



Safe Work Procedure Angle Grinder

Department and Program: Physical Plant Maintenance

Date First Approved: October 2018

Date Updated: February 2023 Version 2.0 SWP-PP-GEN-013

This Safe Work Procedure must be reviewed any time the task, equipment, or materials change and at a minimum every three years.

DO NOT perform this procedure until you have been appropriately trained and authorized to do so.

Required Training

- Trained by an experienced competent person

Required Personal Protective Equipment and Devices



Eye Protection Required



Approved Dust Mask Required



Face-Shield Required



CSA Approved Safety Footwear Required



Long or loose hair must be tied back or contained



Hearing Protection Required



No jewelry, watches, rings, necklaces etc.



Leather Gloves Required



No loose fitting clothing

Potential Hazards

- Cuts, lacerations and amputations
- Dust/debris irritation
- Noise
- Projectile work pieces/tools from improper set up or speed setting
- Burns
- Sparks
- Fumes
- Hot materials

Pre-Operational Safety Checks

1. Hot work permit where required
2. Choose the correct grinding disk/wheel for the job
3. Inspect required personal protective equipment and replace if required.
4. Ensure no slip/trip hazards are present in workspaces and walkways.
5. Make sure guards, if present, are installed and are working properly.
6. Faulty equipment must not be used. Immediately report suspect machinery.
7. Locate and ensure you are familiar with the operation of the ON/OFF starter.
8. Disconnect power supply before changing or adjusting grinding wheels

Prohibited Activities

- De-energize while unattended

Safe Work Procedure

1. Put on all required personal protective equipment

2. Make sure all guards are in place, properly adjusted, and secured. Check grinding wheel carefully for cracks or damage before operation.
3. Make all adjustments with power cord unplugged.
4. Ensure power switch is on OFF position before plugging in. Check that cord is away from path of tool.
5. Remove any wrenches and adjusting tools before turning ON.
6. Ensure that work piece is properly secured, clamp if necessary.
7. During use, keep power cords clear of tools and the path that the tool will take.
8. Keep power cords away from heat, water, oil, sharp edges and moving parts. They can damage the insulation and cause a shock
9. Turn power ON and allow motor to come to full speed before using. (Anticipate torque on start-up).
10. Perform operation safely and at a moderate pace; use the specified surface of the wheel to perform the grinding.
11. Turn power OFF and allow machine to stop before setting down.
12. Clean up dust and debris with POWER OFF.

If an emergency situation occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.

REPORT ANY HAZARDOUS SITUATION TO YOUR INSTRUCTOR/SUPERVISOR IMMEDIATELY

Housekeeping

1. Ensure equipment is off
2. Place all materials in their proper storage areas
3. Ensure the equipment and area is safe, clean and tidy before you leave it

Guidance Documents/ Standards/ Applicable Legislation/ Other:

Guidance Documents:

- Operator's Manual

CSA Standards:

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Manitoba Regulation 217/06:

- 2.1 Safe Work Procedures
- 6.1 Personal Protective Equipment
- 12.3 Hearing Protection
- 16 Machine and Tool Safety

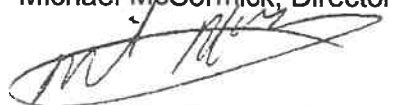
Date Written: 2017/08/04

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Date Revised:

Approved By: Michael McCormick, Director of Physical Plant

Signature: _____



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