Formal Hazard Assessments and Job Descriptions

**1. Truck Driver – Formal Hazard Assessment**

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| **Assessment Team:** | | | | **Risk (3-15)** | | | | **Assessment Date:** Jan 2020  **Team:**  **Revision #:** 1.2 | | | | |
| **Position Title** | **Work Related Activities**  List all work related activities for each type of work | **Hazards**  List the hazards for each work related activity. List both health and safety hazards | **(H) Health or (S) Safety Hazards?** | **Consequences** | **Frequency** | **Probability** | **Total** | **Average Risk** | **Rank (priority)** | **Controls**  List the proposed engineering, administrative and PPE controls(s) for each hazard.  **Engineering:** Elimination, substitution, Design  **Administrative:** Policies, Procedures, Training, Work Permits  **PPE:** Head Protection, Eye Protection, Foot Protection, hearing Protection, Respiratory Protection, Fire Retardant  Coveralls, High Vis Vest, Fall Protection, Chem Gloves | | |
| **Truck Driver** | Fluids Handling and unit  operation | Working at Heights | S | 3 | 4 | 3 | 10 | **10** | **1** | **Eng:** Manufacturer’s safeguards, Non-slip surfaces | **Admin:** Training, Safe work Practices, Safe Job Procedures | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Moving Parts | S | 3 | 4 | 2 | 9 | **Eng:** Tight-fitting clothing, no jewelry, tie long hair back | **Admin:** Training, Safe work Practices, Safe Job Procedures | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Noise | H | 3 | 4 | 4 | 11 | **Eng:** Low-noise tools and machinery, Well lubricated equipment, Sound barriers where practicable | **Admin:** Safe Job Procedures, Safe work Practices, Training, Policy | **PPE**: Hearing Protection |
| Loading/Unloading Hazards | S | 2 | 4 | 3 | 9 | **Eng:** Manufacturer’s safeguards, Proper lighting, Emergency stop controls | **Admin:** Safe Job Procedures, Safe work Practices, Training, Policy | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |
| Chemical Exposure | H | 3 | 4 | 3 | 10 | **Eng:** Adequate Ventilation | **Admin:** Safe Job Procedures, Safe work Practices, Whmis, Training, SDS | **PPE**: Head Protection, Foot Protection, Chemical Gloves, Chemical Suit |
| Operating  Power Tools | Ergonomic | H | 2 | 3 | 2 | 7 | **9** | **2** | **Eng:** Vibration Dampening handle covers, Manufacturer’s safeguards | **Admin:** Safe Job Procedures, Safe work Practices, Policy, Sufficient Breaks, Work Scheduling | **PPE**: Foot Protection, Hand Protection |
| Flying Debris | S | 3 | 3 | 4 | 10 | **Eng:** Manufacturer’s safeguards | **Admin:** Safe Job Procedures, Safe work Practices, Training | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |
| Defective Equipment | S | 3 | 2 | 3 | 8 | **Eng:** Properly maintained tools, Correct saw blade for material, etc., Lockout/Tagout | **Admin:** Safe Job Procedures, Safe work Practices, Lockout/Tagout Policy, Policy | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |

