



## Marine Safety Information Bulletin

12 - 11

October 4, 2011

### CAPTAIN OF THE PORT (COTP) PORT ARTHUR – HOTWORK NOTIFICATIONS AND PERMITS

The purpose of this Marine Safety Information Bulletin (MSIB) is to inform facilities and vessels when they must notify the Marine Safety Unit Port Arthur Captain of the Port (COTP) of hot work operations. It also explains the requirements that must be met for a facility to request and obtain a permit approved by the COTP when required by regulation.

Per Title 33, Code of Federal Regulations (CFR), Part 126.30, a facility operator **MUST NOTIFY** the COTP prior to conducting hotwork operations onboard a vessel when containerized dangerous cargo is located within 100 feet of bulk cargo operations involving flammable or combustible materials, fueling operations, or explosives. In addition, this notification must also be made when hotwork operations are conducted within 50 feet of any other hazardous materials.

Per Title 33, CFR, Part 154.735 (I), the COTP **MAY** require a facility operator regulated under this part to notify him when hotwork operations will take place on a facility handling any hazardous material. Although this notification is not currently required, the COTP may impose this requirement on a facility if warranted.

Per Title 33, CFR, Part 127.617, hotwork is not permitted on a waterfront facility (or any vessel moored to that facility) that handles Liquefied Natural Gas (LNG) or Liquefied Hazardous Gas (LHG) without a permit approved by the COTP.

Notification must be given to the COTP at least 24 hours prior to hotwork operations at designated waterfront facilities, as defined by Title 33, CFR, Part, 126.3. LNG and LHG facilities, defined in Title 33, CFR, Part 127.001, must submit a hotwork permit request to the COTP at least three business days prior to the start of the hotwork operation. The permit request form, CG-4201, is attached to this bulletin. This form may be used either as a request for a permit **OR** notification and should be faxed to 409-723-6534. Failure to comply with this requirement may subject a facility or ship operator to a penalty of up to \$40,000.

This bulletin will be posted on the Coast Guard's HOMEPORT website at <http://homeport.uscg.mil>. Any questions or concerns may be directed to Marine Safety Unit Port Arthur's Incident Management Division at (409) 719-5045.

A blue ink signature of G. J. PAITL, written in a cursive style.

G. J. PAITL  
Captain, U.S. Coast Guard  
Captain of the Port

<b>U.S. DEPARTMENT OF HOMELAND SECURITY</b> U.S. COAST GUARD CG-4201 (Rev. 10-06)	<h2 style="margin:0;">Welding and Hot-Work</h2> <p style="margin:0;">(Electric Welding, Oxyacetylene Welding, Burning, Cutting and Other Hot-Work)</p> Check Applicable Box: <input type="checkbox"/> Permit <input type="checkbox"/> Notification	Form Approved OMB No. 1625-0016				
FROM: Owner/Operator  Phone: Fax:	TO: CAPTAIN OF THE PORT  <hr style="width:100%;"/> U.S. COAST GUARD Phone: Fax:	DESCRIPTION OF WORK  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">LOCATION</td> <td style="width:30%;">DURATION</td> </tr> <tr> <td></td> <td style="text-align: center;">FROM      TO</td> </tr> </table>	LOCATION	DURATION		FROM      TO
LOCATION	DURATION					
	FROM      TO					
I agree to comply with and to require my employees to comply with the below listed requirements. I understand that failure to comply with these requirements may subject me and any other responsible person to the penalties prescribed in the Ports and Waterways Safety Act (33 USC 1226-1227) and will result in the cancellation of any permit issued.						
DATE	TITLE	SIGNATURE				
FROM: CAPTAIN OF THE PORT  <hr style="width:100%;"/> U.S. COAST GUARD	TO: Attn: Owner/Operator Facility Address	PERMIT NUMBER:  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">VALID (DATE/TIME)</td> </tr> <tr> <td style="width:50%;">FROM</td> <td style="width:50%;">TO</td> </tr> </table>	VALID (DATE/TIME)		FROM	TO
VALID (DATE/TIME)						
FROM	TO					
This permit authorizes the above described welding, burning, or other hot-work to be performed subject to the requirements listed hereafter.						
DATE	ISSUED BY					
<b>REQUIREMENTS</b> (In addition to applicable regulations in 33 Code of Federal Regulations (CFR) Parts 126, 127, and 154)						
<b>PERSONNEL</b>	<input type="checkbox"/> A qualified operator shall be in charge. <input type="checkbox"/> All persons using any cutting, welding, or other hot-work equipment shall be fully qualified in its use and associated safety procedures.					
<b>EQUIPMENT</b>	<input type="checkbox"/> All equipment shall be in good condition. <input type="checkbox"/> Oxygen and acetylene cylinders shall be placed in an upright position and properly secured. Hose shall be free of leaks. <input type="checkbox"/> In confined spaces, mechanical ventilating equipment shall be supplied to exhaust fumes to the outer atmosphere. <input type="checkbox"/> Each electric welding machine shall be properly grounded to prevent arcing. <input type="checkbox"/> Welding machines driven by liquid fuel shall be equipped with drip pans and shall be fueled off the pier.					
<b>SCENE</b>	<input type="checkbox"/> All flooring in the area of operation shall be swept clean. Wooden planking shall be wet down. <input type="checkbox"/> All combustible material shall be removed 35 feet horizontally from the work area or protected with flame proofed covers or shielded with metal or fire resistant guards or curtains. <input type="checkbox"/> The pier superintendent or authorized representative and the welding foreman shall make a joint inspection of the area and adjoining areas before any hot-work is started. <input type="checkbox"/> The pier superintendent or authorized representative and the welding foreman shall notify the welder of all fire hazards in the area.					
<b>FIRE PROTECTION</b>	<input type="checkbox"/> A competent fire watch shall be maintained and, if the hot-work is on the boundary of a compartment (i.e. bulkhead, wall or deck) an additional fire watch shall be stationed in the adjoining compartment and have immediately available at least one <i>UL</i> approved fire extinguisher containing an agent appropriate to existing conditions. The minimum rating of the fire extinguisher shall not be less than <i>4A</i> or <i>4B</i> as defined by National Fire Code 10. A fire hose shall be available, already led out, and with pressure at the nozzle. <input type="checkbox"/> Fire watchers shall have no duties except to watch for the presence of fire and to prevent the development of hazardous conditions. The fire watch shall be maintained for at least one half hour after completion of the hot-work. <input type="checkbox"/> Flammable vapors, liquids or solids must first be completely removed from any container, pipe or transfer line subject to hot-work. Tanks used for storage of volatile substances must be tested and certified gas free prior to starting hot-work. <input type="checkbox"/> Proper safety precautions in relation to purging, inerting, or venting shall be followed for hot-work on containers.					
<b>GENERAL</b>	<input type="checkbox"/> All safe practices in <i>NFPA 51B</i> and all local laws and ordinances shall be observed. <input type="checkbox"/> In case of fire or other hazard, all cutting, welding or other hot-work activity and equipment shall be completely secured. <input type="checkbox"/> This permit does not exempt you from applicable notification requirements.					
ADDITIONAL DIRECTIONS OR ORDERS						
I acknowledge receipt of this welding and hot-work permit. (Please return signed copy to the COTP.)						
DATE	TITLE	NAME and SIGNATURE				

