

Operator Quiz Winter 2019 – Health and Safety

The following questions are designed for trainees as they prepare to take the ABC wastewater operator test. It is also designed for existing operators to test their knowledge. Each issue of *Clear Waters* will have more questions from a different section of wastewater treatment. Good luck!

1. The first step the maintenance staff should take in properly locking and tagging out a piece of equipment is to_____.
 - a. Alert the operator on duty.
 - b. Turn the equipment off at the motor control center (MCC).
 - c. Pull the switch on the electrical panel to “OFF.”
 - d. Fill out the tags.
2. When working in an area with two or more floor coverings, be sure that they are always_____.
 - a. Overlapping one another.
 - b. Secured together.
 - c. Separated from one another.
 - d. At the entrances and exits only.
3. When manually lifting any object, be sure to_____.
 - a. Hold it at arm’s length.
 - b. Keep your back bent and hold it low.
 - c. Keep it close to your body and use leg strength.
 - d. Keep your knees locked and bend at the waist.
4. Oxygen deficiency becomes a concern when the oxygen level in a confined space is less than_____.
 - a. 19.5%.
 - b. 22.5%.
 - c. 25.5%.
 - d. 28.5%.
5. Which of the following provides safety information for potentially hazardous or toxic materials?
 - a. CERCLA.
 - b. OSHA.
 - c. CFR.
 - d. SDS.
6. The threshold limit value concentration for chlorine vapor is_____.
 - a. 0.1 ppm.
 - b. 0.3 ppm.
 - c. 0.5 ppm.
 - d. 1.0 ppm.
7. When working in confined spaces where flammable gases may be present, use only tools made of_____.
 - a. Stainless steel.
 - b. Lead.
 - c. Iron.
 - d. Beryllium.
8. In addition to the worker entering a confined space, what is the minimum number of people required to be present during a confined space entry?
 - a. One.
 - b. Two.
 - c. Three.
 - d. Four.
9. Hearing protection must be made available to all employees exposed to noise levels above_____.
 - a. 85db, averaged over eight working hours.
 - b. 75db, averaged over eight working hours.
 - c. 75db, at any point in an eight-hour workday.
 - d. 85db, at any point in an eight-hour workday.
10. Recommended personal hygiene practices to minimize the risk of being infected by wastewater pathogens include:
 - a. Only rubbing your eyes while working if you are wearing impervious gloves.
 - b. Washing your hands before the beginning of your shift.
 - c. Changing out of your work clothes and showering before leaving work.
 - d. Reading the material safety data sheets for all chemicals used at the plant.

For those who have questions concerning operator certification requirements and scheduling, please contact Tanya May Jennings at 315-422-7811 ext. 4, tmj@nywea.org, or visit www.nywea.org.

Answers to Quiz:

1. (a) Always alert the operator on duty before shutting down any equipment so as to prevent the possibility of harming personnel or affecting process performance as a result of the shutdown.
2. (b) If two or more floor coverings are required, secure them together to prevent trips and falls from the coverings separating.
3. (c) When lifting any object manually, use your legs and keep the object close to your body in order to minimize the risk of back injury.
4. (a) Levels below 19.5% can lead to injury, loss of consciousness or death.
5. (d) SDS (Safety Data Sheets) provide information on chemical hazards, and health, safety and environmental concerns of chemicals.
6. (c) 0.5 ppm.
7. (d) Beryllium.
8. (a) One, an entry supervisor or an attendant must be present during any confined space entry in addition to the entrant.
9. (a) 85db, averaged over eight working hours.
10. (c) Changing out of your work clothes and showering before leaving work.