**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.