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|  |  | Moving Parts | S | 3 | 3 | 3 | 9 |  |  | **Eng:** Manufacturer’s Safeguards | **Admin:** Safe Job Procedures, Safe work Practices, Policy, Training, Orientation | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |
| Noise | H | 3 | 3 | 4 | 10 | **Eng:** Low-noise tools and machinery, Well lubricated equipment, Sound barrier where practicable | **Admin:** Safe Job Procedures, Safe work Practices, Policy, Training, | **PPE**: Hearing Protection |
| Electrical Hazards | S | 4 | 3 | 2 | 9 | **Eng:** Manufacturer’s safeguards, Properly maintained tools | **Admin:** Policy, Safe Job Procedures, Safe work Practices, Training | **PPE**: Foot Protection, Hand Protection, Head Protection |
| Utilizing Hand Tools | Ergonomic | H | 2 | 3 | 3 | 8 | **8** | **3** | **Eng:** Use correct tool for job (e.g. A screwdriver is not a chisel) | **Admin:** Safe work Practices, Safe Job Procedures, Work Scheduling, Sufficient breaks, Training | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Flying Debris | S | 3 | 3 | 3 | 9 | **Eng:** Manufacturer’s safeguards | **Admin:** Safe work Practices, Safe Job Procedures, Training | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |
| Blunt Trauma | S | 3 | 3 | 3 | 9 | **Eng:** N/A | **Admin:** Safe work Practices, Safe Job Procedures, Training | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Pinch Points | S | 1 | 3 | 3 | 7 | **Eng:** N/A | **Admin:** Safe work Practices, Safe Job Procedures, Training | **PPE**: Hand Protection |
| Driving | Fueling Hazards | S | 4 | 3 | 1 | 8 | **8** | **3** | **Eng:** Adequate Ventilation, Emergency shut-off systems, Proper lighting | **Admin:** Safe Job Procedures, Safe work Practices, Training | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Distractions & Communication | S | 3 | 5 | 3 | 11 | **Eng:** Seat belt | **Admin:** Safe Job Procedures, Safe work Practices, Safe driving policy, Training | **PPE**: N/A |
| Wildlife | S | 3 | 2 | 2 | 7 | **Eng:** Deer whistles | **Admin:** Safe Job Procedures, Safe work Practices | **PPE**: N/A |
| Ergonomic Hazards | S | 3 | 4 | 3 | 10 | **Eng:** Ergonomic seat and truck cabin | **Admin:** Adherence to Hours of Service legislation, Frequent breaks | **PPE**: Hand Protection |
| Driver Stress | H | 1 | 2 | 2 | 5 | **Eng:** Seat belt | **Admin:** Adherence to Hours of Service legislation, | **PPE**: N/A |
| Fatigue | H | 3 | 2 | 2 | 7 | **Eng:** N/A | **Admin:** Adherence to Hours of Service legislation, | **PPE**: N/A |
| High Traffic Volume | S | 2 | 2 | 2 | 6 | **Eng:** Seat belt | **Admin:** Safe Job Procedures, Safe work Practices | **PPE**: N/A |
| Poor Weather Conditions | S | 3 | 2 | 3 | 8 | **Eng:** Properly maintained truck, appropriate tires for season, fog lights, Seat belt | **Admin:** Safe Job Procedures, Safe work Practices, Training, Safe driving policy | **PPE**: N/A |

