



### Rip Rap Machine & Related Equipment

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>- Electrical</li> <li>- Working at heights, Ladders, Falling</li> <li>- Overhead hazards</li> <li>- Excavations</li> <li>- Traffic</li> <li>- Communication</li> <li>- Mobile Equipment</li> </ul>	<ul style="list-style-type: none"> <li>- CSA Footwear</li> <li>- CSA Safety Glasses</li> <li>- Hard Hat</li> <li>- Gloves</li> <li>- High Visibility Clothing</li> </ul>	<ul style="list-style-type: none"> <li>- Loader Orientation</li> <li>- Rip Rap Machine Operation</li> <li>- Generator Orientation</li> <li>- PPE</li> </ul>	
<ol style="list-style-type: none"> <li>1. Check all fluids on feeder, loaders, and generator (oil, coolant, hydraulic fluids, Etc.)</li> <li>2. Start machines and allow time to warm up (at least 5 mins - longer for winter operation).</li> <li>3. Ensure main breaker is turned off and generator door is locked (lockout procedure.</li> <li>4. Grease all points on loaders a minimum of once a day.</li> <li>5. Grease rock plant (all bearings at both ends of each conveyor) a minimum of once a day.</li> <li>6. Clean out (shovel) around the bottom of conveyors and around plant (errant rocks etc.)</li> <li>7. Unlock generator door and turn on main breaker switch.</li> <li>8. Start main take away belts. Ensure there are no strange noises and that they are running smooth.</li> <li>9. Start cross-over belt. Ensure there are no strange sounds and that it's running smooth. Adjust scraper accordingly.</li> <li>10. Start feeder. Ensure there are no strange sounds and that it's running smooth.</li> <li>11 Set feeder speed at 45 to begin. Once material feed rate is established when loading is started, speed can be adjusted accordingly.</li> <li>12. Ensure loading ramp is level and secure, begin loading material into plant.</li> <li>13. As loading material continues, watch plant, conveyors, etc. for signs of malfunction (sudden stops, plugs, jams, smoke, etc.).</li> <li>14. Watch conveyor belts to be sure they are running centered on head rollers. Adjust accordingly immediately to prevent machine/belt malfunction.</li> <li>15. Take away sorted product as it's produced to ensure that overstocking of piles does not occur.</li> <li>16. Watch end of long conveyor (stacker) to ensure that the pile does not build to a point that it interferes with the belt (move stacker accordingly).</li> <li>17. Ensure that all material is cleared from the individual equipment pieces prior to shutdown.</li> </ol>			



18. Shut down all belts and feeder.
19. Allow generator to cool down for at least 5 minutes prior to shutting it down.

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

6 Personal Protective Equipment  
16 Machines, Tools and Robots  
20 Vehicular and Pedestrian Traffic  
22 Powered Mobile Equipment

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