

ONGRADE- RISK ASSESSMENT

SITE INSTALLATIONS AND THE INSTALLATION & SERVICE OF ELECTRONIC SYSTEMS ON MOBILE PLANT

Introduction

This document identifies the hazards that may be present during the installation of an electronic system on mobile plant and / or a fixed site installation and the necessary control measure to counter the hazard. The **Level of risk** in each case is indicated before and after control measures have been applied.

Prior to entering worksite ensure that any Customer supplied risk assessment documentation and requirements are completed and approved.

Site PPE requirements **MUST** be met as a bare minimum.

| | HAZARD | CONTROL MEASURES |
|---|---|--|
| 1 | <p>Risk of injury from coming into contact with other vehicles on site.</p> <p>Risk Assessment Score 12</p> | <p>Identify safe working area and position machine and service vehicle away from site traffic routes.</p> <p>Wear appropriate high visibility clothing including steel mid-sole boots and hard hat and any additional measures as required by site requirements.</p> <p>It is important to ensure that there is enough clearance around the machine such that the PWS detection zone can be safely checked without the engineer intruding into site traffic routes or any other unsafe area.</p> <p>Risk Assessment Score 4</p> |
| 2 | <p>Slips or trips caused by debris, obstructions or spilled oils or lubricants.</p> <p>Risk Assessment Score 9</p> | <p>Keep working area clear, identify working area clear from trip hazards where possible, dispose of rubbish and oils properly.</p> <p>Risk Assessment Score 3</p> |
| 3 | <p>Risk of injury if machine is started or operated whilst being worked on.</p> <p>Risk Assessment Score 12</p> | <p>Inform site management and operator that machine is out of use, remove key from ignition and keep on person, turn off machine isolator where appropriate following the site lock-off procedure for mobile plant. Risk Assessment Score 4</p> |

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| 4 | Risk of injury caused by objects falling from above. Risk Assessment Score 8 | Identify a safe work area, head protection is mandatory. Clear any loose objects from above before starting work ensuring a general level of good housekeeping. Risk Assessment Score 3 |
| 5 | Risk of injury from falls. Risk Assessment 12 | Use vehicle access points including steps and handrails when working above ground level. Must use access plant when working at roof / high level. Refer to section 12. Risk Assessment Score 8 |
| 6 | Oil or grease contamination of skin. Risk Assessment Score 6 | Wear appropriate PPE such as gloves or barrier cream when working with oils or lubricants. Risk Assessment Score 2 |
| 7 | Hygiene/Biohazards including Bio Aerosols Contact with waste/pests Risk Assessment Score 8 | Site to explain the presence of Bio Hazards and implications and mitigations. Follow site instructions and wear site recommended PPE including appropriate PPE such as gloves, wash hands thoroughly after working Risk Assessment Score 2 |
| 8 | Airborne Dust/Particles Risk Assessment Score 9 | If conditions dictate wear correct PPE – safety glasses Risk Assessment Score 2 |
| 9 | Risk to other pedestrians from contractors work Risk Assessment Score 6 | Cordon off area by appropriate means if the machine is not in a suitably safe area Risk Assessment Score 2 |

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| 10 | <p>Engineer working alone</p> <p>Risk Assessment Score 12</p> | <p>The engineer should be working with another contractor, if not the engineer should make site aware that he may be working alone and should provide contact details for site and also ensure he has the emergency contact numbers for site. He should know the named location of where he is working.</p> <p>Use site provided equipment e.g. Radio if requested.</p> <p>Risk Assessment Score 8</p> |
| 11 | <p>Use of hand tools (including knives) and battery operated power tools</p> <p>Risk Assessment Score 12</p> | <p>Ensure use by competent person only and wear appropriate PPE – gloves.</p> <p>Tools are to be inspected for defects prior to use. Do not use defective tools. Operatives are not to position their hand where it could be struck by a tool if it slips.</p> <p>Risk Assessment Score 6</p> |
| 12 | <p>Risk of Fall from Height</p> | <p>Activity is to be assessed in accordance with Working at Height Regulations / Site regulations and suitable access equipment used as required.</p> <p>Only use vehicle access points and safe working areas.</p> <p>A fall restraint harness must be used when working at height and safe access points when safe working areas are not available.</p> <p>Any access equipment used should be regularly checked and maintained.</p> <p>The person using access equipment should be trained in its use.</p> <p>If a ladder is used (if within site regulations) then it must be correctly footed and secured.</p> <p>Where it is necessary to use a Mobile Elevated Work Platform (MEWP), the following requirements must be observed:</p> <ul style="list-style-type: none"> • Operator to be IPAF qualified • Safety Harnesses required • Plant must have LOLER certificate |

