



Mission Success Starts With Safety



Construction Safety

SSC Construction Inspection
Safety Findings/Stats

July 2011



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Construction Safety Findings: 27 June-01 July 2011

Findings Total: 2

-Serious Findings: 0

-Less than Serious Findings: 2

1. Employee found wearing personal fall arrest that was improperly anchored to an area below the employee's feet, exposing the employee to a fall greater than six feet.
2. Inconsistent use of PPE Found among the subcontractors. Issue has been elevated to the prime contractor.

Mishaps / Close Calls: 0

Other: 1

1. A-3: Contractor made a successful lift and placement of the Liquid Hydrogen vessel atop the Test Stand, at 98% of the cranes rated capacity.



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Construction Safety Findings: 04-08 July 2011

Findings Total: 3

-Serious Findings: 0

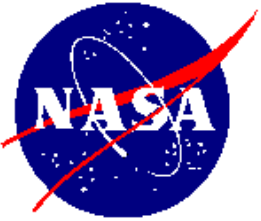
-Less than Serious Findings: 3

1. Extension cords were daisy chained throughout the facility, and were run in such a manner that sharp edges/corners could damage the insulating sheath. 29 CFR 1926.405(a)(2)(ii)(I)
2. The jobsite is extremely cluttered, with obvious housekeeping issues. 29 CFR 1926.250(c)
3. Discharged and empty fire extinguishers found throughout the jobsite. Need one extinguisher for every 3000 ft², with travel distance not to exceed 100'. 29 CFR 1926.150(c)(1)(i)

Mishaps / Close Calls: 2

-Mishap: 1

1. An employee stepped on a threaded rod and twisted his knee. He was transported to the clinic, where he was treated and the injury braced (hard braced). This was an OSHA recordable (Type D).



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Construction Safety Findings: 11-15 July 2011

Findings Total: 2

-Less than Serious Findings: 2

1. Contracting Officer observed employees not wearing hard hats within the construction site. SSC SCWI 8715.0008 section 9.3(b)
2. A crane operator was observed hoisting a load without a rigger or ground person present to guide the load or warn other workers to stay clear. 29 CFR 1926.550(a)(19)

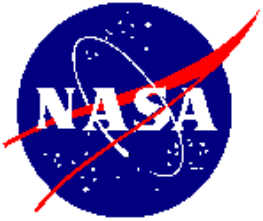
Mishaps / Close Calls: 3

Mishap: 1

1. An employee received a minor burn from being struck by hot particles produced from an Arc Gouging activity several stories above.

Close Call: 2

1. The water deluge system unexpectedly activated, without warning on a LH Barge, docked at the B Test Stand while workers were present. Workers evacuated the area as instructed but, it appears to have taken a large amount of time for proper personnel to respond and secure the system.
2. While in the process of adjusting a welding screen, an employee dislodged four backing ring segments that were being used as a weights. The segments fell to the ground from approximately 125 feet. (High Visibility Close Call)



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Construction Safety Findings: 18-22 July 2011

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

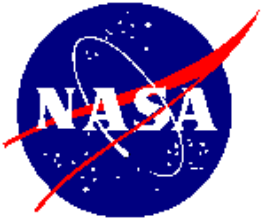
Mishaps / Close Calls: 3

-Mishap: 2

1. An employee was climbing out of a trench, heard something “pop” in the right knee and felt a sharp pain. The employee went to an off-site clinic and was placed on restricted duty, making this a NASA Type C Mishap (OSHA Recordable).
2. An employee had an allergic reaction and was taken to the SSC Medical Clinic for evaluation. The employee was transferred to Hancock Medical Center, treated and released to return to work. The employee did receive medical treatment, making this a NASA Type D Mishap (OSHA Recordable).

-Close Call: 1

1. An employee's hard hat flew over the side of the platform handrail and to a deck 300 feet below as a result of the employee swatting a wasp off of the back of his neck (High Visibility Close Call).



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Construction Safety Findings: 25-29 July 2011

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

Mishaps / Close Calls: 1

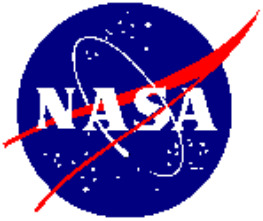
-Mishap: 0

-Close Call: 1

1. Tape measure fell from level 8.9 to the ground when a worker went to secure it to his belt after a measurement. No injury or property damage. Contractor is investigating retractable tethering devices.

