M = Medium L = Low

**SEVERITY** The severity of the injuries from these hazards H = High M = Medium L = Low

**HAZARD RISK RATING** H+H=9 H+M=8 H+L=7 M+H=6 M+M=5 M+L=4 L+H=3 L+M=2 L+L=1

**CONTROL MEASURES** Means of reducing the probability / likelihood of these hazards to cause harm

FIRE PRECUATIONS: Ensure adequate and suitable fire fighting arrangements are in place within the site area and that where applicable, they are tested and in date. Fire marshal to be aware of correct usage of firefighting equipment and extinguishers and of emergency arrangements in place. All loose paper and other refuse to be removed from the area on an ongoing basis to prevent a build up of easy to ignite flammable materials. Timber stacks to be hosed down to keep damp on a daily basis, weather dependant, i.e. rainy days excepted.
GOOD PRACTICE: Switch off all non working equipment including utility equipment. If equipment found to be faulty it is to be parked up and isolated immediately and reported to the site manager for action. All staff to be vigilant and aware of the potential for equipment failure and risk of fire or personal harm. Keep fuel, oils and other flammable fluids away from the vicinity of stored timber. Fire marshal to ensure that all staff are made aware of the necessity for vigilance against any fire hazard.
MAINTENANCE: Ensure regular checks of all equipment is carried out by a competent person. Site manager to ensure that all staff (smokers) are aware of the risk of fire etc from smoldering cigarette ends and that other flammable materials are removed from the smoking areas. NO NAKED FLAMES ARE PERMITTED WITHIN THE SITE COMPLEX. The site manager/supervisor to ensure that the site fencing and gates are secured at all times against access by unauthorized persons.

**PROTECTIVE MEASURES: PPE / RPE Means of reducing the severity of injuries or ill health from these hazards**

**Communicate to operatives by** **A. Site Induction** ☐ **B. Tool Box Talks** ☑

**SIGNED** **AUTHORITY** HSE Director **DATE** 25. 9. 12

| SITE AUDIT | COMMENTS |
|---|---|
| ARE CONTROLS EFFECTIVE ☐ | |
| ARE OPERATIVES COMPLYING ☐ | |
| IS ADDITIONAL TRAINING NEEDED ☐ | |
| | AUDITED BY DATE |