

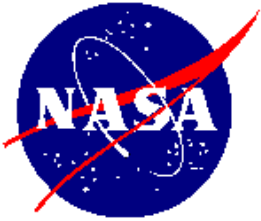
Mission Success Starts With Safety



Construction Safety

SSC Construction Inspection
Safety Findings/Stats

April 2012



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Contact Info:

NASA/BASTION/FOSC

Mike Rewis

mike.j.rewis@nasa.gov

228-688-2663 phone

288-688-3701 fax

Daryl Kosturock

daryl.kosturock-1@nasa.gov

228-688-3641 phone

228-688-3701 fax

Ethan Calder

ethan.w.calder@nasa.gov

228-688-2049 phone

288-688-3503 fax

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



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Contact Info:

A-3 Test Stand

Robert Gargiulo, A-3 Chief Safety Officer

robert.f.gargiulo@nasa.gov

228-688-3842 phone

228-688-3701 fax

Jim Deschenes

james.e.deschenes@nasa.gov

228-688-1837 phone

228-688-7619 fax

Donald Smith

donald.g.smith-1@nasa.gov

228-688-1085

228-688-3701 fax

James Gordon

james.g.gordon@nasa.gov

228-688-2794 phone

228-688-7619 fax

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



Construction Safety Findings: 02-06 April 2012

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

Mishaps / Close Calls: 0

-Mishap: 0

-Close Calls: 0

Other:

1. A tent was left over a flange on the Liquid Hydrogen transfer line and the contractor was asked to remove it. A walk-down of the system prior to LH transfer revealed the tent was still in place. Stand personnel removed and secured the tent to allow transfer to proceed. Approximately three days later, the wind caused the tent to fly into the canal. As a result, stand personnel and the SSC Fire Department were forced to recover the tent to prevent a hazard to canal traffic.



Construction Safety Findings: 09-14 April 2012

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

Mishaps / Close Calls: 0

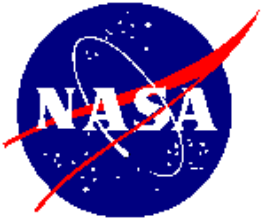
-Mishap: 0

-Close Calls: 0

Other:

1. A-3 Test Stand: Between April 10-12, 2012, Drace Construction Corp successfully completed a series of three major crane lifts to install two tool crib buildings, weighing approximately 9,800 pounds and a signal conditioning building that weighed approximately 48,000 pounds.
2. T/C Potable Water: On Saturday, April 14, 2012, an outage of the Test Complex potable water system was conducted to allow Drace Construction Corp to tie-in the new water lines at three different locations. FOSC plumbing shop assisted with this task and the system was brought back up by the end of the day, with no issues.





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Construction Safety Findings: 16-20 April 2012

Findings Total: 1

-Serious Findings: 0

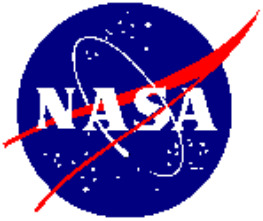
-Less than Serious Findings: 1

1. Worker was observed saw-cutting asphalt without proper eye/face protection. SSC SCWI-8715-0002 (7.5)

Mishaps / Close Calls: 0

-Mishap: 0

-Close Calls: 0



Construction Safety Findings: 23-27 April 2012

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

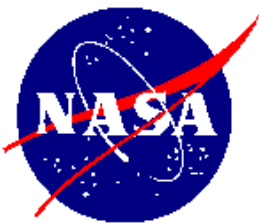
Mishaps / Close Calls: 0

-Mishap: 0

-Close Calls: 0

Other:

1. It is the time of year to start focusing on protecting yourself and your workers from heat stress. SSC has a Heat Stress Program (SCWI-8715-0014) to provide direction on reducing heat related illnesses at work. Additionally, current weather conditions are posted on the SSC Intranet Portal.



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Construction Safety Findings: 23-27 April 2012

Category	Flag	Heat Index	Intensity of Prolonged Exposure and/or Physical Activity
Delay		Less than 80°F (- 27°C)	
Caution		80 - 90°F (27 - 32°C)	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Caution		90 - 105°F (32 - 41°C)	Sunstroke, muscle cramps, and/or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger		105 - 124°F (41 - 54°C)	Sunstroke, muscle cramps, and/or heat exhaustion likely. Heat stroke possible with prolonged exposure and/or physical activity.
Extreme Danger		130°F or higher (54°C or higher)	Heat stroke or sunstroke likely.



Protecting Workers from Heat Stress

Heat Illness
Exposure to heat can cause illness and death. The most serious heat illness is heat stroke. Other heat illnesses, such as heat exhaustion, heat cramps and heat rash, should also be avoided.

There are precautions your employer should take any time temperatures are high and the job involves physical work.

- Risk Factors for Heat Illness**
- High temperature and humidity, direct sun exposure, no breeze or wind
 - Low liquid intake
 - Heavy physical labor
 - Waterproof clothing
 - No recent exposure to hot workplaces

- Symptoms of Heat Exhaustion**
- Headache, dizziness, or fainting
 - Weakness and wet skin
 - Irritability or confusion
 - Thirst, nausea, or vomiting

- Symptoms of Heat Stroke**
- May be confused, unable to think clearly, pass out, collapse, or have seizures (fit)
 - May stop sweating

- To Prevent Heat Illness, Your Employer Should**
- Provide training about the hazards leading to heat stress and how to prevent them.
 - Provide a lot of cool water to workers close to the work area. At least one pint of water per hour is needed.



