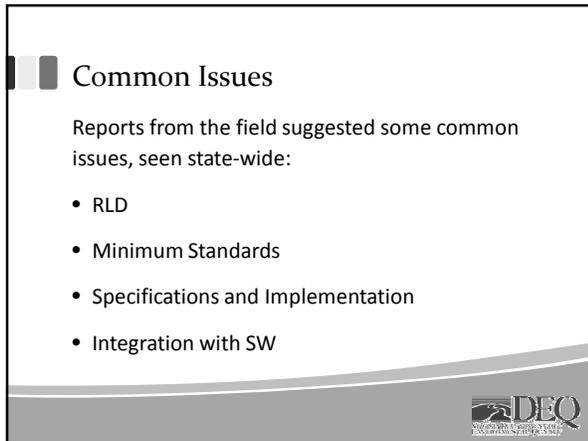


Module 6

Common issues in ESC Inspections



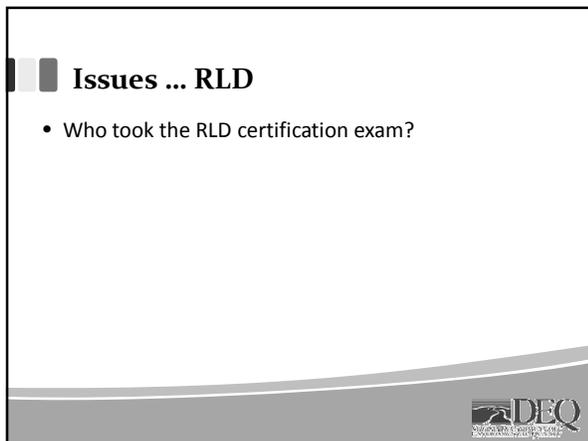


Common Issues

Reports from the field suggested some common issues, seen state-wide:

- RLD
- Minimum Standards
- Specifications and Implementation
- Integration with SW





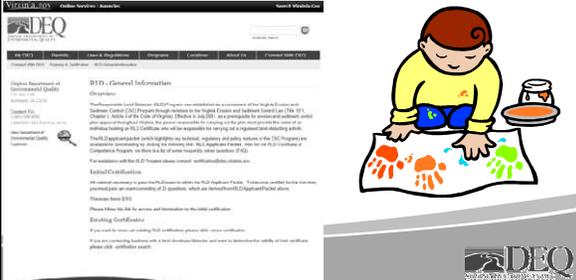
Issues ... RLD

- Who took the RLD certification exam?



Solutions ... RLD

- RLD → New (training &) certification process



The screenshot shows the DEQ website with a navigation menu and a main content area. A cartoon illustration of a child in a yellow shirt painting on a piece of paper is positioned to the right of the text. The DEQ logo is visible in the bottom right corner of the screenshot.

Issues ... RLD

- Implement the approved plan
 - Plan reading skill
 - Changing the plan without consultation/installation according to approved plan
 - Sticking to the construction sequence
 - Removal/conversion of the ESC measures
 - Installation of outlet protection and conveyance channels



The image shows a person wearing a white helmet with black wings and a white tank top with the text "#1 RLD" and "EXTREME" on it. The DEQ logo is in the bottom right corner.

Follow the approved plan



The photograph shows a construction site with a concrete foundation for a structure, surrounded by a large pile of gravel. The DEQ logo is in the bottom right corner.

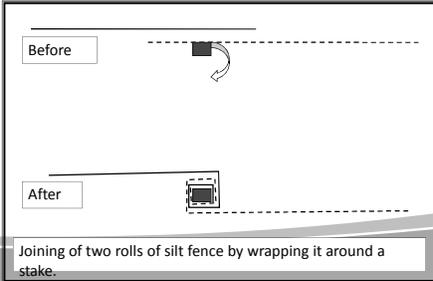
Issues ... RLD

- Joining silt fence



Solutions ... RLD

- RLD → New (training &) certification process



Joining of two rolls of silt fence by wrapping it around a stake.



Issues ... RLD

- Recognizing drainage ways, streams and wetlands

Needed for controls, temporary crossings (MS-13), buffers and staging of operations



Issues ... general

- Incremental seeding

Discussion & Solution

MS-1

The diagram shows two stages of stabilization. On the left, a box labeled 'Not at Final Grade' contains the following text: 'Stabilize in 14 days', 'Temporary seeding + Mulch', 'Mulch', and 'Permanent stabilization if dormant > 1 year'. An arrow points from this box to a second box on the right labeled 'At Final Grade', which contains: 'Stabilize in 7 days', 'Permanent or Temporary Seeding + Mulch', and 'Mulch'. Above each box is a small photograph of a construction site.

Issues ... general

- Stabilizing topsoil stock piles

Discussion & Solution

MS-2

- Soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures

A photograph of a large, rounded topsoil stockpile. A grey arrow points from the text 'MS-1' to the stockpile. The DEQ logo is visible in the bottom right corner of the slide.

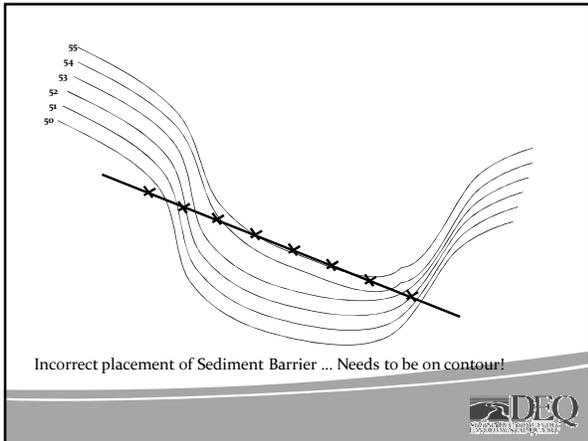
Issues ... general

- Proper placing of silt fence and diversions

Discussion & Solution

- On contour!

The DEQ logo is located at the bottom right of the slide.

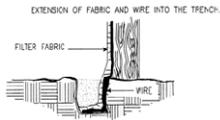


Issues ... general

- Proper placing of silt fence and diversions

Discussion & Solution

- On contour!
- Dug into the soil
- Stabilized immediately (MS-5)



EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.

FILTER FABRIC

WIRE



Issues ... general

- Construction entrances

Discussion & Solution

MS-17

- 70x12
- No short cuts
- Shovel and sweep



Issues ... general

Single family dwellings:

- a. Two agreements in lieu of plans:
 1. Erosion and Sediment Control (locality)
 2. Stormwater (locality or DEQ)
- b. Who implements the agreement in lieu of plan?

Often the contractor will defer to the home owner, who (in most cases) may be clueless



Issues ... general

- Maintenance
 - Every two weeks or immediately after precipitation event
- Documentation
 - VESCP
 - Self Inspections



When not documented an inspection never took place







Issues ... general

- Timing of conversion
- Protecting soil for infiltration

Issues ... general

- Failure to enforce the approved plan (by the VESCP inspector)

Issues ... Summary

- Failure to enforce the approved plan
- Coordinating constructability issues requiring changes to the plan, prompt action when the approved plan is found to be inadequate
- Sticking with the construction sequence, or at least close coordination with the plan-approving authority
- Removing controls / converting basins too early
- Installing practices per the specifications, especially outlet protection and conveyance channels
- Failing to identify and protect streams and wetlands (controls, temporary crossings, buffers, staging operations)
- Agreement in lieu of plan



Question?

What issues have you encountered in performing your ESC job?