

SAFETYPOINT



Scrapyard Safety Training

Arc Flash Quiz

1. _____% of electrical injuries and fatalities among “qualified workers” are caused by arc flash.
a. 25% b. 50% c. 80%
2. Activities with high potential for exposure to arc flash include:
a. Troubleshooting live circuits b. Opening or closing circuits c. Grounding circuits d. All of the above
3. Potential arc flash causes may include:
a. Uninsulated tool contact with a live conductor b. Loose wire connections
c. Accidental contact with live conductors d. All of the above
4. Temperatures associated with an arc flash can be up to 35,000 Fahrenheit. **T/F**
5. When working around exposed live conductors insulated tools must be used. **T/F**
6. An arc blast may produce molten shrapnel, sound waves, and damaging pressure waves. **T/F**
7. NFPA 70E uses two hazard categories based on the incident energy of a circuit. **T/F**
8. According to NFPA 70E, the flash protection boundary is the approach distance from an exposed live part where a person could receive at least a second degree burn should if within the boundary when an arc flash occurs. **T/F**
9. The amount of energy generated from an arc flash is measured in calories. **T/F**
10. The primary method for protecting employees from arc flash is to de-energize live parts prior to working on them using proper lockout/tagout procedures. **T/F**

ANSWERS:

- | | |
|---------|----------|
| 1. C | 6. True |
| 2. D | 7. False |
| 3. D | 8. True |
| 4. True | 9. True |
| 5. True | 10. True |

*Voice of the Recycling Industry*

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Send comments or questions to: isrisafety@isri.org