$\begin{array}{c} \text{Operator} \\ \text{Quiz} \end{array} \quad Summer \quad 2022 - \text{Wastewater Characteristics} \\ \end{array}$

he following questions are designed for individuals/trainees pursuing certification 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 process of wastewater treatment. Good luck!

Waste discharge requirements issued on a mass basis depend on pollutant		7. In the United States, as part of the national pretreatment program, plants with a design flow of more than	
b.	Concentration.	a. 5 MGD	
C.	Mass per liter of water.	b. 15 MGD	
d.	Mass per unit volume.	c. 3 MGD	
		d. 10 MGD	
2. W	hat is a sewer use ordinance?		
a.	Laws that control discharges of wastewater	8. A sample with high would have the most accurat	
	to the sewer system.	result.	
b.	Laws that give authority to POTWs to require	a. Error and bias.	
	industrial pretreatment and to issue permits.	b. Precision and accuracy.	
C.	Laws that allow POTWs to conduct inspections	c. Dilution.	
	of industrial users.	d. Historical data.	
d.	All of the above.		
		9. What agency enforces requirements to ensure that industries	
3. TI	ne acronym NPDES stands for National	pre-treat pollutants in their wastes in order to protect local	
a.	Pollutant Discharge Elimination Service.	sanitary sewers and wastewater treatment plants?	
b.	Pollutant Discharge Elimination System.	a. OSHA	
C.	Permitted Discharge Elimination System.	b. EPA	
d.	Permitting for Discharging Effluent System.	c. DOH	
		d. DEC	
4. S	olids loss over the weirs of a secondary clarifier will most		
lil	kely lead to an increase in	10. In what year was the Federal Water Pollution Control Act	
a.	Effluent pH.	amended?	
b.	Skimmer speed.	a. 1948	
C.	Chlorine demand.	b. 1776	
d.	MLSS concentration.	c. 1972	
		d. 2022	
5. TI	ne disinfection efficacy of chlorine		
a.	Decreases with time.	Answers below.	
b.	Increases pH.		
C.		For those who have questions concerning operator certification	
d.	Decreases with temperature.	requirements and scheduling, please contact Carolyn Steinhauer at 315-422-7811 ext. 4, carolyn@nywea.org, or visit www.nywea.org.	
6. W	hat of the following is most used in toxicity tests?		
a.	Trout.		
b.	Large-mouth bass.	Th	
C.	Salmon.		
d.	Minnows.		