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|  |  | Night Driving | S | 3 | 2 | 2 | 7 |  |  | **Eng:** Properly adjusted headlights, seat belt | **Admin:** Safe Job Procedures, Safe work Practices, Training, Safe driving policy | **PPE**: N/A |
| Speeding | S | 3 | 2 | 3 | 8 | **Eng:** Install engine governor, Seat belt | **Admin:** Safe Job Procedures, Safe work Practices, Training, Safe driving policy | **PPE**: N/A |
| Poor Visibility | S | 3 | 3 | 3 | 9 | **Eng:** High-end headlights, Properly maintained vehicle | **Admin:** Training, Safe driving policy | **PPE**: N/A |
| Dusty Roads | S | 3 | 3 | 2 | 8 | **Eng:** Reduced speed on dust –causing roadways | **Admin:** Training, Safe driving policy | **PPE**: N/A |
| Using Road Flares | S | 4 | 1 | 2 | 7 | **Eng:** Manufacturer’s safeguards | **Admin:** Training, adhere to manufacturer’s safe use guidelines | **PPE**: N/A |
| Trailer Hauling | S | 5 | 3 | 3 | 10 | **Eng:** Manufacturer’s safeguards, Ensure proper connection and hook-up prior to journey, Ensure regular maintenance | **Admin:** Training, adhere to manufacturer’s safe use guidelines, weight limits, etc. | **PPE**: Hand Protection |
| Working Alone | Injury / Illness | S | 3 | 3 | 2 | 8 | **8** | **3** | **Eng:** Communication system, Adequate lighting | **Admin:** Safe work Practices, Safe Job Procedures, Communication Policy | **PPE**: Head Protection, Foot Protection, Hand Protection and Eye Protection |
| Site Hazards | H2S Exposure | S | 4 | 2 | 2 | 8 | **8** | **3** | **Eng:** Heat Lamps, Heated Areas | **Admin:** Safe Job Procedures, Safe work Practices, Training, Policy | **PPE**: Personal H2S Monitor |
| Noise | H | 3 | 3 | 4 | 10 | **Eng:** Low-noise tools and machinery, Well lubricated equipment, Sound barrier where practicable | **Admin:** Safe Job Procedures, Safe work Practices, Training, Policy | **PPE**: Hearing Protection |
| Other Contractors | S | 2 | 3 | 2 | 7 | **Eng:** Communication system | **Admin:** Training, Communication policy | **PPE**: High Vis. Clothing, Foot Protection, Hand Protection, Head Protection |
| Mechanical Tasks | Pinch Points | S | 2 | 2 | 2 | 6 | **7** | **4** | **Eng:** Appropriate lighting, Lockout/Tagout | **Admin:** Safe Job Procedures, Safe work Practices | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Moving Parts | S | 3 | 2 | 3 | 8 | **Eng:** Manufacturer’s safeguards, Appropriate lighting | **Admin:** Safe Job Procedures, Safe work Practices | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Noise | H | 3 | 3 | 4 | 10 | **Eng:** Low-noise tools and machinery, Well lubricated equipment, Sound barrier where practicable | **Admin:** Safe Job Procedures, Safe work Practices, Training, Policy | **PPE**: Hearing Protection |
| Chemical Exposure | H | 2 | 2 | 2 | 6 | **Eng:** Adequate Ventilation | **Admin:** Safe Job Procedures, Safe work Practices, Whmis | **PPE**: Head Protection, Foot Protection, Hand Protection, Chemical Gloves, Eye Protection, Coveralls |
| Ergonomic Hazards | H | 2 | 2 | 2 | 6 | **Eng:** Appropriately designed equipment, proper hand tools, ergonomic maintenance facility | **Admin:** Safe Job Procedures, Safe work Practices | **PPE**: Head Protection, Foot Protection, |

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|  | Exposure to | Dehydration | S | 1 | 3 | 3 | 7 | **7** | **4** | **Eng:** N/A | **Admin:** Training, Policy Frequent Breaks | **PPE**: N/A |
| Heat Stress | S | 2 | 3 | 2 | 7 | **Eng:** Shaded Areas, A/C Roofing | **Admin:** Training, Policy Frequent Breaks | **PPE**: N/A |
| Sun Burn | S | 1 | 3 | 3 | 7 | **Eng:** Shaded Areas, Roofing, Sunscreen | **Admin:** Training, Policy Frequent Breaks | **PPE**: Head Protection, Foot Protection, Hand Protection |
| **Overall Risk Factor** | Frostbite | S | 3 | 3 | 2 | 8 | **Eng:** Heat Lamps, Heated Areas, Hand warmer | **Admin:** Training, Policy Frequent Breaks | **PPE**: Head Protection, Foot Protection, Hand Protection |
| Administrative Duties | Ergonomic | H | 1 | 4 | 1 | 6 | **6** | **5** | **Eng:** Properly designed work space, Ergonomic equipment | **Admin:** Safe work Practices, | **PPE**: N/A |
| **7.7** | Communication | Ergonomic | H | 1 | 4 | 1 | 6 | **6** | **6** | **Eng:** Headset for phone, Ergonomic radio equipment | **Admin:** Safe work Practices – office Safety | **PPE**: N/A |