-Other: 2

1. An employee had a complaint of chest pains. The employee was transported to the SSC Clinic for observation and onto Memorial Hospital at Gulfport. The employee appears to have an infection, not work related.
2. The contractor and the SSC Fire Department conducted an emergency drill where an injured diver was removed from a boat at a designated rescue point. Overall evaluation of this drill is outstanding. Both the Fire Department and the contractor performed very well and each took away good lessons learned.



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Construction Safety Findings: 25-29 July 2011

Summary

Findings Total: 7

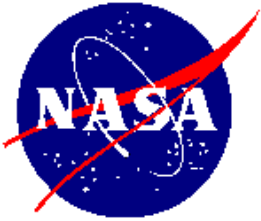
-Serious Findings: 0

-Less than Serious Findings: 7

Mishaps / Close Calls: 8

-Mishap: 4

-Close Call: 4



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Email sent: Mon 8/1/2011 11:11 AM

All,
Over the last couple of months, several contractors have become complacent about submitting the Mishap Exposure Reports in a timely manner. Stennis Space Center has a requirement to submit a total hour/incident count for the entire center to NASA Headquarters. It has become increasingly difficult to complete this without accurate, timely reports being submitted by all contractors. As a reminder, most NASA construction contractors have the verbiage listed below written into their contracts. For specific direction on what report to use and when to submit, refer to SCWI-8715-0008 (see below). So, for contractors who submit these reports accurate and on time, Thank you. For those who have been habitually late, please start meeting your contract requirement.

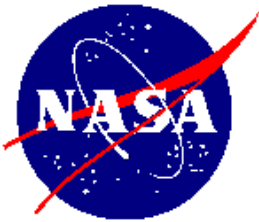
Also, several cover sheets for these submittals have been titled incorrectly. The actual submittal should be titled, "SD-07 Mishap Exposure Report." Not mishap report or exposure monitoring report.

SECTION 01 35 30 Page 3
SD-07 Certificates
Hazardous Waste Documentation
Mishap Exposure Report

SCWI-8715-0008 **Construction Safety and Health Program**

6.7.3 Statistical Information and Reporting (Monthly Requirement)

- a. To provide accurate mishap statistics, the contractor shall complete a Mishap Exposure Report (NASA SSC Form 850) for the project each month and submit the report via the submittal process to SSC SMA and the SSC SMA CO and COTR.
- b. The submitted copy shall arrive no later than two (2) working days after the close of each calendar month in which the contractor/subcontractor is working on site at SSC.
- c. The report shall include the contractor/subcontractor name, number of employees onsite, total man hours onsite, and any incidents (by type) onsite that have occurred. It is the contractor's responsibility to obtain this same information from all their lower tier subcontractors and to submit their reports along with the subcontractor's submittals each month. When there are no mishaps to report, the contractor is still required to submit a report. The types of mishaps to report will be discussed during the pre-construction meeting held before work begins.
- d. The mishap exposure report may be obtained through the NASA SSC Construction Safety Web site (<http://constructionsafety.ssc.nasa.gov>).



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NASA / SSC CONTRACTOR										
Mishap Exposure Report										
MONTHLY										
General Contractor			Contract Number			Fiscal Year		Month		
Incidents that require a NASA Mishap Report (NF 1627)										
Contractor and all Sub-Contractors by Name	Average # of Workers	Total Hours Worked	Close Calls	# of Fatalities	Incidents with Property Damage or Minor Injury	# of Job Transfer or Restricted Duty Cases	# of Lost Time Injury/Illness Cases	# of OSHA Recordable Injury/Illness Cases*	Lost Time Incident Rate**	OSHA Incident Rate ***
TOTAL	0	0	0	0	0	0	0	0	#DIV/0!	#DIV/0!
Name of Submitter		Title			Date		Company			
* Total # of OSHA Recordable Injuries / Illnesses for the Calendar Month excluding Lost Time Incidents.										
** Lost Time Incident Rate =		$\frac{\text{Total \# of Lost Time Injuries} \times 16,667}{\text{Total Hours Worked}}$								
***OSHA Incident Rate =		$\frac{\text{Total \# of OSHA Recordables} + \text{Lost Time Injuries} \times 16,667}{\text{Total Hours Worked}}$								
SSC-850 (11/2009) MS Excel										

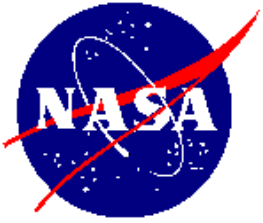


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The following video demonstrates how you never know what will be falling from above!



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Have a SAFE month!