Protecting Workers from Heat Stress

- Schedule frequent rest periods with water breaks in shaded or air-conditioned areas.
- Routinely check workers who are at risk of heat stress due to protective clothing and high temperature.
- Consider protective clothing that provides cooling.

How You Can Protect Yourself and Others

- Know signs/symptoms of heat illnesses: monitor yourself; use a buddy system.
- Block out direct sun and other heat sources.
- Drink plenty of fluids. Drink often and BEFORE you are thirsty. Drink water every 15 minutes.
- Avoid beverages containing alcohol or caffeine.
- Wear lightweight, light colored, loose-fitting clothes.

What to Do When a Worker is ill from the Heat

- Call a supervisor for help. If the supervisor is not available, call 911.
- Have someone stay with the worker until help arrives.
- Move the worker to a cooler/shaded area.
- Remove outer clothing.
- Fan and mist the worker with water; apply ice (ice bags or ice towels).
- Provide cool drinking water, if able to drink.

IF THE WORKER IS NOT ALERT or seems confused, this may be a heat stroke. CALL 911 IMMEDIATELY and apply ice as soon as possible.

If you have any questions or concerns, call OSHA at 1-800-321-OSHA (6742).





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Acquiring 'Free' OSHA Publications and Posters



We continue to learn of complaints from employers who have received "official looking" announcements and -- in some cases -- threatening notices, messages, or telephone calls from various companies requiring that employers purchase OSHA documents from them in order to remain in compliance with OSHA rules and regulations. The most popular document being offered for sale is the [OSHA Workplace Poster](#) (also available in [Spanish](#)). We have also learned of a few cases in which individuals, falsely identifying themselves as Department of Labor or OSHA employees, contact employers threatening fines if they do not purchase specific materials.

It's important that all employers do not become victim of misleading solicitation practices or incur unnecessary costs where these resources are concerned.



OSHA's publications and posters are available free to anyone who asks simply by visiting the publications page on the agency's Web site at <http://www.osha.gov/pls/publications/publication.htm>. The publications, posters, fact sheets, etc., can be ordered through the publications office or, in most cases, downloaded directly from the Web site.

As a reminder, employers are required to continually display a poster prepared by the Department of Labor that informs employees of protections afforded under the Occupational Safety and Health Act. The poster must be displayed in a conspicuous place where employees can view it. Private employers may use the poster available from OSHA's Web site, or a suitable reproduction or facsimile.

You can contact any OSHA area office throughout the nation to report a misleading solicitation, or to get information on specific workplace safety and health requirements. Those office addresses and phone numbers are available on the agency's Web site at <http://www.osha.gov/html/RAmap.html>.

OSHA updates its Web site daily. We invite you to refer to it often for important information about workplace safety and health.



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Print version of OSHA Publications and Educational Materials listed by Topic as of 3/9/2012 [PDF]

OSHA Newsletter: QuickTakes

A thru Z Listing: A B C D E F G H I J L M N O P R S T V W Y

An alphabetical listing of OSHA publications

A TOP

Abatement: Small Entity Compliance Guide for OSHA's Abatement Verification Regulation (29 CFR 1903.19) (1997) (English: HTML PDF)

Aerial Lift Fall Protection Over Water in Shipyards OSHA 3452 - 2011 (English: PDF Order Now)

Aerial Lifts Fact Sheet (English: PDF PDF)

Aerial Lifts QuickCard™ (OSHA 3267 - 2011) (English: HTML PDF) Aerial Lifts QuickCard (OSHA 3267 - 2011) (Spanish: HTML PDF)

Alliance - OSHA Alliance Program Fact Sheet (English: PDF)

Amputation Fact Sheet (English: PDF)

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Publications Cart

0 Publications in the cart.

Job Safety and Health -- It's The Law Poster

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This is required to be posted in all worksites.

New

OSHA At-A-Glance

(OSHA 3439 - 2011) (English: PDF Order Now) (OSHA 3454 - 2011) (Spanish: PDF) (3453-B 2011) (Vietnamese: PDF Order Now) (OSHA 3469-B 2012) (Portuguese PDF)

Aerial Lifts QuickCards™

Circuit Breakers: Incorrectly Refurbished Circuit Breakers Hazard Alert (English: HTML PDF)

Confined Spaces Safety QuickCard™ and Fact Sheet

Construction Industry Digest (OSHA 2202) (English: HTML PDF Order Now)

Construction: Noise in Construction - Pocket Guide (OSHA 3498 - 2011) (English: PDF Order Now)

Cranes and Derricks in Construction -- Small Entity Compliance Guide for the Final Rule

Protecting Workers from Heat Stress

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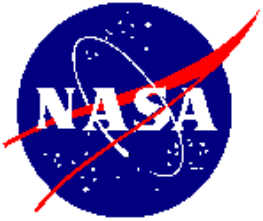
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Questions?

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



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Construction Safety

Have a SAFE month!

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