

Hot Work Program at SSC

SCWI-8838-0002

Hot Work Program at SSC

- This was the result of a fire which occurred when hot metal “slag” got on a fiberglass ladder. Luckily, no one was injured, not even the guy standing on the ladder.
- Fires can occur at any time during “hot work.” That’s why we have a Hot Work Program.



Hot Work Program at SSC

- SCWI-8838-0002 establishes the requirements and procedures that enable us to perform “hot work” while reducing the risk of fire injuries or property damage.
- The SCWI applies to everyone at SSC.
- Includes welding/cutting operations, any “open-flame” devices, and devices that produce hot sparks during operation.

Hot Work Program at SSC

- The program is administered by the FOSC Fire Department.
- Requests for Hot Work Permits (Form SSC-68) are made to the Fire Department (228-688-3639). *DO NOT CALL THE EMERGENCY NUMBER!!!*
- On-duty firemen are dispatched to write the permits, and their other duties may interfere if you do not give some advance notice.

Hot Work Program at SSC

- The most common permit is the daily permit, which is written for the work shift.
- If you need an extended (example 1 week) permit, you may request it through the Fire Department. If you have a good case, and the hazards are low, you may be given an extended permit.

Hot Work Program at SSC

- The Fire Department determines if Safety needs to perform air sampling.
- The final approval on any Hot Work Permit is the Facility Manager or Test Operations Engineer.
- The red (carbon) copy of the permit must be kept at the job site and is part of the work package.

Hot Work Program at SSC

- “All personnel engaged in welding, cutting, spark-producing, or heat-producing operation are responsible for knowing the *exact locations of the nearest telephone and/or nearest fire alarm pull station to be used in case of an emergency.*”
- “The Fire Watch shall be familiar with the facility, and the *procedures for alerting/notification in the event of a fire.*”
- “The Fire Watch shall remain on-site at the vicinity of hot work for 30 minutes after the hot work has been completed.”

Hot Work Program at SSC

- Common Pitfalls
 - Workers are expected to be onsite and ready to work when the Fire Department arrives. If not, the Fire Department will leave and you will have to “get in line.”
 - Your fire extinguisher must be in date.
 - Combustible materials in area must be removed or covered to the Fire Department’s satisfaction.
 - Bad insulation on welding cables may be a hazardous condition, and your request for a permit may be denied.



National Aeronautics and
Space Administration
John C. Stennis Space Center

SSC Hot Work Permit

(Implemented by SCWI-8838-0002)

No. _____

Date and Time Issued	Expiration (Date and Time)	Exact Location Permit is Issue for:
Issued To (Company)		Work Authorization Document No. or Control Number

Type of Operation (Flame Producing)

<input type="checkbox"/> Spark-producing Grinders/Tools	<input type="checkbox"/> Welding	<input type="checkbox"/> Oxy-fuel Cutting
<input type="checkbox"/> Brazing	<input type="checkbox"/> Fuel fired Heaters	<input type="checkbox"/> Soldering
<input type="checkbox"/> Other Open Flame-producing Devices (Explain)	<input type="checkbox"/> Internal Combustion Engine Used Within a "Hazardous (Classified) Area"	<input type="checkbox"/> Benzomatic Touch

Type of Operation (Non-Flame Producing) but Occurring within a "Hazardous (Classified) Area" and Requiring Safe Atmospheric Verification (Explain Below)

— ATTENTION —

Before approving any cutting, welding, grinding, brazing, soldering, open flames, or other type of hot work, the responsible Permit Authorizing Individual (PAI) for the area shall inspect the proposed work area and identify the precautions taken. Any special instructions required will be addressed on the back of this form.

<p>Yes No N/A</p> <p>— Site Preparation —</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is installed sprinkler system in service? If no, Fire Department must be notified and sign permit</p> <p><input type="checkbox"/> <input type="checkbox"/> Is a safe atmospheric check required? If yes, complete Safety Engineer to record %LEL section and sign permit.</p>	<p>— Safe Atmospheric Verification —</p> <p>Percent (%) LEL _____</p> <p>Instrument Reading: _____ %LEL</p> <p>Time Area Was Checked: _____ AM/PM</p> <p>Frequency Required</p> <p><input type="checkbox"/> Initial <input type="checkbox"/> Continuous <input type="checkbox"/> Hourly</p>
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— Precautions Within 25 ft of Work —

Fire extinguishers available: Multipurpose Water CO₂ Dry Chemical

Known location of nearest phone: _____

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Floors cleaned of combustibles and combustible materials removed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combustible materials wet down or covered with fire resistant shields.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wall and floor openings, cracks, holes, etc. covered.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cable trays and/or nonmetallic wire covered with fire-resistant shields. HVAC ducts/chimney covered with fire resistant shields.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combustible materials removed or covered on other side of walls, ceilings, roof, or partitions to prevent heat transfer via conduction or radiation.

— Work on Enclosed Equipment —

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Enclosed equipment cleaned of all combustibles, flammables.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Containers purged of flammable/combustible liquids, vapors, or gases.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No pressure in piping/storage of vessels.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Piping/pressure vessels purged with inert gas and verified.

Printed last name and signature of individual responsible for fire watch:	Printed last name and signature of individual responsible for Hot Work:
Safety Eng. printed name and signature (if required)	Fire Department printed name and signature (if required)

Facility Manager or Construction Engineer printed name and signature (I permit this work to be performed in the location noted.)

Printed name, signature, date and organization of Permit Authorizing Individual issuing Permit (I verify all proper precautions have been taken and the area is ready for Hot Work.)

In Case of Fire—Call 911
or
Use Your radio to Notify SSC Security Dispatch by Depressing the Emergency Alarm on Top of the Radio

SSC-88 (03/2009) Previous Versions Shall Not be Used.