


| Job Title: | | Concrete Cut Off Saw (Gas Axe) | | Operations Approval (Name; Position): | |
|---|----------------|---|-------------------------------|--|------------------------------|
| JHA Developed By (Name; Position): | | | | | |
| JHA Revised By (Name; Position): | | | | HSE Approval (Name; Position): | |
| JHA Revision Date: | | | | Dean Neuburger; Director, OHS&E | |
| Job Steps | | Potential Hazards | Risk Rating (Before Controls) | Hazard Controls | Risk Rating (After Controls) |
| 1 | Tool Selection | 1.Unintended Use selecting the wrong tool for the job | C4 | 1. Read and understand the manufacturer's user manual. Select the correct tool and use the tool in the way it was intended to be used by the manufacture, ask for assistance if needed. Do not use the tool if you do not know how to operate it safely. Watch hand and body placement. Stretch and flex before starting task. | C5 |
| 2 | Inspecting Saw | 1.Cuts/Lacerations/Punctures from disabled or missing safety devices 2.Defective tool use follow the appropriate tag/lockout procedures to remove a defective tool from use 3.Musculoskeletal Injuries from lifting the tool incorrectly 4.Crush Injury from dropping the tool 5.Pinch Points from dropping the tool or rolling the tool over your fingers | C3 | 1. Inspect the tool before you pick it up and check for sharp edges, wear CR gloves and watch hand placement. 2. Ensure the tool is disconnected from the power source before you inspect the tool. 3. Tag/lockout unsafe tools or ones that need maintenance and report them to your supervisor. Never use a tool that is missing a safety device or is damaged. 4. Always pick up or hold the tool with both hands while inspecting and inspect the tool on a stable surface, away from an edge. 5. Keep your hands out of the line of fire; do not roll the tool over your hands. Wear all site specific PPE | C5 |
| 3 | Using Saw | 1. MSI from the tool jamming in the material, kicking back, not carrying the tool properly or carrying too many tools at once, jams from dull blades or bits. 2. Slips/Trips/Falls from ice and/or snow, uneven ground, ruts, tools and debris on ground. 3. Cuts/Lacerations/Punctures from exposed blades, metal, contact with materials, inattention, or distraction. 4. Amputations from improper tool use. 5. Struck by material not secured properly, tool jamming in material, falling material when cut 6. Eye injuries from flying debris 7. Hearing Loss from high levels of noise | B2 | 1. Ensure you are properly trained and authorized to operate the tool. Ask your supervisor if you have questions and do not use a tool if you do not know how to operate it safely. Sign out the tool before you remove it from the tool crib. Ensure the tool is equipped with blades and drill bits that are sharp and in good condition. Keep proper hand placement and posture/body position. 2. Ensure your work area is sanded and/or wear traction aids as needed. Watch your footing, wear work boots that are in good condition, clean as you go and always keep your work area free of debris, material and tools. 3. Keep your hands away from sharp edges and blades, always wear CR gloves, check the material for sharp exposed edges; remove as required. Stay | D4 |

