



### Mixer Truck Drum - Cleaning Inside

Developed by:	Approved by:	Date created:	Last revision:
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Possible Hazards Present	Personal Protection Required	Additional Training	
<ul style="list-style-type: none"> <li>- Overhead hazards</li> <li>- Falling debris</li> <li>- Dust</li> <li>- Heat</li> <li>- Lighting</li> <li>- Confined space</li> </ul>	<ul style="list-style-type: none"> <li>- CSA Safety Glasses/Footwear</li> <li>- Hearing Protection (Muffs &amp; Plugs)</li> <li>- Hard Hat</li> <li>- Leather Gloves</li> <li>- Respirator Mask</li> <li>- 5-point Body Harness</li> </ul>	<ul style="list-style-type: none"> <li>- Confined Space Entry</li> <li>- PPE</li> <li>- Fit Test</li> <li>- First Aid</li> </ul>	
<ol style="list-style-type: none"> <li>1. Ensure all workers involved have received confined space and first aid training.</li> <li>2. Gather PPE required for the job.</li> <li>3. Review work to be done (toolbox meeting)</li> <li>4. Complete Confined space entry permit, including information on truck and workers to be involved.</li> <li>5. Gather and inspect all tools required.</li> <li>6. Position mixer truck in designated area and ensure park brake is set and operating properly.</li> <li>7. Initiate lock out procedure. Remove keys from ignition and place in pocket of first person to enter confined space. Ensure battery is disconnected or turn off master switch to remove all energy source. Install orange lockout label on drivers door to mixer truck.</li> <li>8. Post completed confined space entry permit on mixer truck (preferably adjacent to hatch used for entry and exit)</li> <li>9. Place padding material on the bottom of the hatch opening to ensure electrical cords do not come into contact with metal edge eliminating the chance of compromising the cords and causing electrocution.</li> <li>10. Other workers assigned to the task shall act as a safety watch person. They are responsible to hand tools through the hatch and act as a "buddy" to the person in the confined space. The watch person SHALL NOT leave the truck area at any time when another worker is in the mixer drum.</li> <li>11. Watch person and worker in the mixer drum shall alternate positions every 30 min or as needed so as not to unduly fatigue and one individual.</li> <li>12. Worker shall use appropriate tools (hammer, chisel, jack hammer) to remove precast concrete in small manageable pieces. Any piece too large to be discharged through the chutes should be handed through hatch to the safety watch person.</li> <li>13. NEVER chip concrete overhead. If required, remove tools, exit mixer, re-connect battery or turn on master switch, place key in ignition and start truck. Rotate mixer 1/4</li> </ol>			



- or 1/2 turn. Remove key and place in pocket, disconnect battery or shut off master switch. Re-enter mixer until task is complete.
14. If necessary, repeat last 4 steps until task is complete.
  15. Once cleanout is complete, pass tools through hatch to safety watch person and exit mixer.
  16. Clean hatch and flange, install gasket and re-install hatch.
  17. Re-connect battery or turn on master switch, remove orange lockout tag from truck door and place key in ignition.
  18. Ensure drum is not in discharge, start truck, move it to appropriate location and discharge rubble.
  19. Complete confined space entry permit and file accordingly.
  20. Inspect and return all tools to appropriate location.

**\*\*NOTE:** Although cleaning of the mixer truck drum is primarily an off season task normally completed in the cooler months, it may be necessary to complete this procedure on an emergency basis during the summer/warmer months. It is imperative that this task not take place in direct sunlight. This can increase the inside temps to unbearable levels and can decrease the oxygen supply within it, placing worker at a a greater risk. If required the truck must be placed in a shaded area (shop or out building), ventilated as per safe job procedure, and monitored of oxygen and temp levels within the drum must be done on an ongoing basis. Workers must be closely monitored for heat exhaustion and must take more breaks to insure their core does not overheat.

**Documentation/Legislation**  
 Workplace Safety and Health Regulation,  
 M.R. 217/2006

15 Confined Space  
 12 Hearing and Noise Control  
 6.15 Respiratory Protective Equipment

**This Safe Work Procedure will be reviewed anytime the task, equipment or materials change and at a minimum every three years.**