

Mission Success Starts With Safety



SSC Construction Contractor Safety Meeting

October 06, 2022



Mission Success Starts With Safety



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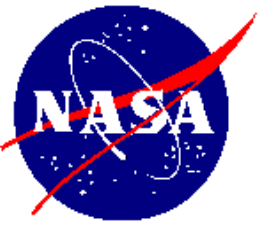
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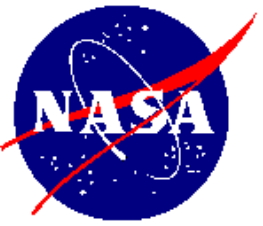
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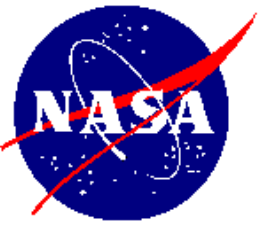
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Construction Safety

SSC Construction Inspection
Safety Findings/Stats

September 2022



Construction Safety Report: 01 September – 30 September 2022

Findings: 0

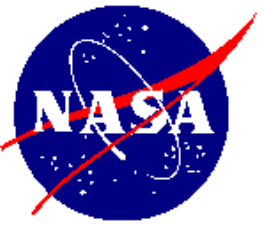
Level 1 Severity : 0

(Corrected on the spot)

Level 2 Severity : 0

(Corrective action documented)

Mishaps: 0 / Close Calls: 0

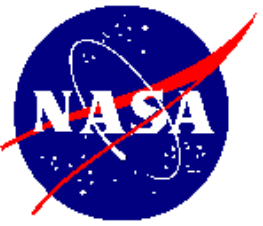


Discussion Topics

- Safety Observations
- Safety Reminders
- Safety Topic

Safety Observations





Safety Reminders

Lifting Devices and Equipment

SWI-8834-0001 Rev 7

March 2022

- **5.2 Certification Requirements**

Noncritical LDE shall be certified on a four-year cycle, except rigging hardware (shackles, rings, swivels, eye bolts, turnbuckles, etc.) which shall be certified prior to first use. ***Following the load test(s), the lifting device shall be given a permanently affixed tag identifying the equipment and indicating the certification expiration date.*** Inadequacies found during the certification process shall be documented on the work plan and/or nonconformance system, and if determined to be a hazard, corrected prior to further use.



Safety Training



National Safety Council, Travelers, and Occupational Safety and Health Administration (OSHA)

More than a third of work-related injuries occur during people's first year on the job, according to a report from insurance provider The Travelers. For its 2022 Injury Impact Report, Travelers examined more than 1.5 million workers' compensation claims filed between 2015 and 2019 from various businesses and industries. Findings show that 35% of injuries happened to workers who were hired within the past year, regardless of age or industry experience. Further, first-year injuries resulted in more than 6 million missed workdays, representing 37% of all missed workdays caused by injury.

Safe Plan of Action

Safety training helps employees gain an understanding of how to identify hazards and address them before any incidents occur. Hazards can be found in all workplace environments. The better prepared and trained employees are in recognizing hazards, the more likely they will remain safe at work; being able to be more productive in a safe environment. New and veteran employees alike should undergo safety training regularly to ensure everyone is being safe and productive. NASA is committed to having a good Safety Culture, which includes learning and training, so everyone knows that safety is a priority.

NASA and Prime Contractor

INTERNAL AUDIT

Date: October 3-14, 2022

Time: 12:00 – 1:00

Location: On-site



The Importance of Safety Training

Routine work can dull alertness and a relaxed attitude can replace the caution that existed when the job was new and interesting. In many jobs the same route is traveled daily over the same roads, or the same tasks are repeated with little conscious thought. Without some periodic reawakening to the ever-present hazards, lethargy deepens and the odds of an accident occurring can increase. Workers may not always recognize the importance of safety training or think of it as unnecessary because they've "been doing it for years." But an important benefit of periodic safety training is the reminder that a danger can exist and that no one is immune to accidents.

FACE* Report: Operator Crushed Between Forklift and Storage Rack

*Washington State Fatality Assessment and Control Evaluation Program

REPORT DATE:
August 8, 2022

INCIDENT DATE:
September 16, 2021

WORKER:
54 Years old

INDUSTRY:
Structural Steel and Precast
Concrete Contractors

OCCUPATION:
Forklift Operator / Installer

SCENE:
Customer Warehouse

A 54-year-old forklift operator and his co-worker were installing large metal storage racks in a warehouse. The operator was using a forklift to raise the racks so leveling shims could be installed under the uprights, while the co-worker drilled anchor holes in the floor. The operator parked the forklift, shut off the engine, set the parking brake and exited the forklift – leaving the forks raised about 39 inches. Unknowingly, he had parked on top of the cord of his co-worker's drill.

In an attempt to free the cord, the co-worker got in the forklift, started the engine and put it in gear. He did not know how to release the parking brake, so the operator reached into the cab and released it. Once the brake released, the forklift started moving forward toward the metal racks. The co-worker swerved to avoid the racks, crushing the operator between the rear of the forklift and one of the metal uprights. The co-worker panicked and jumped from the forklift, which came to a stop when its forks ran into a wall. The operator was transported to a hospital and pronounced dead a short time later. Investigators found that neither worker had completed a required operator training program before operating the forklift. The operator had received on-the-job training and was authorized by the employer to operate the forklift, but the co-worker was neither trained nor authorized.



Rear side of forklift that struck and crushed the operator against one of the metal uprights.



Leveling shims near metal upright where workers were installing racks.

*Take required safety training.
Your life could depend on it!*

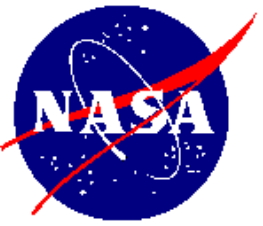


Construction Safety Training

SCWI-8715-0008 (Section 5.3)

1. All construction project managers, superintendents, supervisors (i.e., foremen, crew chiefs), safety and health professionals, and construction employees shall complete the “SSC Construction Contractor Safety Orientation” training posted to the Construction Safety Site at (<http://constructionsafety.ssc.nasa.gov/>). The Contractor shall maintain training records (sign-in sheets with employee signature) and the training shall be kept current to within three (3) years.

2. All construction project managers, superintendents, supervisors, and safety and health professionals shall complete OSHA thirty (30) hour construction training. Non-managerial construction employees shall complete OSHA ten (10) hour construction training in lieu of the OSHA thirty (30) hour construction training. This training will be kept current to within three (3) years.



Construction Safety Training

SCWI-8715-0008 (Section 5.3)

- **Test Complex Access Training**
 - SOI-8080-0040 (SSC Test Access Control)
- **Regulatory Training**
 - Task Specific Training
 - Current within two (2) years unless a more stringent frequency exists
- **Contractor is responsible to maintain all training records.**



Questions



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