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| | Risk Assessment Score 12 | Risk Assessment Score 3 |
|----|---|---|
| 13 | <p>Risk of Injury from Site Equipment & Infrastructure</p> <p>Risk Assessment Score 6</p> | <p>All hazards to be identified prior to work commencing, and where necessary isolated and locked-off.</p> <p>It is important to ensure that there is enough clearance around the machine such that the PWS detection zone can be safely checked without the engineer intruding into site traffic routes or any other unsafe area.</p> <p>Risk Assessment Score 3</p> |
| 14 | <p>Noise generated from mobile and static plant.</p> <p>Risk Assessment Score 9</p> | <p>If it is not possible to work in a quiet area then follow site guidelines and use hearing protection following site guidelines if required.</p> <p>Risk Assessment Score 3</p> |
| 15 | <p>Manual Handling - Stretching, twisting motions when installing or checking the electronic system.</p> <p>Risk Assessment Score 9</p> | <p>Ensure obstruction free and comfortable access to the system.</p> <p>Risk Assessment Score 3</p> |
| 16 | <p>Weather conditions - Heat, Cold/Icy conditions, Windy.</p> <p>Risk Assessment Score 9</p> | <p>If weather conditions are extreme and deemed unsafe then either move the vehicle to a safe sheltered place of work or wait for the conditions to subside. Ensure vehicle is free of any slip hazards due to the weather before working.</p> <p>Risk Assessment Score 3</p> |
| 17 | <p>Lighting</p> <p>Risk Assessment Score 9</p> | <p>Working outdoors to be done in daylight hours or with adequate lighting after dark. Work can be done indoors if in a well lit workshop.</p> <p>Risk Assessment Score 3</p> |

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| 18 | <p>Gaseous Environment</p> <p>Risk Assessment Score 6</p> | <p>Follow Site Regulations. Use Site provided safety equipment.</p> <p>Risk Assessment Score 3</p> |
| 19 | <p>Asbestos</p> <p>Risk Assessment Score 9</p> | <p>Hazardous areas to be identified before starting work.</p> <p>Hazardous areas to be avoided and a clean safe working area to be provided. Prior to starting work machine to be fully cleaned by customer of hazardous material. Wear any additional PPE provided by the customer.</p> <p>Risk Assessment Score 6</p> |
| 20 | <p>Falling from Height Down Chutes in the Tipping Hall</p> <p>Note that this is specific to FCC Whisby</p> <p>Risk Assessment Score 8</p> | <p>Do not cross the Yellow Safety Line</p> <p>Risk Assessment Score 4</p> |
| 21 | <p>Note: Specific to Refuse Collection Vehicle (RCV)</p> <p>Risk of injury from RCV Bin Lift and RCV Compaction System</p> | <p>RCV Bin Lift operation (required during installation, testing and commissioning of SiteZone RCV Smart Loader system) must be performed with two people present – one to perform the bin lift operation and loading activity during installation, testing and commissioning, the other to monitor the loading activity and activate the Vehicle Emergency Stop if necessary.</p> <p>The engineers present must be trained in the Bin Lift operation and associated hazards prior to testing and commissioning. If unsure seek a trained operative on site to demonstrate the operation and assist in the Bin Lift operation and testing and commissioning as described in the SiteZone RCV Smart Loader Installation Manual section 7.</p> <p>There must be enough room at the vehicle rear for a bin to be loaded safely onto the lift mechanism and the loader stand clear by taking 2 steps backwards.</p> |

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| | Risk Assessment Score 8 | <p>Important : If a vehicle has electrical bin lifts then the test should be performed without the vehicle engine running, this ensures the compactor will not be in operation during the bin lift cycles.</p> <p>Risk Assessment Score 4</p> |
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Risk Assessment Scores have been calculated using the following methodology

| | | Severity of the potential injury/damage | | | | |
|--|--------------------------|---|---|--|---|---|
| | | Insignificant damage to Property, Equipment or Minor Injury | Non-Reportable Injury, minor loss of Process or slight damage to Property | Reportable Injury moderate loss of Process or limited damage to Property | Major Injury, Single Fatality critical loss of Process/damage to Property | Multiple Fatalities Catastrophic Loss of Business |
| 0 – 5 = Low Risk | | 1 | 2 | 3 | 4 | 5 |
| 6 – 10 = Moderate Risk | | | | | | |
| 11 – 15 = High Risk | | | | | | |
| 16 – 25 = extremely high unacceptable risk | | | | | | |
| Likelihood of the hazard happening | Almost Certain 5 | 5 | 10 | 15 | 20 | 25 |
| | Will probably occur 4 | 4 | 8 | 12 | 16 | 20 |
| | Possible occur 3 | 3 | 6 | 9 | 12 | 15 |
| | Remote possibility 2 | 2 | 4 | 6 | 8 | 10 |
| | Extremely Unlikely 1 | 1 | 2 | 3 | 4 | 5 |

NAME: GARY ESCOTT

POSITION: DIRECTOR

SIGNED:



DATE: 25/07/24