

Mission Success Starts With Safety



Construction Safety

SSC Construction Inspection
Safety Findings/Stats

June 2013



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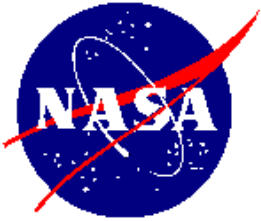
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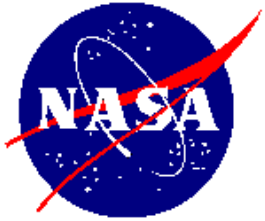
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Construction Safety Findings: 03-07 June 2013

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

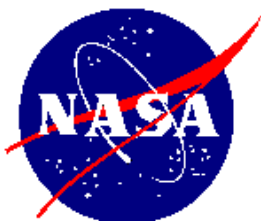
Mishaps / Close Calls: 1

-Close Call: 1

1. While testing the level 8.9 Fire Suppression system, a hydraulic oil pump containment reservoir overflowed with water/oil. This resulted in a visible oil sheen at the ground level. This incident was reported and the oil was cleaned and disposed of properly. Corrective measures were implemented to prevent future occurrences.

Other: 2

1. Three workers suffered an unknown illness. Two of those workers went to the SSC clinic severely dehydrated and received Intravenous solutions. All cases were determined to be not related to work.
2. A large mobile crane brought on site by the contractor was found set up in a configuration not covered by the lift chart or operator's manual. The LDE Manager met with the contractor on the discrepancy and the contractor decided to replace the crane.



Construction Safety Findings: 03-07 June 2013

Hurricane Policy

Site status telephone number: **228-688-3777**

During the Atlantic Hurricane Season (June 1 to November 30), SSC is subject to extreme destruction associated with hurricanes. SSC will notify the contractor of the following conditions:

	<u>Time until landfall</u>	<u>Requirements</u>
Condition IV	72 hours	Prepare site by securing structures and loose objects, housecleaning. General state of readiness.
Condition III	48 hours	Majority of storm preparations should be accomplished within 24 hours. (i.e., garbage bins & dumpsters emptied, secure all equipment & materials for wind exposure)
Condition II	24 hours	Final emergency preparations shall be completed and reported to Construction Monitor. Conditions will be assessed and decisions concerning dismissal and SSC closure will be made.



Construction Safety Findings: 10-14 June 2013

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

Mishaps / Close Calls: 0

Other: 1

1. A worker operating a pipe fusing machine became light-headed and weak from the afternoon heat. The contractor's Safety Representative immediately took a safety time out and made all the workers stop for approximately 30 minutes to cool off and rehydrate. The original worker that felt ill admitted to not eating lunch. This worker was brought to a cool environment, ate some food, rehydrated and returned to work later that day without incident.

By Kathy Finn

NEW ORLEANS (Reuters) - A second person died on Friday as a result of an explosion that rocked the Williams Olefins petrochemical plant in Geismar, Louisiana, and injured more than 100 workers a day earlier. Scott Thrower, 47, died as a result of injuries he suffered in the explosion, Louisiana State Police said. Zachary Green, 29, a plant operator who had worked at the facility since October, died on Thursday shortly after being hospitalized following the incident. Five people remained hospitalized in conditions ranging from critical to fair on Friday. The blast sent a huge fireball and column of smoke into the air above the plant along the Mississippi River, about 60 miles from New Orleans.

Williams Olefins CEO and President Alan Armstrong called the explosion "a tremendous tragedy." "A lot of us in this industry have spent much of our careers working to make it safe, so when something like this happens, honestly, it feels like a big failure," Armstrong told a news conference, his voice shaking, shortly before police announced a second person had died. "Your heart sinks, and it's just hard to know what to do, you feel pretty helpless," Armstrong said. Parent group the Williams Companies Inc operates the plant and holds an 83-percent stake in it. The company had yet to identify the cause of the explosion and will launch an investigation as soon as all the remaining flammable hydrocarbons in the plant dissipated and it was safe to re-enter, plant manager Larry Bayer said.

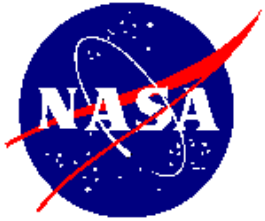
Louisiana Governor Bobby Jindal on Thursday vowed to hold responsible whoever may be at fault. The company's injury toll of 100 was higher than the figure of 73 given by Jindal on Thursday.

Bayer said 839 people were at work in the plant at the time of the explosion, a larger-than-normal number because a major expansion was under way. A small number of employees were working in 12-hour shifts "to assure the plant is being safely shut down and monitored," Bayer said, declining to speculate when the plant would reopen because the extent of the damage was still unknown. The materials that burned in the fire after the explosion were primarily propane and propylene, Bayer said. "We anticipate we will have everything burned off in a day or so," Bayer said.

Three of the injured remained in a burn-care unit at Baton Rouge General Medical Center, listed in critical to fair condition, and two others were at Our Lady of the Lake Regional Medical Center, listed in critical and fair condition, respectively, according to information from the hospitals. Louisiana State Police concluded operations at the site and relinquished control of the plant back to Williams Olefins, police said in a statement.

