WATER & WASTEWATER SECURITY PDH WORKBOOK

Completion of this workbook will count for 2 PDHs

Arizona Department of Environmental Quality
Operator Certification Program
1110 West Washington Street
Phoenix, AZ 85007
www.azdeq.gov

NAME_____

OPCERT NUMBER OP0_____

DATE_____

Special Thanks to Amanda Lara and Gateway Community College

DIRECTIONS

A Professional Development Hour (PDH) is equal to one contact hour of continuing education. A total of 30 professional development hours are required for each 3-year renewal period regardless of the number of certificates that are held by an individual operator.

Answer the questions in the space provided with concise and accurate answers. Submit a copy of the completed workbook along with your renewal form when you renew your certificates. It is recommended that you keep a copy of the completed booklet for your records. Completion of this workbook will earn the operator five (5) PDHs. Please print clearly. Workbooks that are illegible will not receive PDHs.

The type of PDH acceptable to the Department for certificate renewal include, but are not limited to: An approved college course, a course offered by a Certified Environmental Trainer, regulatory and tribal agency training, certain types of in-house training, technical conferences, correspondence courses, and manufacturer product training. An accredited college course is usually recorded in credit hours. In general, 1 college credit hour = 10 PDHs. If an operator has a question about a specific type of training, please contact the Operator Certification Program for approval before attending the training.

For additional training/PDHs click on the link below. This course provides 16 hours of PDH-approved training for drinking-water operators in the State of Arizona. These are available as individual lessons for credit or as a whole course.

http://www.waterhelp.org/index.php/client/arizona

FOR MORE INFORMATION, CONTACT:

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1. What is a Vulnerability Assessment (VA) and why is important?

_____
_____
_____
_____
_____

2. The Bioterrorism Act of 2002 requires that drinking water utilities conduct a VA and develop emergency response plans. What is the amount of people served under this act?

- ☐A. 3,000
- ☐B. 1,500
- ☐C. 3,300
- ☐D. 5,000

3. According to Appendix B, what are the important "transitional steps" for the Incident Command System?

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4. List some vulnerabilities to the Water and Wastewater Systems Sector.

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5. When planning for an Emergency Notification, list five key points you want to get across.

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6. Using the Emergency Response Guidebook (ERG) from 2016, the pictogram is part of the GHS label, which also includes five key items. List those items.

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7. Which of the following interdependent and dependent sectors would suffer negative impacts from a denial of service in the Water and Wastewater Systems Sector?

- ☐A. Energy, Food and Agriculture, Transportation Systems
- ☐B. Public communications
- ☐C. Infrastructure

8. Referring to the 2016 ERG, label the following:

Guide 140: _____
Guide 133: _____
Guide 137: _____
Guide 159: _____

9. Referring to the ERG, table 1, Initial Isolation and Protective Action Distances, what is the distance in feet you must isolate in all directions for a small chlorine spill?

- ☐A. 100 ft
- ☐B. 400 ft
- ☐C. 200 ft
- ☐D. 250 ft

10. According to FEMA, what is the Disaster Recovery Reform Act of 2018?

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_____
_____
_____
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_____

11. According to FEMA, what is the Review of Assistance for Damaged Underground Water Infrastructure (Section 1245)?

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_____
_____

12. Per AZDHS, list the state contact number for emergency and health resource information (Arizona Division of Emergency Management).

_____
_____
_____

13. List OSHA's contact number to report emergencies, unsafe working conditions, safety and health violations, to file a complaint, or to ask safety and health questions?

_____
_____
_____
_____

14. What is Public Law 107-188 and why is it important?

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_____
_____
_____

15. What is GLP 48 FR 53922, 40 CFR part 792?

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_____
_____
_____

16. According to the Stafford Act (title 6, sec. 321g, Conduct of certain health-related activities), the State Coordinating Officer of Health and Human Services shall set priorities and preparedness goals and further develop a coordinated strategy for such activities in collaboration with the Secretary.

☐A. True

☐B. False

If false, list the correct position title.

_____
_____
_____

17. What is the Stafford Act?

_____
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18. In your own words, explain why Water and Wastewater Security is important.

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_____
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_____

NAME_____

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For additional free training, please visit http://training.fema.gov/IS/NIMS.asp . These online courses are self-study FEMA sponsored Emergency Management classes. PDHs will be awarded for completion of these classes.

SAVE