

Appendix I: Inspector for Erosion and Sediment Control Knowledge Check Questions and Answers

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I: Module 2: Knowledge Check Answers

1. Which stage of erosion accounts for the highest erosion percentage?
b. Raindrops
2. In which month would precipitation intensity have the greatest impact on soil?
b. July
3. Vegetative controls are _____ costly than structural controls.
b. Less

II: Module 3: Knowledge Check Answers

1. What is a land-disturbing activity?

Any man-made change to the land surface that may result in soil erosion from water or wind and the movement of sediments into state waters or onto lands in the Commonwealth, including, but not limited to, clearing, grading, excavating, transporting, and filling of land.

2. What is a regulated land-disturbing activity?

- *LDAs equal to or greater than 10,000 square feet*
- *LDAs of 2,500 square feet or more in portions of localities designated as Chesapeake Bay Preservation Areas*
- *A lower threshold of either when a locality chooses to be more stringent in their ordinance*

3. What is required before land-disturbing activity on a project can begin?

- *Approved ESC plan and certification the plan will be followed*
- *If required, an approved SWM plan and CGP coverage issued by DEQ*

4. When must erosion inspections be scheduled?

- *during, or immediately following, initial installation of erosion and sediment controls; **and***
- *at least once in every two-week period and within 48 hours following any runoff producing storm event; **and***
- *at the completion of the project, prior to the release of any performance bonds; **OR***
- *per a DEQ-approved alternative inspection frequency*

5. List the conditions under which a stop work order could be used?

- *Failure to comply with an approved plan, after issuance of a notice to comply without meeting the deadline stated*
- *Land disturbance started without an approved plan or required permits*
- *Imminent danger of erosion or sediment deposition into waterways*

6. How long does a stop work order issued on an LDA with an approved plan remain in effect?

- *Seven days from the date of service when issued by a VESCP authority*

7. Under what conditions may localities adopt ordinances that are more than state requirements?

- *To prevent any further degradation to water resources,*
- *To address total maximum daily load (TMDL) requirements,*
- *To protect exceptional state waters, or*
- *To address specific existing water pollution including:*
 - 1) *Nutrient and sediment loadings,*
 - 2) *Stream channel erosion,*
 - 3) *Depleted groundwater resources, or*
 - 4) *Excessive localized flooding within the watershed.*

More stringent requirements must be based on factual findings from watershed management studies or findings developed through the implementation of an MS4 permit

8. What must the VESCP authority do following an inspection where it determined there was a failure to comply with the approved ESC plan?

c. Serve notice upon the permittee or person responsible for carrying out the plan