**A. Scope:** The following is intended as explanatory language for federal requirements contained in 33 Code of Federal Regulations (CFR) Parts 126, 127 and 154 regarding permit and notifications for conducting welding and hot-work at waterfront facilities or aboard vessels moored thereto. It does not account for local laws and ordinances nor does it account for differing procedures or additional requirements implemented by your local Coast Guard Captain of the Port (COTP).

**B. Permit Application:** The operator of a Liquefied Natural/Hazardous gas facility, subject to 33 CFR Part 127, shall ensure that no welding, torch cutting, or other hot-work takes place on the facility or on a vessel moored thereto unless a permit has been granted by the COTP and the conditions on the permit are met.

**C. Prohibited Hot-Work:** Facilities subject to 33 CFR Part 126 and/or 33 CFR Part 154, are prohibited from conducting welding or hot-work during gas freeing operations or within--

1. 30.5 meters (100 feet) of bulk cargo operations involving flammable/combustible materials,
2. 30.5 meters (100 feet) of fueling operations,
3. 30.5 meters (100 feet) of explosives, or
4. 15.25 meters (50 feet) of other hazardous materials.

**D. Notifications:**

1. **Facilities Subject to 33 CFR Part 126:** The operator of a facility subject to 33 CFR Part 126 must notify the COTP before conducting hot-work on a vessel moored thereto, when containerized dangerous cargo is located within the distances noted in paragraph C above. This form may be used for such notification. Additionally, this form may be used to notify (if required by the local COTP) of welding or hot-work at a facility subject to 33 CFR Part 126. Any such welding or hot-work must be done in compliance with 33 CFR 126.30.
2. **Facilities Subject to 33 CFR Part 154:** This form may also be used to notify (if required by the local COTP) of welding or hot-work at a facility subject to 33 CFR Part 154. Any such welding or hot-work must be done in compliance with 33 CFR 154.735(l).

**E. Additional Requirements:** The COTP retains the authority to request prior notification for all hot-work conducted at any facility or vessel within the COTP zone if the COTP deems it necessary. There may be additional requirements regarding hot-work for vessels at anchor. Additionally, there are specific requirements for different types of vessels such as tank vessels (46 CFR 35.01-1) and passenger vessels (46 CFR 71.60(c)(1)). Please consult with your local COTP for hot-work aboard such vessels.

An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number.

The Coast Guard estimates that the average burden for this report is 30 minutes. You may submit any comments concerning the accuracy of this burden estimate or any suggestions for reducing the burden to: Commandant (G-3PCP-2), U.S. Coast Guard, 2100 2nd St, SW, Washington, D.C. 20593-0001 or Office of Management and Budget, Paperwork Reduction Project (1625-0016), Washington, DC 20593.