

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Subteam: \_\_\_\_\_

## CougarTech Training Module Mechanical Safety – Cut-off Saw

### Learning Material

*Please read and watch the following*

#### Cut-off Saw Procedure:

1. Put on safety glasses, a face shield, and ear muffs. Make sure appropriate attire is being worn.
2. Ensure that the space you will be working in is clear. This means that no one else is working on the same table and ideally, there is no one near you.
3. Place the piece to be cut, which should only be nonferrous material, securely against the back fence and hold it with your hand away from the blade.
4. Make sure the saw is up all the way so it does not kick. Push in the button with your thumb and pull the trigger in with your fingers to turn it on. Without pulling it down, line up the cut line with the laser.
5. Slowly pull the saw down until the blade is about to touch the material. Make sure that you are securely holding the piece to the back fence.
6. Proceed to move the saw slowly down, through the material as far as the saw will go.
7. Do not lift the saw up! Let go of the buttons and wait until the blade completely stops spinning, then lift the saw back up to the full up position.
8. Be careful when taking the cut material off the saw as it can be very hot.
9. Clean up any shavings afterwards.



Watch the following instructional video:

[http://www.youtube.com/watch?v=vXxnju\\_rHLw](http://www.youtube.com/watch?v=vXxnju_rHLw)

### Material Quiz

*Answer the following questions*

1. In what position should the saw be when the blade starts spinning?
2. What materials can you cut with the cut-off saw?
3. In what position should the saw be when the blade comes to a complete stop?

4. What personal protective equipment should you wear when using the cut-off saw?

**Practice/Assessment**

*Find a qualified mentor and follow the procedure under observation*

Task: Safely demonstrate use of the cut-off saw on a piece of 80x20.

Mentor name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_