# FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 16:45
Valid for this shift / task only
Highest risk after controls: Medium

## 1. BUSINESS AND JOB DETAILS

| | | | |
|---|---|---|---|
| **Job** | Backflow prevention device testing | **Start date** | Nov 9, 2026 |
| **Working hours** | 7:00 am to 3:30 pm | **Trade** | Plumbing |

## 2. JOB STEPS, HAZARDS AND CONTROLS

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| 1 | Find the device and set up cones if it is near a driveway or road | Road traffic<br>Public entering the work area | **Critical Possible / Fatality** | 1.1 Do the work at low-traffic times, or close the road or lane with approval. [Elimination]<br>1.2 Put solid barriers between the work and traffic where speeds are high, not just cones. [Engineering (guarding)]<br>1.3 Use a truck-mounted attenuator or buffer vehicle on high speed roads. [Engineering]<br>1.4 Set up signs and cones to your provincial traffic control manual, with trained traffic control persons. [Administrative]<br>1.5 Get a road occupancy permit from the municipality or road authority before you start. [Administrative]<br>1.6 Park work vehicles to shield the work zone, with beacons on. [Administrative]<br>1.7 Wear high-visibility clothing to CSA Z96. [PPE]<br>1.8 Fence off the site with secure temporary fencing and lock the gates when you leave. [Engineering (guarding)]<br>1.9 Give pedestrians a safe, marked path around the work, with ramps for strollers and wheelchairs. [Engineering (guarding)]<br>1.10 Use hoarding, covered walkways or catch fans where work is above public areas. [Engineering]<br>1.11 Put signs at each entry: site name, contact number and "No unauthorised entry". [Administrative]<br>1.12 Make the site safe at the end of each day: cover holes, lower buckets and booms, remove ladders and lock tools away. [Administrative]<br>1.13 Use a spotter when moving equipment or materials across public paths. [Administrative] | **Medium Rare / Fatality** | Site supervisor |
| 2 | Open the pit or cage, checking for spiders, snakes and sharp edges | Bites and stings<br>Cuts from sharp edges<br>Falling through a floor opening or void<br><br>Rules: Provincial OHS regulation, fall protection | **Critical Possible / Fatality** | 2.1 Check work areas before starting, and get pest control to remove nests. [Elimination]<br>2.2 Look before you reach into dark spaces. [Administrative]<br>2.3 Ask owners to keep pets away from the work area. [Administrative]<br>2.4 Know who has allergies and keep their medication, such as an epinephrine auto-injector, close by. [Administrative] | **Medium Unlikely / Lost time injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | 2.5 Wear gloves, long sleeves and boots. Use insect repellent outdoors. [PPE]<br>2.6 Deburr or cover sharp edges, and fit edge protectors on exposed sheet metal. [Engineering]<br>2.7 Use knives with retractable or self-retracting blades. [Engineering]<br>2.8 Cut away from your body and keep your other hand clear. [Administrative]<br>2.9 Put used blades in a blade bin or sharps container. [Administrative]<br>2.10 Use two people to handle large sheets of metal or glass. [Administrative]<br>2.11 Cover every hole and penetration with a fixed, secured cover marked "HOLE" or "DANGER". [Engineering (guarding)]<br>2.12 Put guardrails with toe boards around stairwells, lift shafts, voids and open edges. [Engineering (guarding)]<br>2.13 Install stairs early and fit temporary handrails as soon as they go in. [Engineering]<br>2.14 Never remove a cover or guardrail without approval. Put it back straight away. [Administrative]<br>2.15 Inspect covers and barriers daily and after other trades have been through. [Administrative] | | |
| 3 | Tell the site the water will be off, then isolate the device | Working in an occupied home or building<br>Stored energy | **Medium**<br>**Possible / Lost time injury** | 3.1 Plan noisy, dusty or risky work for when the building is empty. [Elimination]<br>3.2 Close off the work area with barriers, plastic sheeting or locked doors, and put up signs. [Engineering (guarding)]<br>3.3 Keep fire exits and paths clear at all times. [Administrative]<br>3.4 Tell occupants before you turn off power, water or gas, and before noisy or dusty work. [Administrative]<br>3.5 Lock away tools, chemicals and materials each day, out of reach of children. [Administrative]<br>3.6 Clean up dust and debris at the end of each day. [Administrative]<br>3.7 Release or block all stored energy before work: release the pressure in pipes, tanks and hoses, bleed hydraulics, release springs, lower loads. [Elimination]<br>3.8 Lock out and tag all energy sources with personal locks. [Engineering (guarding)]<br>3.9 Put mechanical blocks or props under raised parts like buckets, tipper bodies and doors. [Engineering]<br>3.10 Test that the system is dead and nothing can move before you start. [Administrative]<br>3.11 Follow the maker's procedure, for example for garage door and roller door springs. [Administrative]<br>3.12 Wear safety glasses and gloves. [PPE] | **Low**<br>**Rare / Serious injury** | Site supervisor |
| 4 | Connect the test kit and run | Pressure testing | **Medium** | 4.1 Test with water instead of air or gas where the system | **Low** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | the test | High pressure water jetting | **Unlikely / Serious injury** | allows it. Never put water in refrigerant pipework, which is tested with dry nitrogen. [Substitution]<br>4.2 Keep people out of the test area with signs and barriers. [Engineering (guarding)]<br>4.3 Use a calibrated gauge and a relief valve set to protect the system. [Engineering]<br>4.4 Test to the pressure the system calls for and hold it for the set time. Never go over. [Administrative]<br>4.5 Release the pressure fully before tightening anything or fixing leaks. [Administrative]<br>4.6 Wear safety glasses or a face shield. [PPE]<br>4.7 Set an exclusion zone around the jetting area. [Engineering (guarding)]<br>4.8 Use a dead man's trigger that stops the jet when released, and check hoses and fittings before use. [Engineering]<br>4.9 Only trained operators use high pressure jetting gear. [Administrative]<br>4.10 Never point the lance at anyone or put a hand in front of it. [Administrative]<br>4.11 Treat any jetting injury as serious and go to hospital, even if it looks small. [Administrative]<br>4.12 Wear a face shield, waterproof clothing, gloves, hearing protection and safety boots. [PPE] | **Rare / Serious injury** | |
| 5 | Restore supply, tag the device and lodge the report | Slips and trips<br>Poor housekeeping and waste | **Medium Likely / Minor injury** | 5.1 Plan walkways and keep them clear of materials, hoses and leads. [Elimination]<br>5.2 Run leads and hoses overhead on hooks or stands, or along walls, not across walkways. [Engineering]<br>5.3 Fill or cover holes, and lay boards or mats on muddy access paths. [Engineering]<br>5.4 Clean up offcuts, packaging and spills as you go, not at the end of the day. [Administrative]<br>5.5 Keep work areas, stairs and access paths well lit. [Administrative]<br>5.6 Wear safety boots with good grip, laced up. [PPE]<br>5.7 Order materials to size and send packaging back where you can. [Elimination]<br>5.8 Put waste bins and chutes close to the work. [Engineering]<br>5.9 Clean as you go, and do a full clean up at the end of each day. [Administrative]<br>5.10 Keep exits, stairs and walkways clear at all times. [Administrative]<br>5.11 Stack materials neatly on level ground, away from edges. [Administrative]<br>5.12 Wear gloves when handling waste. [PPE] | **Low Unlikely / Minor injury** | Site supervisor |

