

**Facilitator Version: Final Quiz** Note to instructor: Correct answers are in bold.

1. Multiple Choice: \_\_\_\_\_ is the primary environmental concern in waters that receive stormwater containing deicers.

- A. Low dissolved oxygen**
- B. Aquatic toxicity
- C. Increased salinity
- D. Reduced ice cover

2. Multiple Choice: The categories of BMPs available in the deicing runoff management toolbox includes:

- A. Treatment/Recycling
- B. Source Reduction
- C. Collection/Containment
- D. all of the above**

3. True / **False**: Urea is the most environmentally friendly airfield pavement deicing product available.  
Answer: Urea has the greatest potential for environmental problems among the approved airfield pavement deicers.

4. **True** / False: Foul odors can be produced when glycols break down in conditions of low oxygen, such as in airport storm sewers.

5. **True** / False: Deicers are readily biodegradable and are a rich food source for microorganisms in the environment.

6. True / **False**: Some certified aircraft and airfield deicing products have no implications at all for environmental impact.

7. **True** / False: Blending to temperature has been found to reduce ADF usage by 30% or more over the course of a winter season.

8. Multiple Choice: Less than approximately \_\_\_\_\_ of applied ADF is potentially collectible, even with the most aggressive efforts.

- A. 10%
- B. 25%
- C. 60%
- D. 80%**

9. **True** / False: Environmental regulatory compliance requirements related to stormwater containing deicers are found in an airport's NPDES stormwater discharge permit.

10. True / **False**: Roadway salt can be used for deicing airfield pavement if other deicers are not available.

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9. True / False: Environmental regulatory compliance requirements related to deicing are not contained in an airport NPDES stormwater discharge permit.

10. True / False: Roadway salt can be used for deicing airfield pavement if other deicers are not available.