| | | | | | | |
|--------------------------|--|---|-----------|---|----|----------|
| | | <p>8. Electrocution from faulty tools, wet and outdoor use.</p> <p>9. Caught in moving parts from jewelry, loose clothing or long hair</p> <p>10. CO2 poisoning from use inside without proper ventilation and /or breathing equipment</p> | | <p>focused on the task at hand so as to not get distracted.</p> <p>4. Only use the tool as per the manufacturer's instructions. Ask your supervisor if you have questions and do not use a tool if you do not know how to operate it safely.</p> <p>5. Keep your hands out of the line of fire, ensure the material is secured before cutting, clamp material when drilling, hang onto the tool correctly to prevent kick-back, keep the material from pinching against the tool, prevent the cut material from falling, communicate with other workers in the area of possible falling material and use a spotter if required to create a safe zone.</p> <p>6. A face shield MUST be worn in addition to sealed safety eyewear when operating the concrete cut off saw.</p> <p>7. Wear hearing protection to prevent hearing loss.</p> <p>8. Disconnect the tool from the power source when not in use or when unattended and always use GFI outlets. Ensure electrical cords are not sitting in water.</p> <p>9. Do not wear any jewelry or loose clothing when operating tool and ensure long hair is tied back</p> <p>10. Never operate gas powered saws inside without the proper ventilation and /or breathing equipment.</p> | | |
| 4 | Performing Maintenance, Adjustments or Repairs | <p>1. Unauthorized personnel completing tool maintenance</p> <p>2. Cuts and/or Punctures from disabled or missing safety devices.</p> <p>3. Defective tool use follow the appropriate tag/lockout procedures to remove a defective tool from use</p> <p>3. Musculoskeletal Injuries from lifting the tool incorrectly</p> <p>4. Crush Injury from dropping the tool</p> <p>5. Pinch Points from dropping the tool or rolling the tool over your fingers</p> | C3 | <p>1. Only competent, qualified and authorized workers can repair tools. Ensure the tool is disconnected from its power source before beginning any maintenance.</p> <p>2. Inspect the tool before you pick it up and check for sharp edges, wear CR gloves and watch hand placement.</p> <p>3. Ensure the tool is disconnected from its power source, fill out and attach the "remove from service" tag to the tool. Place the tool in the appropriate location so the repairs can be completed.</p> <p>4. Always pick up or hold the tool with both hands while inspecting and inspect the tool on a stable surface, away from an edge.</p> <p>5. Keep your hands out of the line of fire; do not roll the tool over your hands. Wear all site specific PPE.</p> | C5 | |
| Highest Task Risk Rating | | | B2 (High) | Highest Task Risk Rating | | D4 (Low) |

| Safety Guidelines Required For task | | | | | | | |
|-------------------------------------|----------------------|---------------------|---------------|-------------------|---------------|--------------------|--|
| Process | PPE | Health | Training | Environment | Security | | |
| Pre Job Hazard Analysis | Arc flash coveralls | Yak tracks - Cleats | Nitrile glove | Bear awareness | Spill kit | Working Alone | |
| FLRA | Disposable coveralls | Goggles | Hand Washing | CTEC | Drip trays | Daylight time only | |
| JHA review | Ear plugs | Face shield | Ergonomics | CSTS | Traffic Mgt. | Guards & barriers | |
| Signage (Safety/Wet Floor) | Ear muffs | Cut gloves | Other | Confined space | Wildlife Mgt. | Journey Mgt. | |
| Spotter | Hard hat | Chain-mail gloves | | Fall protection | Bear spray | Buddy system | |
| LOTO | Harness | Leather gloves | | Fire extinguisher | Air horn | Radio contact | |
| PTW (Permit to Work) | Lanyard | ½ Respiratory mask | | LOTO | Vibration | ERP contact list | |
| Toolbox | Life line | Other | | Loader | Ventilation | Other | |
| Ventilation | Knee pads | | | Skid steer | Other | | |
| SDS review | Sealed eyewear | | | Spill responder | | | |
| Fall Protection Plan | Steel toed boots | | | TDG | | | |
| Barricades | | | | WHIMIS | | | |
| Temp logs and verification | | | | Other | | | |
| Other | | | | | | | |

| Probability | Severity | | | | | | |
|-------------|---|--|---|---|---|---|---|
| |  | Catastrophic Death or multiple life-threatening principals | Major Life threatening injury or multiple serious injuries causing hospitalization | Moderate Significant serious injury Non-permanent injury | Minor Medical Help needed, Treatment by medical professional | Insignificant Injuries or ailments not requiring medical treatment | |
| | | 1 | 2 | 3 | 4 | 5 | |
| | A | Almost Certain: Almost certain to occur in most circumstances | 1 | 1 | 1 | 2 | 2 |
| | B | Likely: Likely to occur frequently | 1 | 1 | 2 | 2 | 2 |
| | C | Possible: Possible and likely to occur at some time | 1 | 2 | 2 | 2 | 3 |
| | D | Remotely Possible: May occur in rare and exceptional circumstances | 2 | 2 | 2 | 3 | 3 |



HSE Safety Management System

Job Hazard Analysis

[illegible][illegible]