

# SSC Construction Inspection Safety findings

## April, 2010

Prepared/presented by:  
Daryl Kosturock, Safety Inspector  
Bastion Technologies

# Contact Info:

Mike Rewis

[mike.j.rewis@nasa.gov](mailto:mike.j.rewis@nasa.gov)

228-688-2663 phone

288-688-3701 fax

Daryl Kosturock

[daryl.kosturock-1@nasa.gov](mailto:daryl.kosturock-1@nasa.gov)

228-688-3641 phone

228-688-3701 fax

Mark Bridenbeck

[mark.a.bridenbeck@nasa.gov](mailto:mark.a.bridenbeck@nasa.gov)

228-688-2555 phone

228-688-3701 fax

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

# Construction Safety Findings: 26 March-01 April 2010

- **Findings Total: 0**

- **Serious Findings: 0**
- **Less than Serious Findings: 0**

- **Mishaps / Close Calls: 0**

- **Other:**

- Over the past three weeks, minor discrepancies were found with LO/TO at various FOSC and NASA construction sites. The contractors either failed to use a lock, failed to use a red lock or failed to use a SSC tag. FOSC has conducted remedial training with the contractors. The SSC SCWI 8715-0013 (Control of Hazardous Energy LO/TO) states:

## **7.1 Locks**

All LOTO program locks shall be singularly identified and RED in color for personal and group lockout tasks. These locks are to be used exclusively for the purpose of locking out equipment (for service or maintenance activity) in conjunction with this program.

## **7.2 Tags**

LOTO tags shall be singularly identified.

A pictorial of an approved SSC tag must be exhibited as an example in the program plan.

- **NOTE:** SSC LOTO tags can be ordered through the SSC warehouse via a Material Request using the SSC Service Request System (accessible via the NASA/SSC Intranet Portal). The LOTO tag stock number is 769000N013923.

# SSC LO/TO



<b>SSC LO/TO Program</b>	
Date: _____	
<b>DANGER</b>	
<b>DO NOT OPERATE</b>	
ORGANIZATION:	
<input type="checkbox"/> LSC <input type="checkbox"/> ITS <input type="checkbox"/> FOSC <input type="checkbox"/> TOC	
<input type="checkbox"/> HAT <input type="checkbox"/> Other _____	
This lock/tag attached by and may only be removed by	
Name _____ Dept. # _____	
Supervisor: _____	
Contact #: _____	
WAD #: _____	
Expected Completion: _____	
<small>SSC-808 (Rev. 07/16/08)</small>	<small>Note: 2008 revision for comments</small>
<b>Additional Comments:</b> _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
<small>SSC-808 (rev. 07/16/08)</small>	

# Construction Safety Findings: 02-08 April 2010

- **Findings Total: 0**

- **Serious Findings: 0**

- **Less than Serious Findings: 0**

- **Mishaps / Close Calls: 1**

- **Mishap: 1**

- A worker strained the right shoulder while carrying a bucket of tools. The worker was examined at the SSC Clinic and received a medical prescription and restricted duty.

# Construction Safety Findings: 09-15 March 2010

- **Findings Total: 0**
  - **Serious Findings: 0**
  - **Less than Serious Findings: 0**
- **Mishaps / Close Calls: 0**

# Construction Safety Findings: 16-22 April 2010

- **Findings Total: 0**

- **Serious Findings: 0**

- **Less than Serious Findings: 0**

- **Mishaps / Close Calls: 0**

- **Other:**

- Various sites: Over the past month, inspectors noted that several of the construction sites did not have persons trained in First Aid/CPR. With the assistance of the SSC Fire Department, several contractors were trained in First Aid/CPR. Inspectors coordinated the training by having each contractor attend the training when open spaces became available.
- A-3: With the assistance of the construction contractors, the test stand has implemented a man rated winch system to lower injured workers from upper levels, pending the elevator installation on the stand.
  - Construction contractors team with SSC Fire Department on system and operations.
  - Training for Fire Department and contractors on the system to begin 26 April 2010.

# Rescue System at A-3





# Construction Safety Findings: 23-29 April 2010

- **Findings Total: 0**

- **Serious Findings: 0**

- **Less than Serious Findings: 0**

- **Mishaps / Close Calls: 1**

- **Mishap:** An employee injured the right elbow while attempting to lift a pipe. The employee lifted the pipe to remove a welding lead and felt a sharp pain along the outside of the right elbow and was unable to fully extend the right arm. The employee was diagnosed with inflamed tissue in the elbow, given an over the counter medication and placed on restricted duty, making this case a Type C Mishap.

