



Mission Success Starts With Safety



# SSC Construction Contractor Safety Meeting

September 7, 2023



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B2 Test Stand

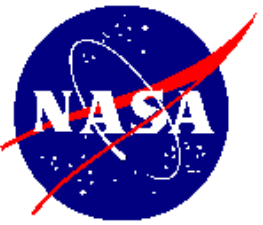
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A1 Test Stand

<http://constructionsafety.ssc.nasa.gov/>



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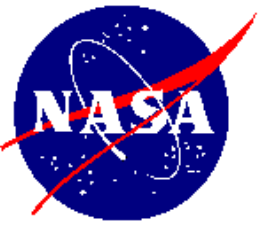
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# Construction Safety

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SSC Construction Inspection  
Safety Findings/Stats

August 2023



# Construction Safety Report: 1 August – 31 August 2023

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## Findings: 3

### Level 1 Severity : 3

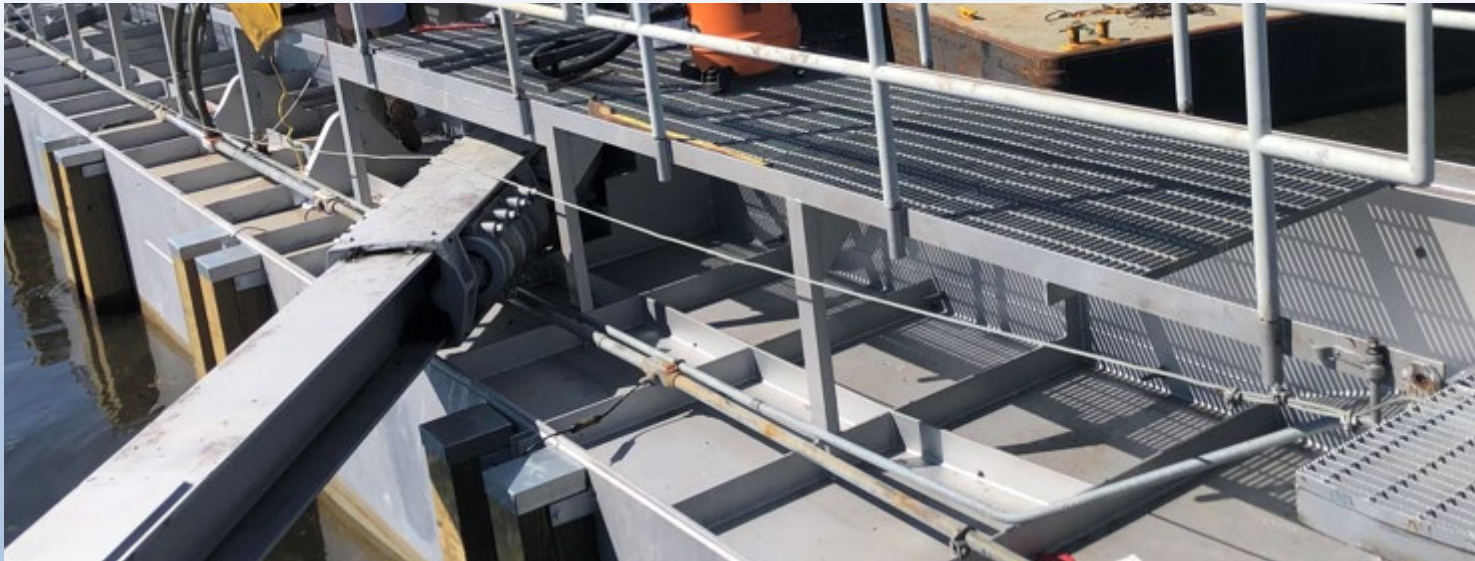
- Two of three cables clamps were saddled improperly on a horizontal life-line. (*STAR Finding #353171*)
- No evidence that the horizontal life-line was designed by a registered professional engineer. (*STAR Finding #353172*)
- An employee was observed improperly using fall protection equipment. (*STAR Finding #353364*)

### Level 2 Severity : 0

## NMIS Mishaps/Close Calls: 1

- On August 14, 2023, a construction contractor was injured when the pipe they were strapping slipped off an excavator, smashing their ring finger between the pipe fitting strap and the ground.  
(*NMIS Case #23-100974 - Type D*)

