



Module 4

Stormwater Inspections During Construction



Documentation

- Inspection Report
 - Document all potential violations
 - Should be clear, legible, & organized
 - Reference photos in the report



Documentation

- Inspection Report
 - Include what regulations say as bullets
 - May include other items as required by the VSMP Authority



Documentation

- Inspection Report
 - Inspection checklist or form
 - Photographs
 - Corrective actions



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Date, Time & Weather Conditions
- Name of Qualified Personnel
- Date of Last Evaluation or Inspection
- Project Representatives



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Date of last measurable storm event
- Amount of last measurable storm event
- Does the project have an approved ESC & SWM plan
- Comments on the plans & their location



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Is the SWPPP located on site?
- On what date was the SWPPP last updated?
- Any changes or variances to ESC or SWM plan?



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- If linear project, was seeding installed, inspections conducted at the proper frequency, & observations noted?
- Were perimeter control installed as a 1st step measure ?
- Soil stockpiles & borrow areas properly stabilized ?



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Were earthen structures stabilized immediately ?
- Were cut & fill slopes constructed to minimize erosion ?
- Were basins, traps & barriers installed per plan ?
- Is concentrated runoff conveyed down a slope properly ?

Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Were operable stormwater inlets protected to prevent sediment from entering ?
- Was sediment transport onto paved surfaces minimized ?
- Was stabilization/vegetation established as per minimum standard 1 ?



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Has LDA been conducted per the approved ESC plan ?
- Locations where practices – failed, do they require maintenance; or are additional practices needed ?



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Was any sediment laden water discharged ?
- Did sediment drain to unprotected inlets ?
- Did inlets and catch basins have failing sediment controls ?
- Was sediment deposition observed on offsite property ?

Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Is maintenance needed to any sediment traps or basins to prevent the discharge of sediment laden stormwater ?

Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- Are pollution generating activities identified in the P2 plan ?
- Are there any pollution generating activities not identified in the P2 or SWPP plans ?



Inspection Report – Pulling it Together

Qualified Personnel should inspect and include the following:

- List of all corrective actions identified in the last report which have not been implemented
- Signature & Date by Qualified Person and Operator
- Evidence of any prohibited discharges (next slide)



Prohibited non-stormwater discharges (880-70 Part I)

D. Prohibition of non-stormwater discharges including:

- 1. NO discharge of wastewater from washout of concrete



Prohibited non-stormwater discharges (880-70 Part I)

- ✘ 2. NO discharge of wastewater from the washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials





Prohibited non-stormwater discharges (880-70 Part I)

- ✘ 3. NO discharge of fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance



Prohibited non-stormwater discharges (880-70 Part I)

- ✘ 4. NO discharge of oils, toxic substances, or hazardous substances from spills or other releases



Prohibited non-stormwater discharges (880-70 Part I)

- ✘ 5. NO discharge of soaps, solvents, or detergents used in equipment and vehicle washing



Prohibited non-stormwater discharges (880-70 Part I)

- e) Date of any prohibited discharges, the discharge volume released, and what actions were taken to minimize the impact of the release



When?
How much released?
What did you do about it?



The SWPPP Checklist





The Inspection Report



LOONEY TUNES



"That's all Folks!"