



and the winner is...

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Objectives

Understand

- How the NRCS deals with safety related to construction activities.
- The role of the OSHA and MNOSHA regulations.
- NRCS Safety policy.
- Where to go for guidance and answers to safety related questions.
- How to do your part to insure that the work is carried out in a safe manner.

Learn

- To recognize potential hazards and safety violations.

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Introduction

Why is NRCS concerned?

- Our employees safety and the safety of others
- We have third party liability. We may be labeled first party in some instances.
- NRCS employees should be competent in recognizing unsafe conditions.
- Know what options for action are available in every work situation we may encounter.

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Learn to Recognize Potential Hazards and Safety Violations



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Safety Statistics

- Construction was the industry with the highest total injury and illness rates per 100 FTE workers
- Each day, approximately 345 Minnesotans are hurt at work or become ill from job-related causes
- In 2001, 76 Minnesotans were fatally injured on the job
- Twenty-seven percent of injured workers had been with their employers for less than one year.

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Who is in charge?

- OSHA sets the ground rules
- MNOSHA takes OSHA rules and goes a step further
- NRCS General Manual spells out rules specifically for our employees and those benefiting from our technical support

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OSHA

Occupational Safety and Health Administration

- **December 29, 1970**
President Richard M. Nixon signed the Occupational Safety and Health Act of 1970.
- OSHA is charged with making sure that, "No contractor (or employee) shall require any laborer or mechanic employed in the performance of the contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health or safety."
- Part 1910 - Occupational Safety and Health Standards
- Part 1926 - Safety and Health Regulations for Construction

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MNOSHA

- State Occupational Safety and Health Plans
 - Section 18 of the Occupational Safety and Health Act of 1970 (the Act) encourages States to develop and operate their own job safety and health programs. OSHA approves and monitors State plans.
- Minnesota employers under the jurisdiction of MNOSHA must comply with both the federal OSHA standards adopted by reference and Minnesota Statutes and Rules.

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NRCS Policy

- General Manual
 - Title 110 - Management
 - Part 402 - Safety and Health Standards for Non-NRCS Employees
 - Title 360 - Personnel
 - Part 420 - Safety and Health Management Program

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NRCS Policy

- General Manual
 - Title 110 - Management
 - Part 402 - Safety and Health Standards for Non-NRCS Employees
 - Subpart A - Policy
 - "Therefore, whenever NRCS participates in any activity, standards for reasonable conditions of safety and health are to prevail. These standards must be made clear to all participants—the owner, the contractor, and NRCS personnel. Responsible NRCS officials are to be fully informed about actions to take when violations occur, and they are to make certain that other participants are informed."

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NRCS Policy

- General Manual
 - Title 110 - Management
 - Part 402 - Safety and Health Standards for Non-NRCS Employees
 - Subpart A - Policy
 - "“Reasonable standards” are standards that are in accordance with Federal (OSHA), State, and local laws and regulations and other safety and health practices prescribed by the owner."

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NRCS Policy

- General Manual
 - Title 110 - Management
 - Part 402 - Safety and Health Standards for Non-NRCS Employees
 - Subpart A - Policy
 - "“Significant violations” are conditions that are an immediate threat to the owner, the contractor, or NRCS personnel; for example, equipment working in very close proximity to electric lines or natural gas lines, laborers working in a deep trench without shoring where soil conditions are unstable, or a bulldozer operating on a very steep slope."

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NRCS Policy

- General Manual
 - Title 110 - Management
 - Part 402 - Safety and Health Standards for Non-NRCS Employees
 - Subpart A - Policy
 - Subpart B - Contracts, Projects, and Technical Assistance
- "The landowner or operator and the contractor are responsible for conducting the operations in a safe manner. However, significant violations observed by NRCS that are an immediate threat to the safety of the owner, the contractor, or NRCS personnel are to be brought to the attention of the landowner or operator and the contractor. If the significantly unsafe conditions are not corrected, NRCS assistance is to be withdrawn until the condition is corrected."

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Action in response to serious noncompliance

- Discuss your concerns with the contractor and document his response.
- Shut the job down if you have that authority.
- Recommend to the landowner to shut down the operations.
- Walk off the job and withdraw technical assistance.
- Call the sheriff.

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Responsibility and Authority

- First Party - Contractor
- Second Party - Owner
 - Landowner
 - NRCS (sometimes)
- Third Party - Contracting Organization
 - CLO
 - NRCS

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NRCS Policy

- General Manual
 - Title 360 - Personnel
 - Part 420 - Safety and Health Management Program
 - Subpart B - Responsibilities for Safety and Health Program Implementation
- Employees are to conduct their job assignments in a safe and healthful manner and observe all NRCS safety and health policies and regulations. Employees are to report any suspected unsafe/unhealthful working conditions to their supervisor for corrective action.

