



New Task Training Form Report
30 CFR Part 46

Task: The Operation of a Welder

Objectives: Employee will demonstrate safe operating procedures for operating a welder as well as to correctly understand the safety procedures for operating this equipment.

Training Material: **Company Designated Training Person**

A.) Training Methods: **The Trainer should discuss with the Trainee the following:**

Safety Section:

- | | |
|-------------------------------------|--|
| *Gas & Flux Safety (MSDS) (Trainer) | Explain using the msds of the shielding gas we use at our company as well as the shielding flux how to safely use them by having proper ventilation. |
| *Proper Welder Set Up: (Trainer) | Show how to properly connect the ground to the piece to be welded, and how debris can affect this. |
| *Welding Attire: (Trainer) | A welding mug, and full body protection must be worn at all times will welding. Arc flash can cause burns |
| *Gas Pressure: (Trainer) | We use arrestors, and regulators, but the trainer must still explain how to use a shielding gas with a mig welder |
| *Never Weld: (Trainer) | Never weld on a pressurized vessel, such as a tank or tire rim (if the tire is still on it). The temprature will cause an explosion. |
| *Respirator: (Trainer) | Welding most material other then mild steel will cause harmful vapors, read all msds of material to be welded ever in doubt wear a chemical filter to be safe. |
| *Cleanliness: (Trainer) | Always keep your work area free of debris, so that a fire does not start from materials that are in your area. |
| *Fuels: (Trainer) | Never use a welder near any petroleum products since these are easy to combust, and the arc is more then enough to ignite them. |

B.) Discuss / Demonstrate: Discuss / demonstrate the following job responsibilities and the hazards associated with operation.

1.) Pre-Operational Checks

- | | |
|---|--|
| <input type="checkbox"/> Pressure Gauges - Check | <input type="checkbox"/> Welding Mug - Inspect for good working order |
| <input type="checkbox"/> Lead Cord - Check for cracks in the jacket | <input type="checkbox"/> Clothing - Proper attire for the job |
| <input type="checkbox"/> Stinger - Check for cracks | <input type="checkbox"/> Area - Clear of objects that can catch fire |
| <input type="checkbox"/> Tip - Check for no debris | <input type="checkbox"/> Fire Cloth - To protect parts that may catch fire |
| <input type="checkbox"/> Regulator & Arrestor - That they are there | <input type="checkbox"/> Tools - To change tank or tighten the tip nut |
| <input type="checkbox"/> Tanks - Check that they are secured | |

2.) Proper starting and operational techniques

- Before starting; make sure to know how to make adjustments to the regulators
- Know how to connect your lead & Ground
- Proper attire is worn
- Proper inspection of equipment
- Size of rod & Temp for material size
- Temperature selection for the proper material size
- Proper shut off & bleeding off of the hose lines, when shutting down

3.) Operation of the machine

The designated company trainer will observe the trainee as he/she starts the welder, and welds a pre-determined piece of steel, and makes sure that all proper clothing is worn, and make sure that if any questions arise that the trainee goes to the msds for checking of any other hazards.

If the trainee fails to show proper operating procedures, the trainer will go back over the information for the failed procedure. Once covered material is covered the trainer will re-observe the trainee perform the task again until the trainer is satisfied that the trainee has the proper skills to perform tasks with this piece of equipment.

C.) The remainder of the task training will be accomplished through the employee (trainee) practicing the operational steps while being closely observed by a competent trainer while performing the task. When the competent person states that the newly-assigned employee has demonstrated proficiency in performing the task safely, the task training will be considered completed. Once completed; the signatures of both employees is required below.

Completed (Print Name)
Date: _____ **Trainee:** _____

Completed (Print Name)
Date: _____ **Competent**
Person: _____

Duration of Training: _____

Company Name: Thelen Sand & Gravel, Inc.

Mine ID#:	11-01228	47-03434	11-03221
&	&	&	&
Location: (circle one)	Antioch Pit	Lange Road Pit	Peterson Pit

Trainee (signature): _____

(I certify that the above training has been completed)

Competent Person (Signature): _____
(signature of person responsible for health and safety training)

****False certification is punishable under section 110 (a) and (f) of the Federal Mine Safety and Health Act****