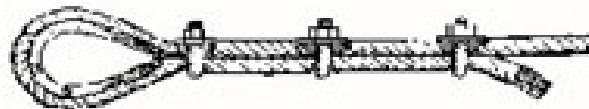
# Non-Compliant Horizontal Lifeline



# Wire Rope U Bolts

**INSTALL CLIPS CORRECTLY**

RIGHT



WRONG



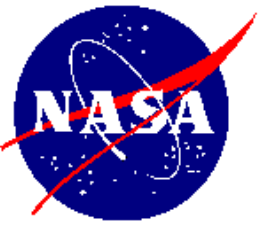
WRONG





## Type D Mishap

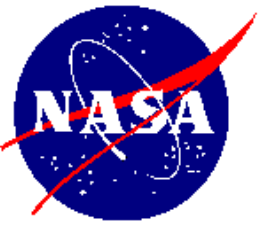




# Discussion Topics

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- Monthly Submittals
- Safety Topic – Competent Person Requirements
- Safety Observations

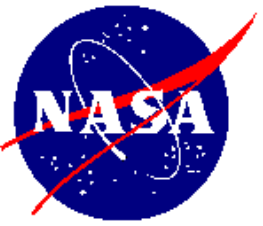


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# Safety Observations





# Safety Observations

Close Call: SSC Employee tripped and fell.



Before



After



# Competent Person

## Occupational Safety and Health Administration

### Overview

The term "Competent Person" is used in many OSHA standards and documents. An OSHA "competent person" is defined as "one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them" [[29 CFR 1926.32\(f\)](#)]. By way of training and/or experience, a competent person is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation, and has the authority to correct them. Some standards add additional specific requirements which must be met by the competent person.



# Competent Person

## SCWI-8715-0008 Requirements:

### Section 5.9, Activities Requiring a “Competent Person”

1. For the following type of activities, the Safety and Health Plan must name the appropriate "competent person":
  - a. Confined space entry
  - b. Asbestos/lead work/abatement
  - c. Scaffolding
  - d. Ionizing radiation
  - e. Rigging equipment/heavy equipment operation
  - f. Fall protection
  - g. Excavation/trenching
  - h. Steel erection
  - i. Other construction activities as required by 29 CFR 1926
2. Documentation shall be provided of each person's competency.



# Competent Person

## SCWI-8715-0008 Requirements:

### Section 7.2, Safety Plan Contents:

- 3.b. The appropriate “competent person” for specific activities. A “competent person” must be named for activities requiring a competent person as listed in Section 5.9. Documentation of each person’s competency must be provided. These names may be provided at the beginning of each construction feature of work.

# Competent Person



## Additional Resources

### Training

- [OSHA Technical Manual \(OTM\)](#). OSHA Directive TED 01-00-015 [TED 1-0.15A], (January 20, 1999).
  - [Noise](#). (August 15, 2013).
  - [Excavations: Hazard Recognition in Trenching and Shoring](#). Provides definitions and training requirements for a competent person.
- [A Guide to Scaffold use in the Construction Industry](#). OSHA Publication 3150, (Revised 2002).
- [Suspended Scaffolds - Two Point \(swing stage\) - Personnel training and competent persons](#). OSHA Scaffolding eTool.
- [Inspection Guide](#). OSHA Steel Erection eTool.
- [Construction Hazards and Standards](#). OSHA Susan Harwood Training Grantee Slide Presentation.
- [Training Requirements in OSHA Standards](#). OSHA Publication 2254, (2015).
- [Residential Fall Protection Program Update - Slide 73](#). OSHA Slide Presentation.
- [Subpart CC - Cranes and Derrick in Construction: Wire Rope - Inspection](#). OSHA Fact Sheet (Publication 3635), (2013).
- [Fall Prevention: Training Guide -- A Lesson Plan for Employers](#). OSHA Publication 3666, (2013).
- [Reducing Falls During Residential Construction: Re-Roofing](#). OSHA Fact Sheet, (January 2012).
- [Reducing Falls in Construction: Safe Use of Job-made Wooden Ladders](#). OSHA Fact Sheet (Publication 3661), (May 2013).
- [Powered Platforms](#). OSHA Fact Sheet, (2002).
- [Working Safely in Trenches](#). OSHA QuickCard™ (Publication 3243), (2018). Also available in [Spanish](#).
- [Trenching and Excavation Safety](#). OSHA Fact Sheet (Publication 3476), (2011).





# Questions



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