



Certification Boulevard

Test Your Knowledge of Emerging Contaminants & Industrial Applications · Answer Key

1. The application for approval of an Industrial Waste Pre-treatment Program must contain all of the items listed in Rule 63-625.500. **True** or False
2. What is the common preservation method for an Industrial Waste sample to be tested for CBOD₅?
 - A. **Cool to 4°C**
 - B. Dechlorination
 - C. Acidification
 - D. Cool to 4°F
3. An Industrial facility has a confined space manhole with hazardous gas ... the vapor density of the hazardous gas present is 1.15 ... where is this gas more likely to be found?
 - A. Near the ceiling
 - B. Equally distributed throughout the space
 - C. **Near the floor**
 - D. At this density, the gas will dissipate immediately
4. Who oversees implementation of the Pretreatment Program? **EPA** or Congress
5. What is the CFR? ***Code of Federal Regulations***
6. What does the term “EPOC” mean?
 - A. Energy pollution of context
 - B. **Emerging pollutants of concern**
 - C. Every person of Canada
 - D. Evaluate public opposition calmly
7. What section of the 40 CFR will you find general Pretreatment Regulations?
 - A. 408
 - B. **403**
 - C. 406
 - D. 412

8. What may be the major element upon which a Stormwater Utility is based?

- A. Property Value
- B. Impervious Area**
- C. Amount of Annual Rainfall
- D. Number of Community Lakes

9. What is the primary reason that heavy metals are considered a pollutant?

- A. Color
- B. Toxicity**
- C. Weight
- D. Appearance

10. Given the following data, calculate the CBOD₅ in a sample of Industrial Wastewater:

- Sample Volume = 3.5 ml
- Initial D.O. = 6.8 mg/L
- Final D.O. = 4.2 mg/L

- A. 460 mg/L
- B. 584 mg/L
- C. 345 mg/L
- D. 223 mg/L**

$$\begin{aligned} \text{CBOD}_5, \text{ mg/L} &= (\text{Initial D.O., mg/L} - \text{Final D.O., mg/L}) \div (\text{sample vol, ml} \div 300 \text{ ml}) \\ &= (6.8 - 4.2) \div (3.5 \text{ ml} \div 300 \text{ ml}) \\ &= 2.6 \div 0.01167 \\ &= 223 \text{ mg/L} \end{aligned}$$

Please forward your comments and sample questions for publication to:

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