# Summary

- **Total Findings: 0**
- **Serious Findings: 0**
- **Less than serious Findings: 0**
- **Close Calls: 0**
- **Mishaps: 2**
- **Injuries: 2**



## Mission Success Starts With Safety

# SSC Days Away, Restricted Duty, or Transferred Cases Incident Rate (DART) – Type C

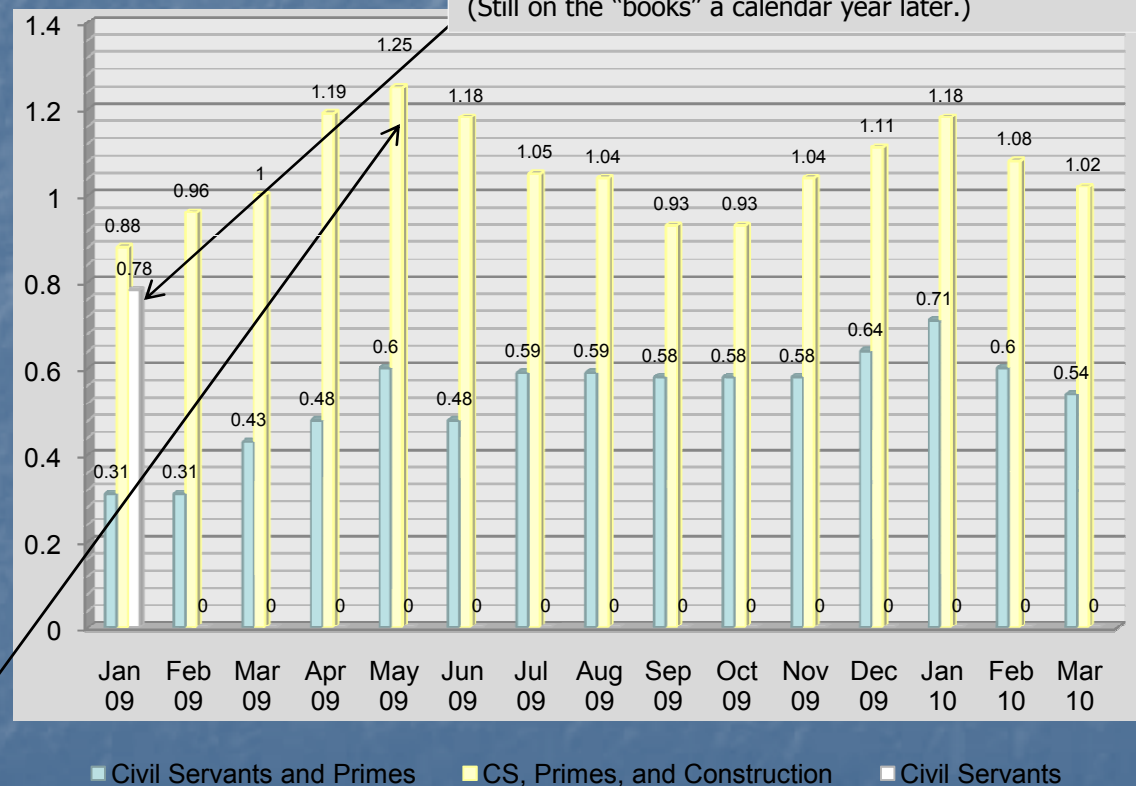
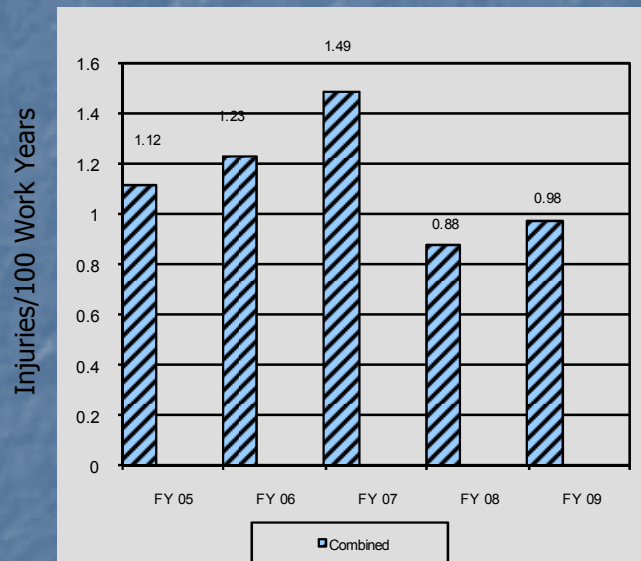
(FY 10) Targets\* - Civil Service & Contractor - Combined < 0.81