The state Department of Environmental Quality would continue to assess air and water quality in the area and U.S. Occupational Safety and Health Administration personnel would begin an "in-depth investigation as to the exact cause of the fire," police said.

[Geismar, LA](#)



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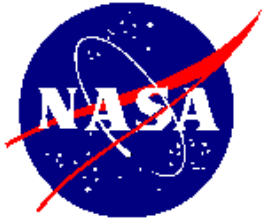
Construction Safety Findings: 17-21 June 2013

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

Mishaps / Close Calls: 0



Construction Safety Findings: 24-28 June 2013

Findings Total: 0

-Serious Findings: 0

-Less than Serious Findings: 0

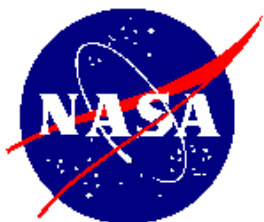
Mishaps / Close Calls: 1

-Mishap: 1

1. On June 22, 2013, a construction worker was using a wood 2X4 as a straight edged to mark a cut line on a piece of steel. As the worker's right thumb moved along the 2X4, a splinter lodged under the thumb nail. The worker did not report the incident at that time. On June 24, 2013, the worker's thumb appeared to be infected and the incident was reported. The worker went to the SSC Clinic for evaluation. Clinic staff was required to provide medical treatment, making this case an OSHA recordable injury. The worker returned to work the same day, without restrictions.

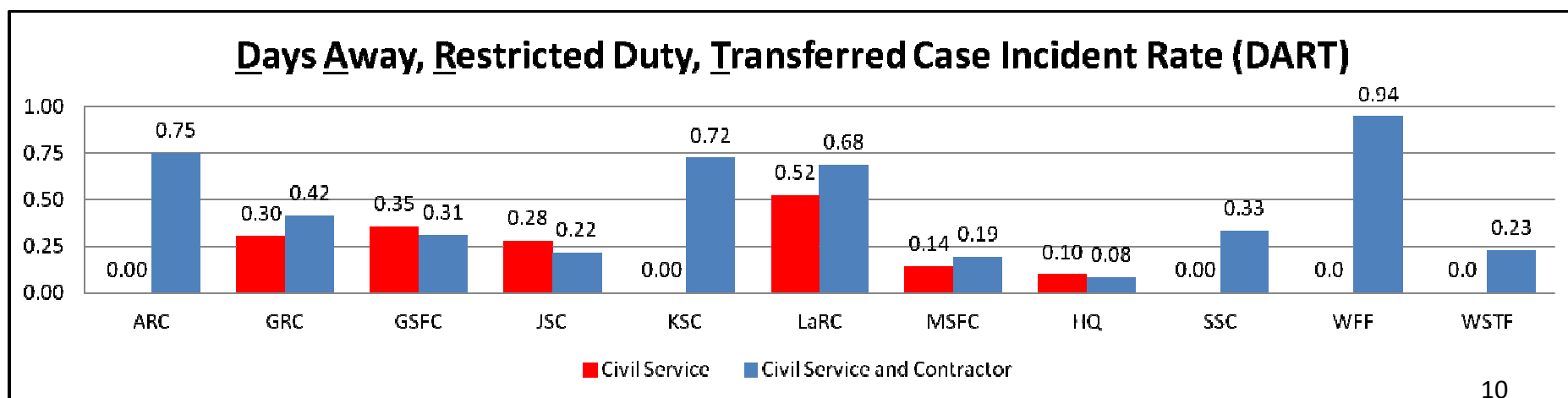
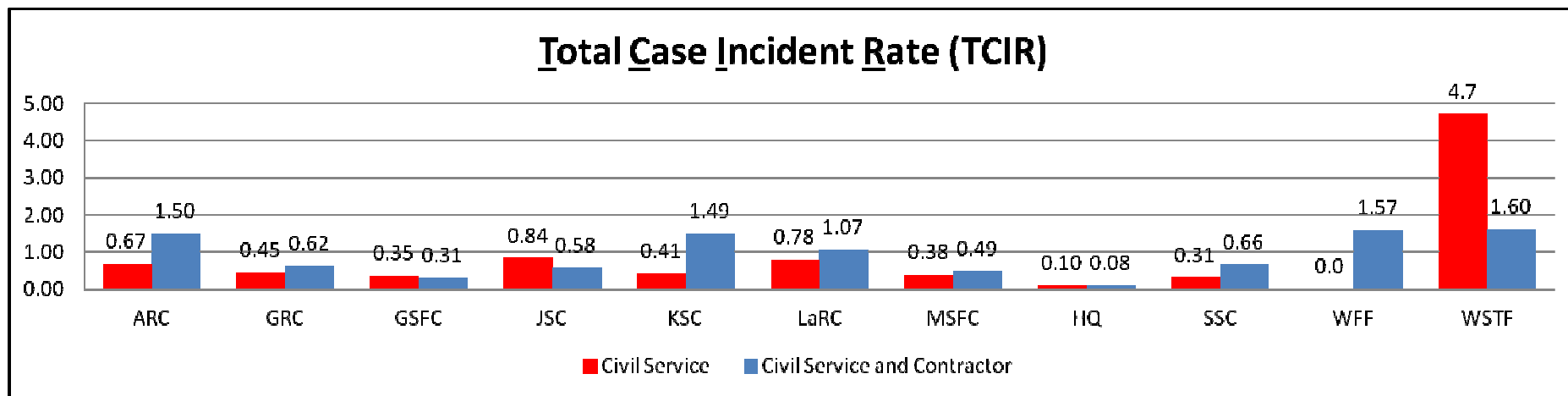
-Other: 2

