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|  | **Lone Working Risk Assessments** |  |

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| **FACILITY** |  | **RISK ASSESSMENT NO:** |  |
| **ACTIVITY** |  | **ASSESSMENT TEAM:** |  |
| **ASSESSMENT DATE:** | **REVIEW DATE**: | **ASSESSMENT APPROVAL**: |  |

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| **TASK** | **HAZARD** | **HAZARD EFFECT (CONSEQUENCE)** | **C** | **L** | **RISK** | **MITIGATED BY** | **C (Reduced Consequence)** | **L** | **REDUCED RISK (ALARP)** |
| Operating heavy machinery alone | Equipment malfunction or misuse | Serious injury, entrapment, or fatality | 5 | 4 | 20 | Ensure regular equipment maintenance, lone worker alarms, adequate training, and communication systems | 3 | 2 | 6 |
| Working at height alone | Fall from height | Severe injury or fatality | 5 | 3 | 15 | Use fall arrest systems, conduct regular inspections of safety gear, provide lone worker monitoring | 3 | 1 | 3 |
| Manual handling tasks | Strains or injuries due to heavy lifting | Musculoskeletal injuries | 4 | 4 | 16 | Provide manual handling training, use lifting aids, and establish check-in protocols | 2 | 2 | 4 |
| Working with electrical systems | Electrical shock or electrocution | Severe injury or fatality | 5 | 3 | 15 | Isolate electrical systems before work, provide insulated tools and PPE, and establish a buddy system | 3 | 1 | 3 |
| Excavation work | Trench collapse | Entrapment, suffocation, or fatality | 5 | 4 | 20 | Shore trenches, provide monitoring equipment, and enforce strict check-in intervals | 3 | 2 | 6 |
| Lone inspections or patrols | Slip, trip, or fall | Minor to moderate injuries | 3 | 4 | 12 | Ensure adequate lighting, clear walkways, and provide lone worker alert devices | 2 | 2 | 4 |
| Handling hazardous substances | Exposure to chemicals or fumes | Poisoning, burns, respiratory issues | 5 | 3 | 15 | Use appropriate PPE, establish emergency response protocols, and ensure lone worker alarms | 3 | 1 | 3 |
| Noise exposure during equipment use | Hearing damage | Permanent hearing loss | 4 | 3 | 12 | Provide noise-canceling PPE and ensure regular breaks | 2 | 2 | 4 |
| Night work on-site | Reduced visibility and isolation | Increased risk of accidents or attacks | 4 | 4 | 16 | Use high-visibility clothing, improve site lighting, and establish regular check-ins | 3 | 2 | 6 |
| Driving alone between sites | Vehicle accident | Serious injury or fatality | 5 | 3 | 15 | Ensure vehicles are roadworthy, provide driver training, and use GPS tracking systems | 3 | 2 | 6 |

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| **Criteria: Consequence ( C )**  **Negligible**- Immediate return to work  **Minor** - First aid and return to work.  **Moderate**- Medical treatment/ lost time  **Major**- Multiple injuries and RIDDOR reportable  **Fatal/Catastrophic-** Death, loss of  installation | **Criteria: Likelihood ( L )**  **Improbable**- So unlikely that it would not happen.  **Unlikely**- Remote chance of event  **Possible**- Inattention may cause an event to happen.  **Probable**- Highly likely without control.  **Certain**- Will happen without Intervention/control. | **Risk Calculator**  Risk level **R= CxL**  1-3 Acceptable  4-6 Moderate  8-12 Substantial  15-25 Intolerable | **Conclusions:**  Working on construction sites is a hazardous activity if the controls proposed are followed this environment can be successfully managed.  Overall risk: Very High - High - Medium **-** Low  Are risks reduced to ALARP (as low as reasonably practicable): **Yes .** |

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| Likelihood→  Consequence↓ | Improbable  1 | Unlikely  2 | Possible  3 | Probable  4 | Certain  5 |
| Negligible 1 | 1 | 2 | 3 | 4 | 5 |
| Minor 2 | 2 | 4 | 6 | 8 | 10 |
| Moderate 3 | 3 | 6 | 9 | 12 | 15 |
| Major 4 | 4 | 8 | 12 | 16 | 20 |
| Fatal/catastrophic 5 | 5 | 10 | 15 | 20 | 25 |

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| 1-3 | 4-6 | 8-12 | 15-25 |
| Low | Medium | High | Very High |