NAICS Industry Code (Testing Laboratories) DART = .9

NAICS Industry Code (Construction) DART = 2.5

*Zero or down is good*

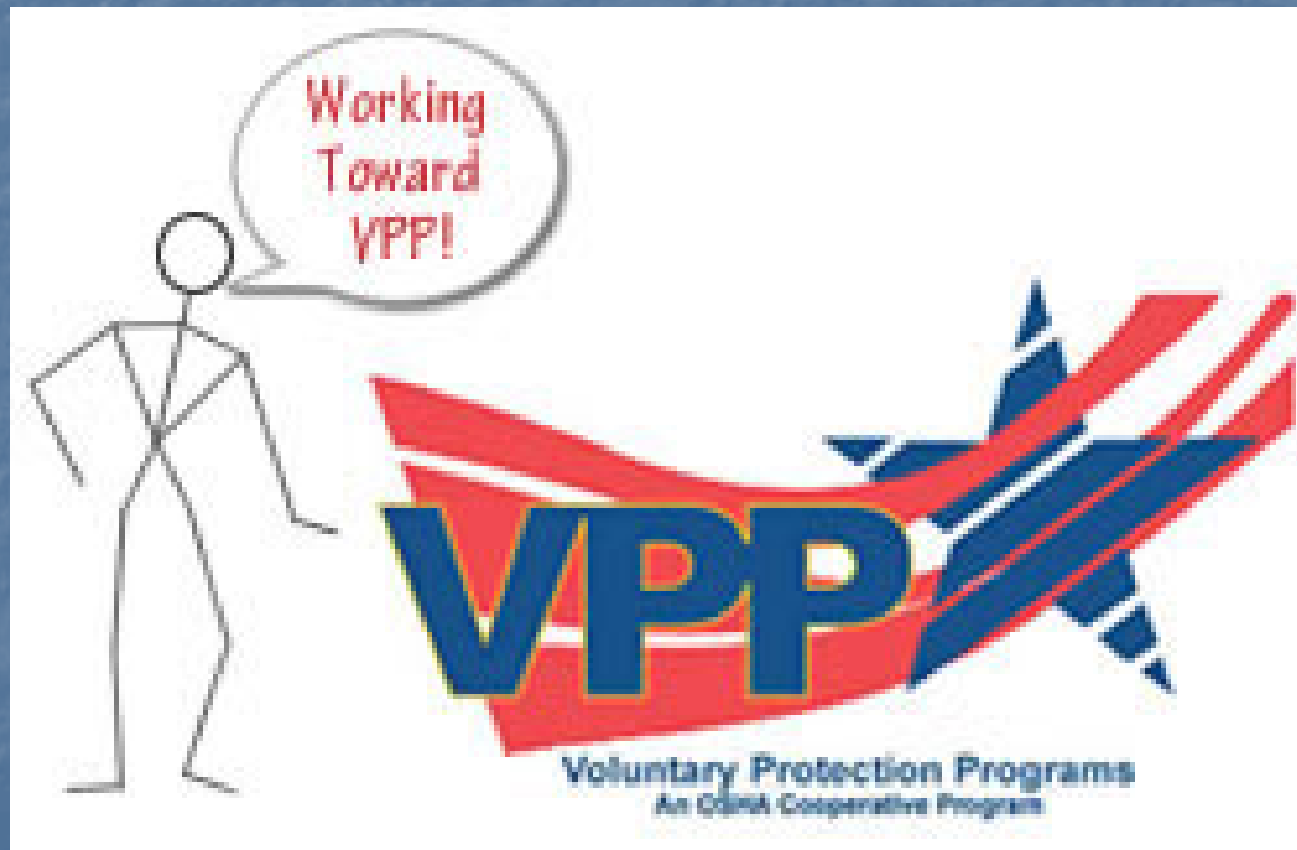
Last NASA Civil Servant DART case was January of 2008.  
(Still on the "books" a calendar year later.)



Construction work accounts for 8.7% of the SSC work hours and 45% of the DART cases.

\*SSC's goal is a 5% reduction in case rates for days away/restricted/transferred injuries and illnesses (DART) starting with FY 07, continuing annually regardless of outcome.

Do you remember the four core elements of VPP?



# The four core VPP elements:

- **Management Commitment and Employee Participation.**
- **Worksite Analysis.**
- **Hazard Prevention and Control.**
- **Safety and Health Training.**

# Safety

The following video demonstrates why you should always be familiar with your fall protection equipment!

# Safety

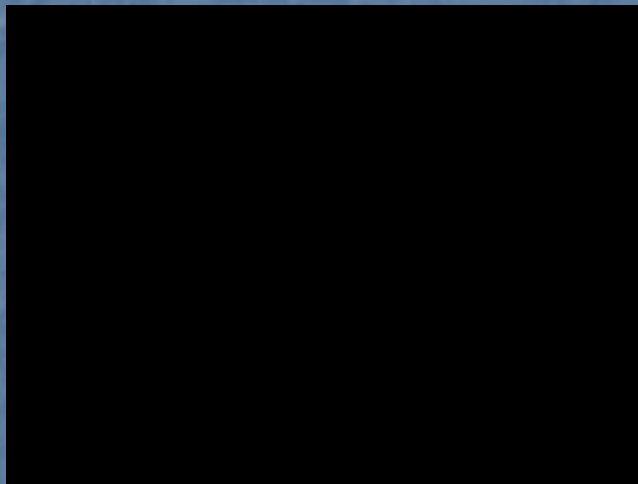


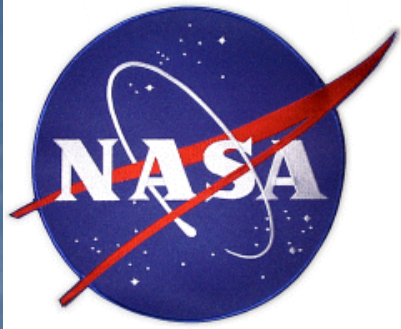
# Safety

Sometimes, your rescue plan may look good on paper but, may not be practical on the job site!



# Safety





“Safety is about doing the right thing, even if no one is looking.”

