Formal Hazard Assessments and Job Descriptions

# 7. Field Worker – Formal Hazard Assessment

**Assessment Team:**

# Work Related

# Hazards

### Risk (3-15)

**Assessment Team:**

# Controls

**Date:** Jan 2020

**Revision #:** 1.2

# Position Title

**Activities**

List all work related activities for each type of work

List the hazards for each work related activity. List both health and safety hazards

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

Working at Heights

**(H) Health or (S) Safety Hazards?**

**Consequences**

**Frequency**

**Probability**

**Total**

**Average Risk**

**Rank (priority)**

#### S 3 4 3 10

**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

## Fluids Handling and unit

operation

Noise

H 3 4

### 10 1

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

**Field Worker**

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**

**Eng:** Vibration Dampening handle covers, Manufacturer’s safeguards

**2**

**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



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

Ergonomic

8

#### H 2 3 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

## Utilizing Hand Tools

Flying Debris

9 **8**

#### S 3 3 3

**3 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

Fueling Hazards

#### S 4 3 1 8

**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

## Driving

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 **8**

**3 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

8

#### S 3 2 3

**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



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

H2S Exposure

#### S 4 2 2 8

**Eng:** Heat Lamps, Heated Areas

**Admin:** Safe Job Procedures, Safe work Practices, Training, Policy

**PPE**: Personal H2S Monitor

## Site Hazards

Noise

#### H 3 3

4 10 **8**

**Eng:** Low-noise tools and machinery,

1. 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

Pinch Points

#### S 2 2 2 6

**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

## Mechanical Tasks

Noise

#### H 3 3

4 10 **7**

**Eng:** Low-noise tools and machinery,

1. 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,

Dehydration

S 1 3 3 7

**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

Exposure to

Sun Burn

S 1 3 3 7 **7 4 Eng:** Shaded Areas, Roofing,

Sunscreen

**Admin:** Training, Policy Frequent Breaks **PPE**: Head Protection, Foot Protection,

Hand Protection

Frostbite

S 3 3

2

8

**Eng:** Heat Lamps, Heated Areas, Hand **Admin:** Training, Policy Frequent Breaks **PPE**: Head Protection, Foot Protection,

warmer Hand Protection

**Overall**

**Risk Factor**

Administrative

Duties

Ergonomic

6 **6 5**

H

1

4

1

**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