



Safe Work Procedure

DRAIN CLEANING

Department and Program: Physical Plant Plumber

Date First Approved: October 2018

Date Reviewed: February 2023 Version 2.0 SWP-PP-PLU-002

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

Equipment orientation. Read and understand safe work procedures.

Required Personal Protective Equipment and Devices



Eye Protection Required



Face-Shield Required



CSA Approved Safety Footwear Required



Hearing Protection Required



Protective outer Gloves Required



Protective Clothing Required



Long or loose hair must be tied back or contained



Latex inner gloves when operating this equipment



No loose fitting clothing

Potential Hazards

- Musculoskeletal injury
- Biological splashes
- Moving parts
- Electrical shock
- Chemical exposure- splashes and burns
- Pinch/whip/twist injuries from cable

Pre-Operational Safety Checks

- Ensure no slip/trip hazards are present.
- Inspect cord for damage or ground plug removed.
- Inspect machine before use and verify it's working properly.
- Inspect cable for defect or wear and tear.
- Inspect personal protective equipment and replace if necessary

Prohibited Activities

- Do not use if cord is damaged or altered.
- Do not use this machine without the sleeve.
- Do not use around water
- Do not leave this equipment unattended while running

Safe Work Procedure

1. Put on all required personal protective equipment.
2. Once in work area, make sure floor is dry and level. Do not use in wet area.
3. Position machine so that drum opening is within 2 feet of drain inlet or properly support exposed cable when distance exceeds 2 feet.

CAUTION: Check area for combustible materials / liquids.

4. Inspect drain and determine access point to the drain, size and length of drain, distance to main, type of blockage, presence of chemicals if any.
5. If needed, remove fixture (water closet, sink, etc.) to gain access to drain. Do not feed cable through a fixture.

6. Determine the correct tool for the job, and install on the end of the cable.

CAUTION: Ensure the machine is in the OFF position when making any adjustments and before starting.

7. You must be able to control the cable, foot switch, and for/off/rev switch at the same time.

8. Press foot switch to start machine, advance cable by moving the feed lever into the advance position and it engages and advances the cable. Always keep one hand on the cable as you feed the cable into the drain you will feel the cable load or wind up. Don't let the cable buildup outside the drain.

9. When the cable winds up or stops turning, move the feed lever to the retrieve position to remove cable from blockage. Once free, slowly return cable to the blockage and dwell there to break up blockage. Once the drain is open, pour water down drain to flush debris out of the line. While water is running, retrieve cable from line by moving feed lever in opposite direction that drum and cable rotate. 10. Once the cable is just inside the drain opening, release the foot switch. Allow the drum to come to a complete stop before removing from drain.

CAUTION: DO NOT pull the cable from the drain while it is still rotating. It could whip around and cause serious injury.

10. Place switch in the OFF position and unplug machine. Pull remaining cable from the line by hand and place in cleaner.

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

- Ensure equipment is off.
- Place all materials in their proper storage areas.
- Ensure the equipment 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

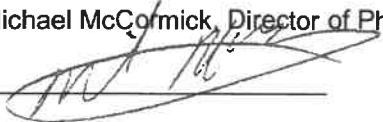
Date Written: 2016/05/27

Procedure Developed By: John Carter-Squire/ Denise Merrill/ Ian Smith

Date Revised: November 6, 2017

Approved By: Michael McCormick, Director of Physical Plant

Signature: _____



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