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NRCS Policy

- General Manual
 - Title 360 - Personnel
 - Part 420 - Safety and Health Management Program
 - Subpart B - Responsibilities for Safety and Health Program Implementation
- Section 19 of the Occupational Safety and Health Act of 1970, Executive Order 12196, and 29 CFR Part 1960, titled Safety and Health Provisions for Federal Employees, specify that representatives of USDA employees shall be consulted in the development of USDA/NRCS occupational safety and health policies and programs.

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Personal Protective Equipment



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Personal Protective Equipment



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Personal Protective Equipment



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Utilities in Construction

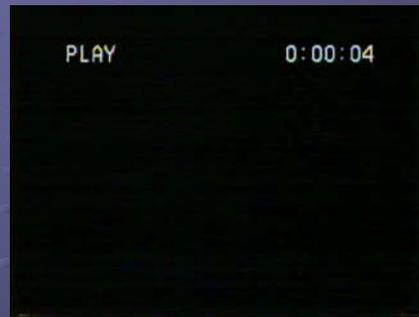


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Utilities in Construction



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Utilities in Construction



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Working Around Heavy Machinery The Red Zone

- When working around Heavy Equipment stay out of the Red Zone.
- The Red Zone is the working range of a piece of equipment and is specific to each type of vehicle and its current operation.
 - The maximum reach of a backhoe or crane.
 - The traveling distance of a scraper.
 - Overturning distance of an end dump.

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Do you think this car may have been in the Red Zone?



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What about this stake jumper?



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Excavator's Red Zone



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ROPS and Seatbelts Save Lives!



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ROPS and Seatbelts Save Lives!



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Even Bulldozers Can Rollover!



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Even Bulldozers Can Rollover!



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Clearing - Cab Guards and Rear Screen?



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Overloading Equipment

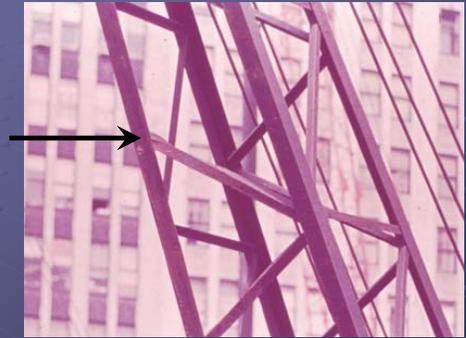


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Close Inspection Required



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Check Boom Stops



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Accidents Happen Fast



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Stabilizers



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Excavations, Trenching and Shoring

- Workers in trenches >5' deep protected
- Shoring designed to meet accepted engineering standards
- Excavated material placed at least 2' from edge
- Trench supports installed during excavation
- Trench supports removed from bottom up
- Ladders provided no more than 25' apart
- Refer to 1926.650 Subpart P - Excavations and Appendices

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Excavations, Trenching and Shoring



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Excavations, Trenching and Shoring



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Excavations, Trenching and Shoring



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Ladders, Scaffolding, Safety Belts & Lifelines

- Ladders are not to be used as work platforms
- Scaffolding used for all work which cannot be done safely from the ground
 - guardrails on platforms <45" wide required above 4' height and all above 10' height
 - ladders provided for access
- Safety belts, lifelines, or lanyards used for:
 - work in hoppers, bins, etc.
 - hazardous slopes, structural steel, poles, tying re-bar, boatswain's chairs, etc.
 - other unguarded locations at elevations > 6'

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Ladders



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Ladders



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Scaffolding



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Scaffolding



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Proper Access for Inspection?



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Fall Protection



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Safety Belts, Lifeline, and Lanyards



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Safety Belts, Lifeline, and Lanyards & Working Near or in Water



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Working near in water



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Flammable and Combustible Liquids



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Wire Rope



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Waste Material Disposal

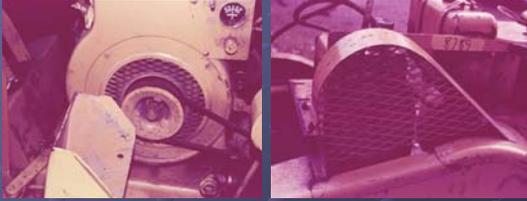


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What's the Problem Here?



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Hydraulic System Problem?



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Other Safety Concerns

- Surveying over abandoned ag waste ponds
- 25' survey rod around power lines
- High Visibility Vests – required to be worn
- Livestock
- Things rolling down slope
- Prairie fires
- ATV use
- Driving Habits

- Any Other Examples?

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Where to Get More Information

- Occupational Safety and Health Admin.
 - web site: www.osha.gov
- Minnesota Occupational Safety and Health Admin.
 - web site: www.dolj.state.mn.us/boards.html
- NRCS General Manual
 - web site: <http://policy.nrcs.usda.gov/scripts/loisjls.dll/GM/GM.htm>
- NRCS National Engineering Handbook
 - web site: www.nrcs.usda.gov/technical/ENG/neh.html
- Corps of Engineers
 - web site: www.usace.army.mil/publications/

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OLD BUD SAYS
SAFETY FIRST!



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