1. A concern was brought up by the contractors about not being able to hear the warning alarms for the Test Stand. NASA Project Management was made aware of the concern and has authorized the installation of a temporary public address speaker inside the construction area.



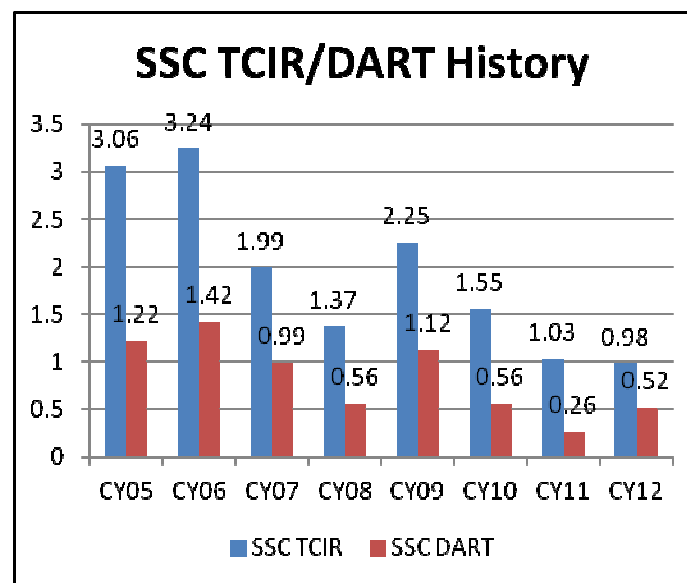
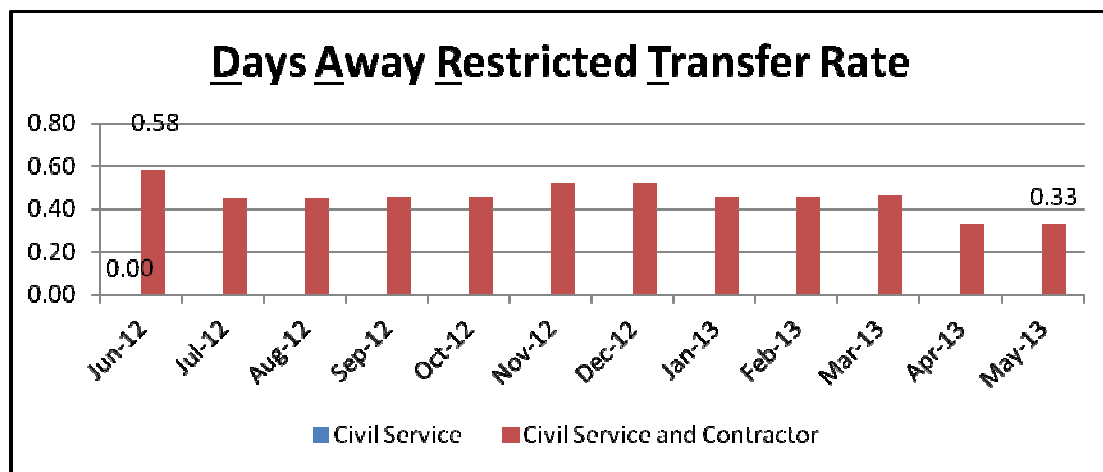
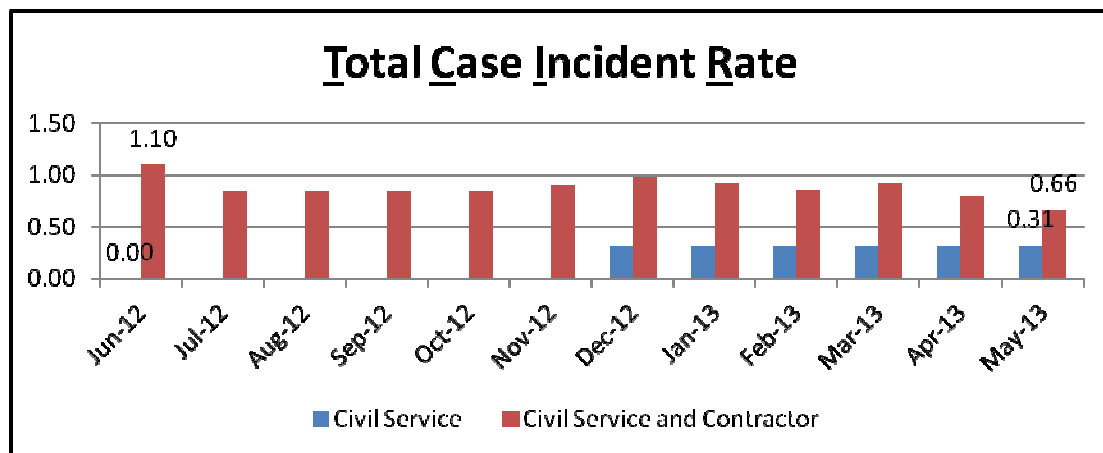
NASA Centers' DART/TCIR

