

# North Dakota State University

## Jackhammers & Tampers

### I. Introduction

NDSU employees are continually exposed to construction projects in various stages. Each project brings unique challenges and duties to staff. By outlining and following the recommended safe operating procedures, we learn to prevent injury and safeguard ourselves and coworkers against a job related injury or death.

### II. Purpose

To reduce the risk of work related injury or death by maximizing personal safety during construction and mechanical operations.

### III. Goals

To ensure all employees know and understand the safe operating procedures involved with construction and mechanical operations.

### IV. Procedures

#### A. General Safe Operation

1. Only authorized and trained personnel shall use the equipment.
2. Keep visitors away and NEVER allow children in the work area during operation.
3. Appropriate Personal Protective Equipment (PPE) is mandatory while equipment is in use. It may include, but is not limited to the following:

Goggles/Face Protection	Hearing protection
Gloves	Respirator
4. All tools shall be inspected, and or tested for proper working order each day before use.
5. Any tools found not in proper working order, or that develops a defect during use, shall be immediately removed from service, tagged and not used until repaired.
6. Adjustments or repairs shall not be made on running equipment.
7. Always disconnect a power tool from the power source before cleaning or making adjustments to the tool (Lockout/tag out Program).
8. Each operating control shall be protected against unexpected or accidental activation.
9. All belts, shafts, gears, and other moving parts must be fully enclosed or guarded, in a manner to present no hazard to the operator.
10. When using a power tool, give the tool your full and undivided attention.
11. Do not operate the tools if you cannot see the working surface clearly.
12. Do not distract or disturb another worker who is operating a power tool.
13. Ensure that cords and hoses are positioned so they do not become trip

hazards.

14. Ensure that the power source for a hydraulic or pneumatic tool is the correct pressure for the tool.
15. All pneumatic power tools shall be secured to the hose by some positive means to prevent the tool from becoming accidentally disconnected.
16. All electric power-operated tools shall either be of the approved double insulated type or grounded.
17. Do not use electrical tools in areas where water is present.
18. For jobs with excessive vibration, extra protection shall be provided to decrease hand and arm fatigue, reduce vibration and increase comfort. Contact your immediate supervisor for direction and additional PPE.
19. Rotation of job duties/tasks shall be increased and/or additional breaks shall be allowed during jobs that involve excessive vibration and repeated impact of industrial power tools and equipment.

#### **B. Training**

The department supervisor is responsible for providing training to their employees, on a regular basis, to enable them to recognize and prevent hazards associated with jackhammers and tampers.