



Mission Success Starts With Safety



SSC Construction Contractor Safety Meeting

April 06, 2023



Mission Success Starts With Safety



Contact Info:

NASA Safety

Matthew Scott

matthew.r.scott@nasa.gov

228-688-1537

Construction Safety

Donna Dubuisson

donna.a.dubuisson@nasa.gov

228-688-1167

Construction Safety

Elizabeth Calantoni

elizabeth.calantoni@nasa.gov

228-688-1804

B2 Test Stand

Neil Toupin

neil.s.toupin@nasa.gov

228-688-1109

A1 Test Stand

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



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Contact Info:

NASA Safety

Mike Rewis

mike.j.rewis@nasa.gov

228-688-2663

Construction Safety

Frank Olinger

milford.f.olinger@nasa.gov

228-688-1766

Construction Safety

Ronnie Good

ronald.w.good@nasa.gov

228-688-1487

Construction Safety

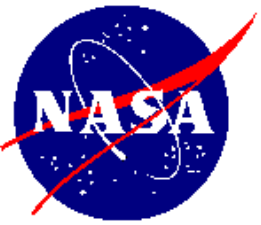
Jasper Cook

jasper.c.cook@nasa.gov

228-688-1511

Construction Safety

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



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Contact Info:

BASTION/SACOM Safety

Donald Smith, CHST

donald.g.smith-1@nasa.gov

228-688-1085 phone

228-234-0639 Cell

Mark Bridenbeck, TES

mark.a.bridenbeck@nasa.gov

228-688-1732 phone

228-313-0188 Cell

John Lindsay, CSP

john.d.lindsay@nasa.gov

228-688-2557 phone

288-688-3503 fax

Will Davis

william.b.davis@nasa.gov

228-688-3193 phone

228-688-3503 fax

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



Construction Safety

SSC Construction Inspection
Safety Findings/Stats

March 2023



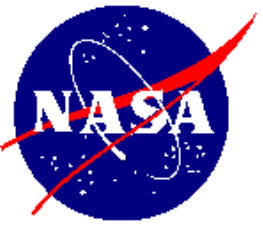
Construction Safety Report: 01 March- 31 March 2023

Findings: 0

Level 1 Severity : 0

Level 2 Severity : 0

Mishaps: 0 / Close Calls: 0



Discussion Topics

- Monthly Construction Safety Orientation Training Forms
- Safety Stand Down Events
- Safety Observations
- Safety Topic – Arc Flash



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Orientation Training Forms

SSC Construction Contractor Safety Orientation

Training Monthly Report

NASA Direct Construction Contractor: _____

Project Name/Contract Number: _____

Month/Year: _____

Number of Employees Trained: _____

Submitted by: _____

SSC Construction Contractor Safety Orientation Training

NASA Direct Construction Contractor: _____

Training Date: _____

	PRINTED NAME	SIGNATURE	COMPANY
1.			
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SSC Construction Contractor Safety Orientation¹

[SSC Construction Contractor Safety Orientation](#)

[SSC Construction Contractor Safety Orientation Sign-In Sheet](#)

[SSC Construction Contractor Safety Orientation Monthly Training Report](#)



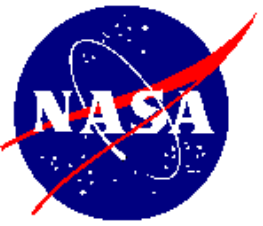
Safety Stand Down Events

- Annual OSHA Stand Down for Fall Protection: May 1-5, 2023
- SSC Construction Safety Stand Down: Thursday, May 11, 2023



Safety Observations





Safety Topic

Arc Flash Safety

It Happens in a Flash!
Understanding Arc Flashes
and How to Avoid Them



The graphic shows a video player interface. At the top is an orange "WARNING" sign with a black triangle icon. Below it is a white sign with a yellow triangle containing a black arc flash symbol and the text "Arc Flash Hazard". A play button icon is overlaid on the top sign.

Click graphic to see NSC video (Approximately 3 minutes long)

Preventing Arc Flash

An arc flash can release a deadly energy blast without warning that can cause severe physical harm. This makes it one of the most hazardous events any electrical worker can face. Even though it's nearly impossible to predict an arc flash, there are a few steps you can adopt to prevent an arc flash from happening on your project site.

Perform Electrical Hazard Analysis

Every arc flash prevention strategy should start with hazard analysis aimed at calculating the amount of energy that could be released at selected points along the power chain. Accuracy is vital with such measurements, so a qualified power system engineer should be tasked with this.

Always Read Equipment Warning Labels

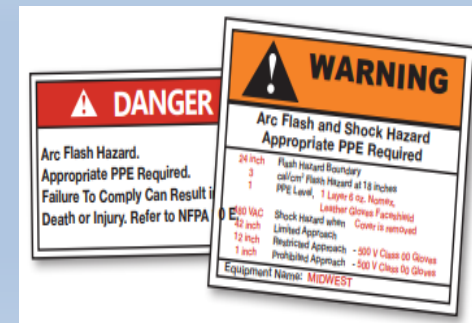
Servicing different electrical equipment periodically is very important to keep them running safely and efficiently. Reading and following the warning labels posted on the equipment will help to prevent an arc flash during examination and servicing. These warnings are established by the equipment manufacturer which conducts electrical system analysis to determine the degree of arc flash energies. These labels will alert you to the necessary PPE level arc suit you need to wear.

Wear Arc Protective Gear

In places where qualified technicians must work on energized equipment, proper use of Personal Protective Equipment (PPE), particularly arc flash suits and other electrical protective equipment, should be worn.

Receive Electrical Safety Training

Both the employer and employees should receive proper safety training to prevent arc flashes on electrical job sites.



SSC's Electrical Safety Program documented in Stennis Common Work Instruction ([SCWI-8715-0006](#)) establishes minimum standards to prevent personnel from hazardous electrical exposures and stipulates "only qualified personnel will conduct any electrical related work".



Questions



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