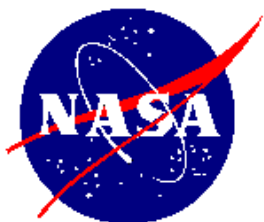
June 1, 2012 to May 31, 2013





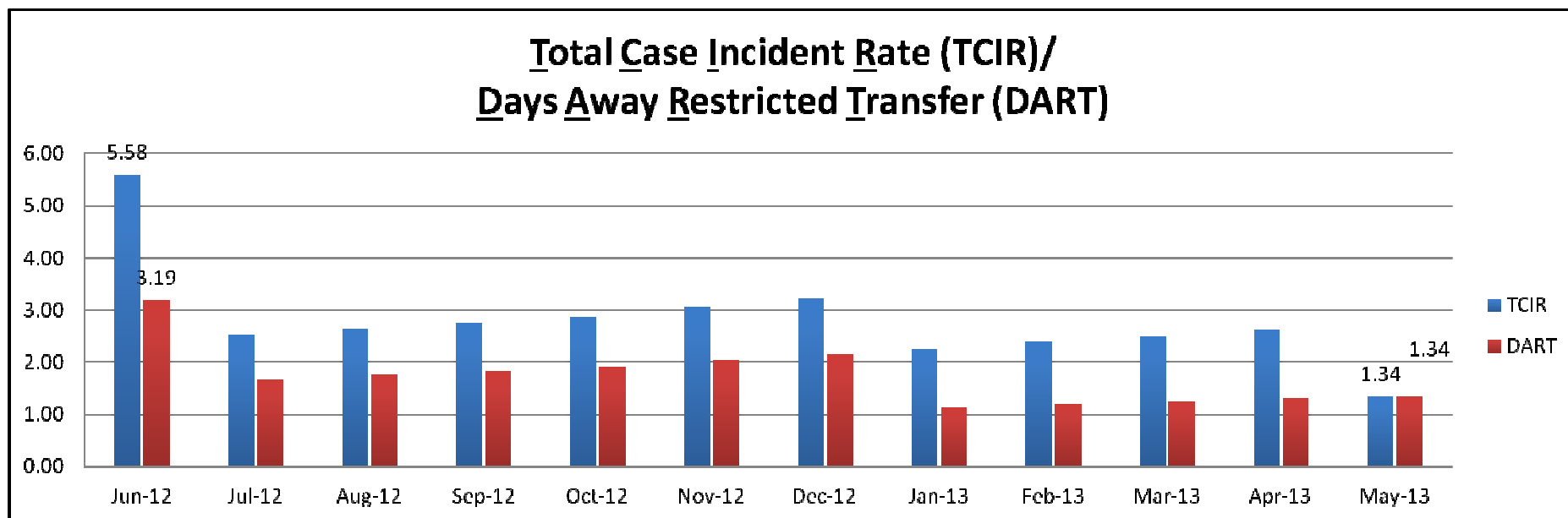
SSC DART/TCIR



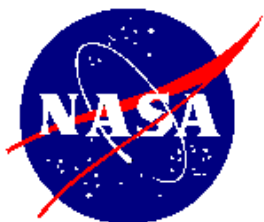


SSC Construction Metrics

- For the month of May:
 - No NASA Direct Construction Injury/Illnesses were noted during May, with one close call occurring in conjunction with the Site wide Potable Water Phase II project. While in the process of staging pipe, a forklift operator didn't notice a natural gas valve cover, and drove over the cover, breaking it.

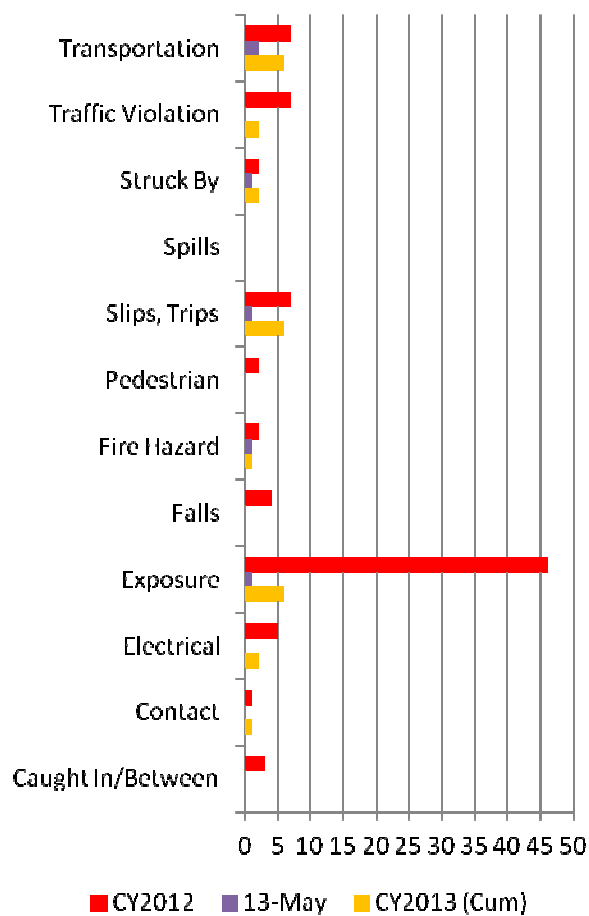


2011 NAICS Industry Code (Construction) TCIR = 3.9
2011 NAICS Industry Code (Construction) DART = 2.1

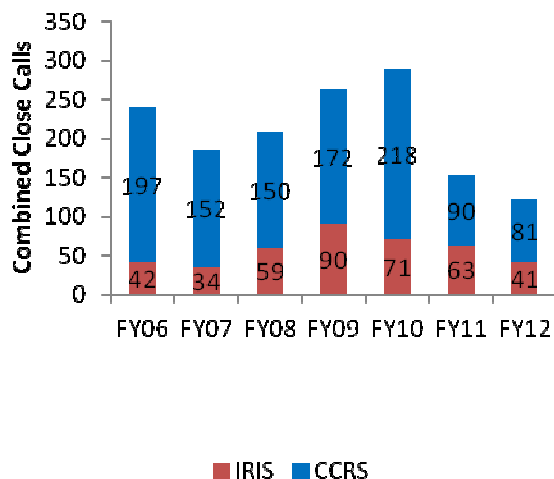


SSC Close Calls

CCRS Close Calls

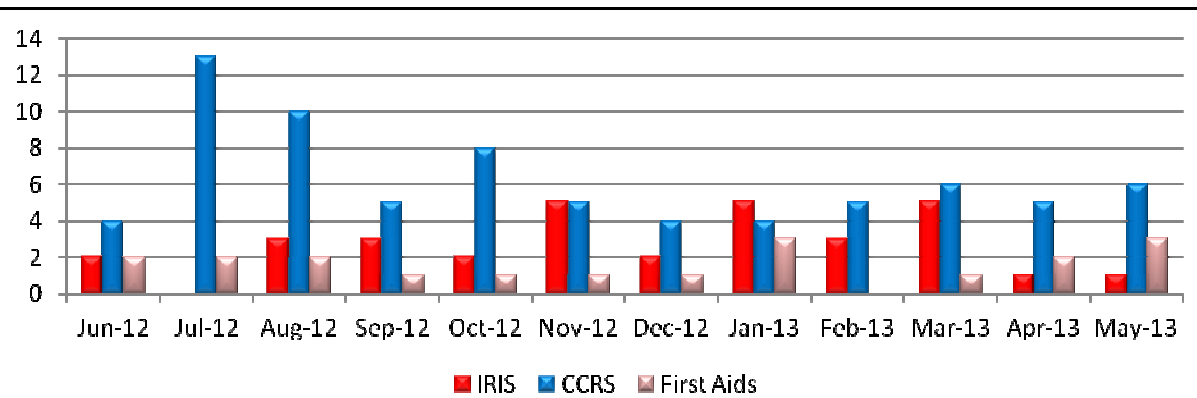


Annual History



IRIS CC* – 5/22, Forklift damaged natural gas valve cover; IRIS FA* - 5/13, Back injury during vacuuming; 5/23, Wrist strain while moving 50g drum; 5/29, Finger injured during welding.

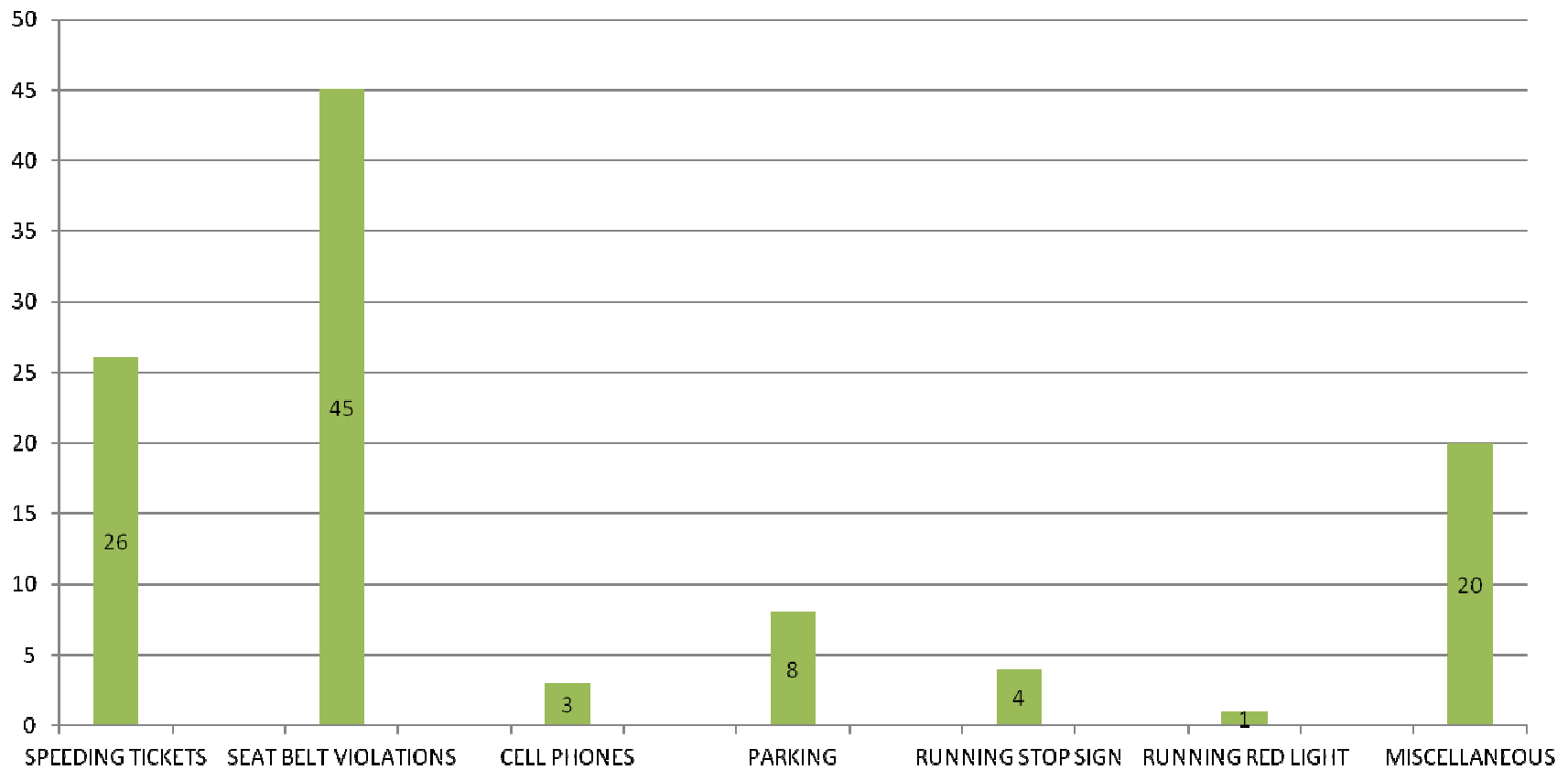
CCRS CC* – 5/7, Employee's shoe punctured rubber mat and became stuck; 5/16, Car nearly hit an "early bird" jogger; 5/21, Car travelling the wrong way on 607; 5/22, Middle metal door jam separated from doorway; 5/23, Ants covering sidewalk; 5/23, PPE left on E T/S between test and set on fire due to extreme heat.





TRAFFIC VIOLATIONS

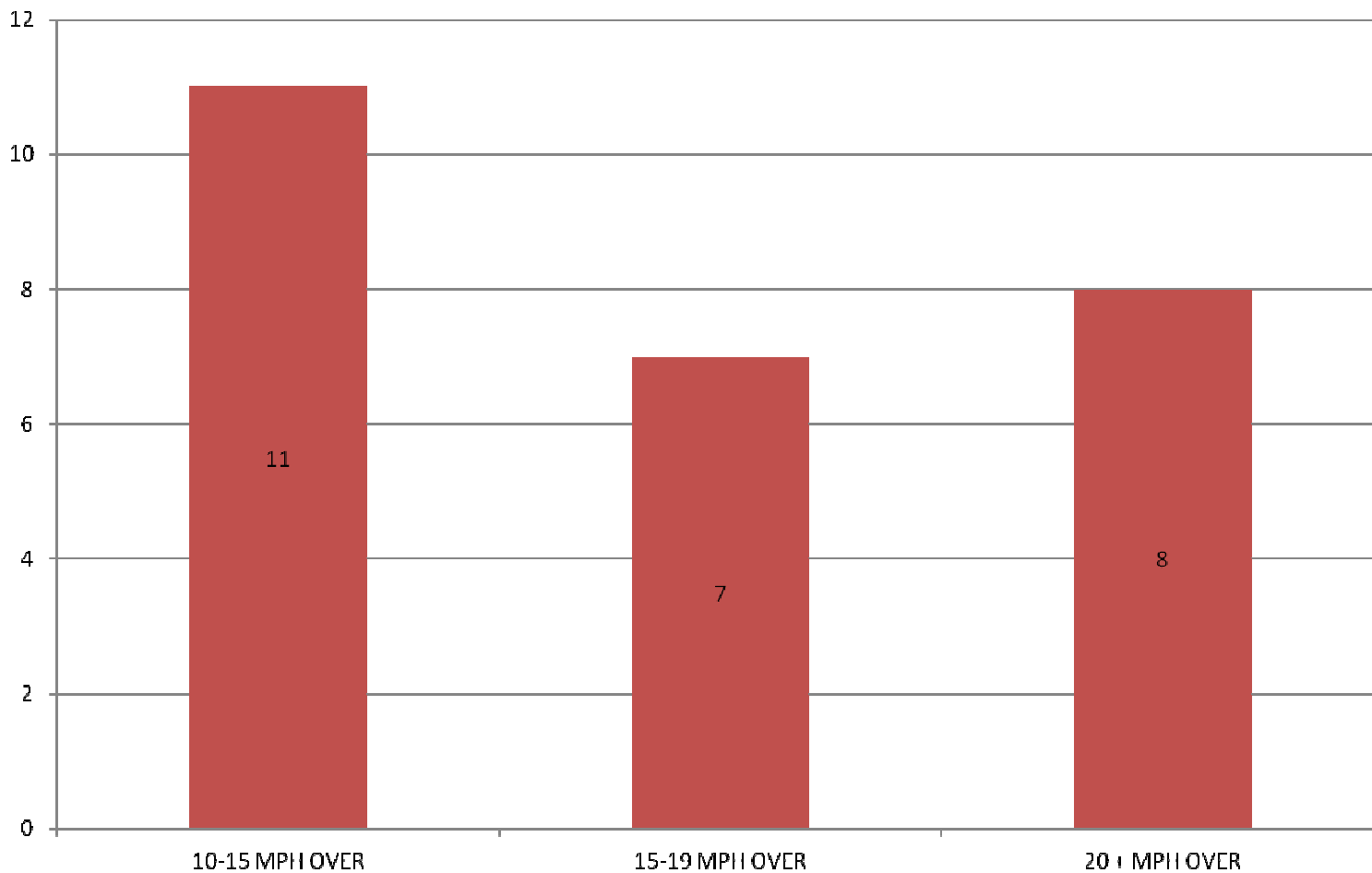
May 2013 Tickets





TRAFFIC VIOLATIONS

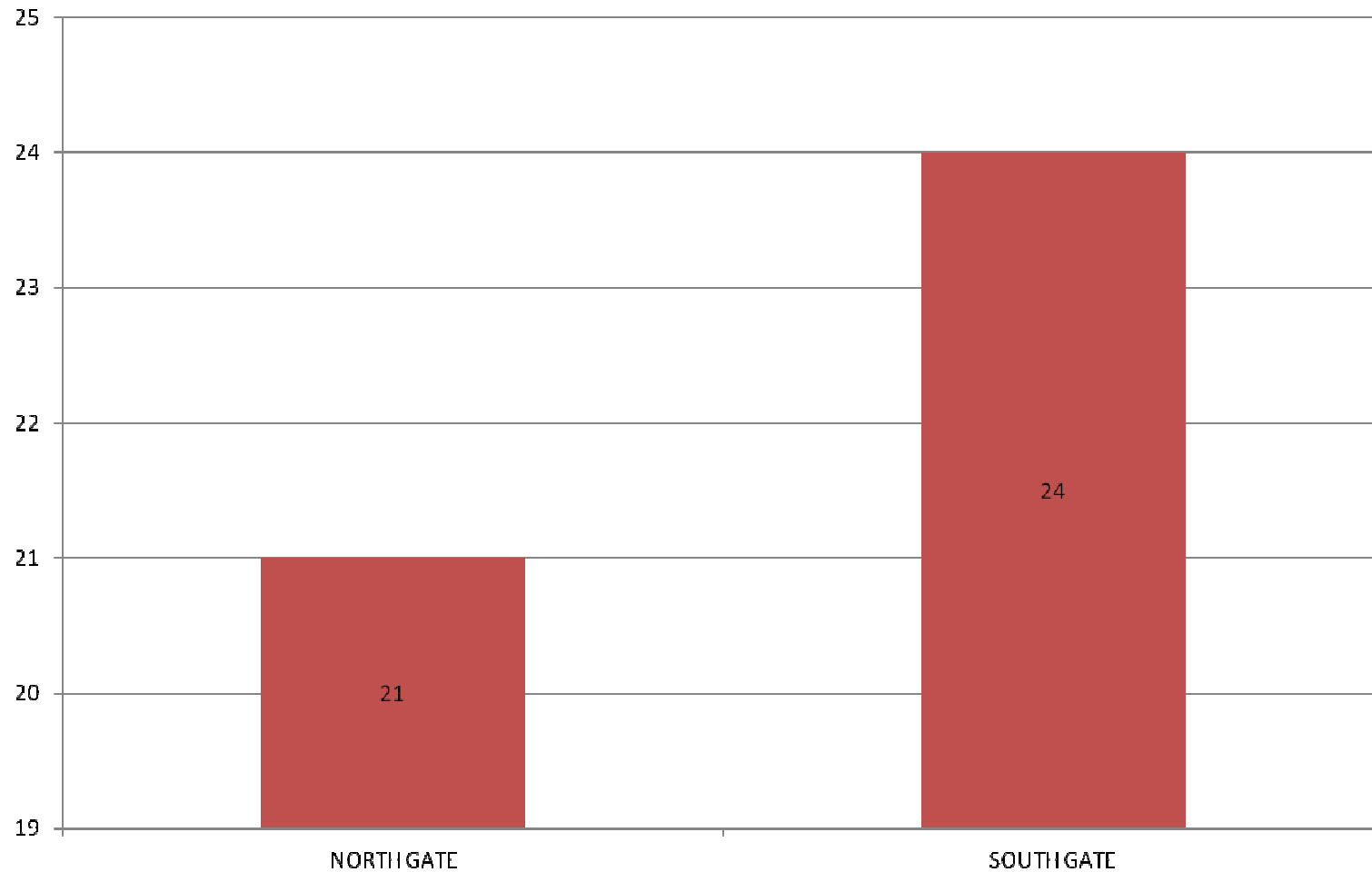
May 2013 Speeding Tickets





TRAFFIC VIOLATIONS

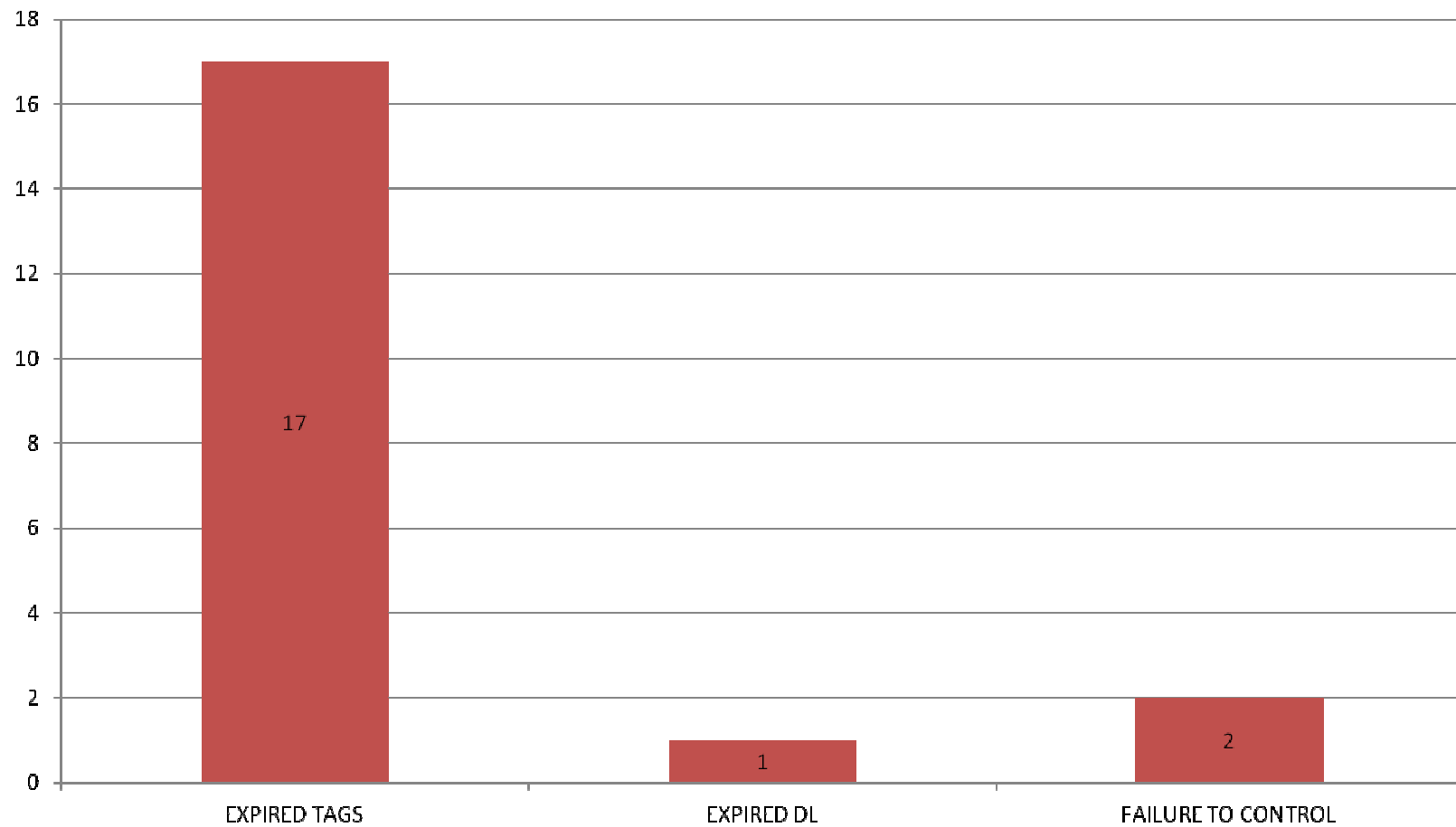
May 2013 Seat Belt Tickets Location

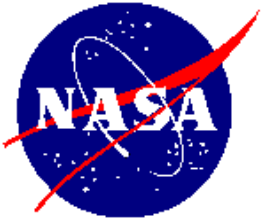




TRAFFIC VIOLATIONS

Miscellaneous May 2013 Tickets





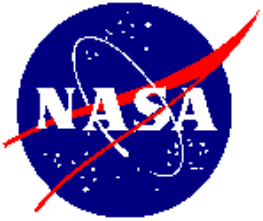
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Questions?

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



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Have a SAFE month!

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