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

## 3. PPE AND PERMITS

| Required PPE | Permits and plans |
|---|---|
| CSA green triangle safety boots (CSA Z195)<br>Work gloves<br>Safety glasses (CSA Z94.3)<br>High-visibility vest (CSA Z96)<br>Coveralls<br>Cut-resistant gloves<br>N95 respirator<br>Face shield<br>Hearing protection | Lockout permit |

## 4. PLANT AND EQUIPMENT

| Plant / equipment | Licence or training needed | Inspection needed | Rego / ID | Last inspected | Certificate / report |
|---|---|---|---|---|---|
| Electrical test meter | | | | | |
| Hand tools | | | | | |

## 5. CREW COMPETENCY, TICKETS AND LICENCES

Crew listed at sign-on below, with ticket and licence numbers.

## 6. EMERGENCY ARRANGEMENTS

| | | | |
|---|---|---|---|
| **Emergency number** | 911 | **First aid kit** | In the work vehicle |
| **Fire extinguisher** | In the work vehicle | **Alarm and evacuation** | Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance. |
| **Reporting incidents** | Report serious incidents to the provincial regulator as required. | | |

## 7. MONITORING, REVIEW AND LEGAL BASIS

The supervisor and crew review this assessment at the start of the shift, whenever the task, crew or conditions change, and before any new work process starts. Re-assess and initial the changes below.

Legal basis: Provincial occupational health and safety law (e.g. Ontario OHSA and O. Reg. 213/91, BC OHS Regulation, Alberta OHS Code). Employers must identify hazards before work starts and control them, and workers must be told about them. A field level hazard assessment is done on site, at the start of each shift or task, and reviewed again when conditions change.

Keep completed hazard assessments for at least 3 years (COR auditors sample the last 12 months). Review this FLHA and re-sign whenever the task, crew or conditions change.

## 8. PRE-JOB CHECKS

| Check | Yes | No |
|---|---|---|
| PPE inspected and in good condition | | |
| Tools and equipment inspected | | |
| Permits reviewed and posted | | |
| Locates valid and on site (if digging) | | |
| Barricades or warning ribbon in place | | |
| Muster point and emergency plan reviewed with the crew | | |
| SDS available for products used | | |
| Working alone check-in set up (if anyone works alone) | | |

## 9. RE-ASSESSMENT WHEN CONDITIONS CHANGE

| Time | What changed | New hazards | Controls | Initials |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

## 10. END OF SHIFT REVIEW

| | | | |
|---|---|---|---|
| **Completed at** | | **Reviewed by** | |
| **Area cleaned up and safe** | | **Permits closed** | |
| **Incidents or near misses** | | **Hazards remaining** | |

## 11. REVISION HISTORY

| Rev | Date | By | What changed |
|---|---|---|---|
| 1 | Nov 9, 2026 | | First issue |
| | | | |

| Rev | Date | By | What changed |
|---|---|---|---|
| | | | |

## 12. SIGN-OFF

| | Name | Signature | Date | |
|---|---|---|---|---|
| **Prepared by** | | | | |
| **Supervisor** | | | | |
| **Prime contractor review** | | | | Accepted for use: Yes / No |

By signing below, each worker confirms they took part in this hazard assessment, it was reviewed with them before work started, and they will follow it. Stop and re-assess if anything changes.

| Name | Role / company | Tickets / licences | Signature | Date |
|---|---|---|---|---|
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| Name | Role / company | Tickets / licences | Signature | Date |
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