

Training topic: Electrical Safety in Wind Tower Construction and Maintenance

Module #3: Pre-training Quiz

Safe energized electrical work standardization

Training Date: _____ Trainee's company name: _____

Trainee's name: _____ Job title: _____

Please circle just one choice as your best answer to each question:

1. Which organization provides legal regulations governing wind turbine construction and maintenance workers?

- a) U.S. Department of Energy (DOE)
- b) National Fire Protection Association (NFPA)
- c) American Society for Testing and Materials (ASTM)
- d) Occupational Safety and Health Administration (OSHA)

2. Which is correct about "29 CFR 1910"?

- a) Title 29 is for CDC / NIOSH
- b) Title 29 is for DOE
- c) Part 1910 is for general industry
- d) Part 1910 is for construction industry

3. Which of the following regulation(s) apply to wind turbine construction, operation and maintenance (select the best answer)?

- a) 1910.137 - Electrical Protective Equipment.
- b) 1910.269 - Electric Power Generation, Transmission, and Distribution.
- c) 1926.97 - Electrical protective equipment.
- d) 1926 Subpart V - Electric Power Transmission and Distribution
- e) All the above

4. Which of the following electrically safe work practices is correct?

- a) Only qualified employees may work on or with exposed energized lines or parts of equipment.
- b) The minimum approach distance is dependent on voltage, so AC or DC doesn't matter.
- c) Increasing distance away from the arc will increase incident heat energy exposure.
- d) When performing for wind turbine maintenance, protective grounding is not necessary if the lines and equipment have been deenergized.

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Key:

1 D

2 C

3 E

4 A