

Power Trowel Operation

<b>Facility:</b>	<b>Written By:</b>	<b>Approved By:</b>	<b>Date Created:</b>	<b>Date of Last Revision</b>

<b>Hazards Present:</b>	<b>PPE or Devices Required:</b>	<b>Additional Training Required:</b>
Revolving trowel blades	Hard Hat	
Chemical burns (lime)	Eye protection	
Noise	Hearing Protection	
Impact with handle	Appropriate Footwear	
Hot Surfaces		
MSI (handling machines)		

**Safe Work Procedure:**

1. Read and understand the manual that accompanies your power trowel.
2. Don PPE before beginning the task. Ensure clothing fits properly.
3. Inspect the machine before use. Look for leaks, missing parts, broken welds, or other damage. If repairs are needed, lockout the tool and notify your supervisor. Only qualified personnel are to perform repairs.
4. If machine is to be operated in an enclosed space, ensure adequate ventilation. An exhaust scrubber should be installed on the machine. A CO monitor should be used if numerous machines will be working in the same enclosed area.
5. Visually check to be sure the blades are free of obstructions.
6. Inspect the work area. Ensure all hazards are dealt with before work starts. All openings in the floor must be covered over or have a guardrail system installed. Lighting must be adequate.
7. For walk-behind trowels:
  - Ensure the centrifugal drive system disengages properly. The handle of the trowel should not turn as the starter rope is pulled.
  - Do not place your foot on the ring guard when starting the engine or severe injury can occur if your foot slips through the ring guard as the blades start to spin.
  - Move the throttle lever to the idle position. Start the trowel. Check for proper operation of the emergency kill switch.
  - Keep other personnel out of range of the handle in case of loss of control; the trowel will rotate around its drive axle until the centrifugal kill switch stops it.
  - If control of the trowel is lost, stay clear and do not attempt to regain control until the trowel has stopped moving. The handle may revolve several times before it stops spinning.
8. For ride-on trowels:
  - Start the trowel and ensure all gauges and warning lights function properly.
  - Check the operation of all controls. If repairs or adjustments are needed, lockout the tool and notify your supervisor. Only qualified personnel are to perform repairs.
  - Do not keep buckets, tools, or other objects on the trowel that may fall into the blades during operations

***If an emergency situation occurs while conducting this task, or there is an equipment malfunction, engage the emergency stop and follow the lock out procedure***

**REPORT ANY HAZARDOUS SITUATIONS TO YOUR SUPERVISOR**

<b>Guidance Documents/Standards:</b>  MB Workplace Safety & Health Act & Regulations:	This Safe Work Procedure will be reviewed any time the task, equipment or materials change and at a minimum of every three years
	Reviewed By WSH Committee:
	Date: