

Professional Development Series Quiz



Quiz Instructions: On the Professional Development Series Reporting form at the bottom of the page, circle the correct answer for each of the following questions.

- Three of the five keys to Green Design Engineering are:**
 - Wattles, grass seed and blankets
 - Soil testing, vegetation selection, proper installation
 - LEED Certification, green roofs and bioswales
 - Product selection, product cost, maintenance
- When performing an agronomic soil test, which of the following does NOT need to be examined?**
 - density
 - pH
 - nutrient levels
 - organic matter
- What type of hydraulically applied seeding/mulching is the most cost effective way to ensure intimate seed-to-soil contact to develop the greatest potential for vegetative establishment?**
 - Application of all materials in one step
 - Application of materials in two steps
- Which of the following should NOT be considered when attempting to select vegetative species?**
 - Soil properties
 - Climate
 - Sustainability
 - Product marketing
- For channel design, two of the key parameters needed to properly select an erosion control technique are:**
 - Soil testing and biostimulants
 - Velocity and shear stress
 - Soil compaction and staple pattern
 - Cover factor and rainfall intensity
- If you track-walk a slope versus smooth-compact a slope, you:**
 - can reduce erosion potential by as much as 70 percent
 - can increase erosion potential by as much as 70 percent
 - do not affect potential erosion
- For slope design, three of the key parameters needed to properly select an erosion control product are:**
 - Velocity, shear stress and bed slope
 - Installation, inspection and maintenance
 - Rainfall factor, soil type and cover factor
 - Slope length, grass species and soil testing
- When are inspections of erosion and sediment control products required for NPDES Phase II regulations?**
 - After every significant rain event during construction
 - After every site visit
 - Only after the products have been installed
 - Only if you have visible erosion
- Which of the following is not a required prior consideration to ensure proper erosion and sediment control product installation?**
 - Proper soil preparation
 - Installation guidelines
 - Cost
 - CAD details
- What is the goal of Green Design Engineering?**
 - Green roof design
 - Fast implementation and establishment
 - Forcing new methodologies
 - Sustainable vegetation

Professional Development Series Sponsor:

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CE News' Professional Development Series Reporting Form

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Instructions: Select one answer for each quiz question and clearly circle the appropriate letter. Provide all of the requested contact information. Fax this Reporting Form to 847-215-1267, Attn: Carol Ann Hargrove. (You do not need to send the Quiz; only this Reporting Form is necessary to be submitted.)

- | | |
|------------|-------------|
| 1) a b c d | 6) a b c |
| 2) a b c d | 7) a b c d |
| 3) a b c d | 8) a b c d |
| 4) a b c d | 9) a b c d |
| 5) a b c d | 10) a b c d |

Required contact information:

Last Name: _____ First Name: _____ Middle Initial: _____
Title: _____ Firm Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: _____ Fax: _____ E-mail: _____

Certification of ethical completion: I certify that I viewed the webcast, understood the learning objectives, and completed the quiz questions to the best of my ability. Additionally, the contact information provided above is true and accurate.

Signature: _____ Date: _____