

The City of Lynn Haven



NPDES Storm water Training Program 2015-2016

Illicit Discharge

Prepared by:



ECO

Consulting Group, LLC



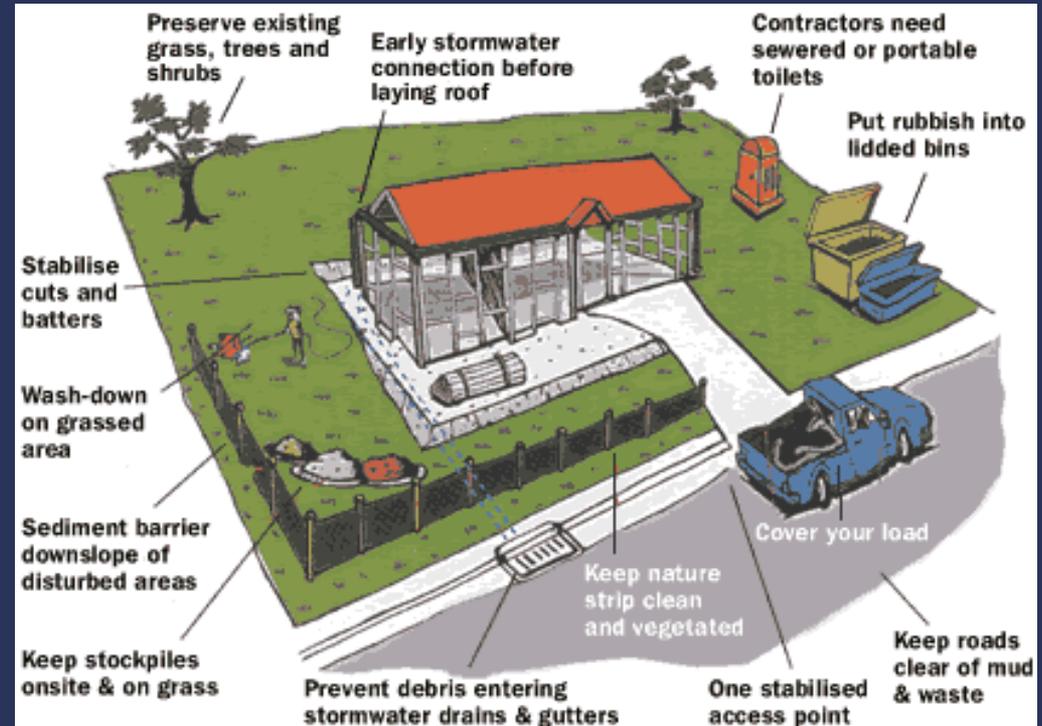
**Clean Water Act
&
National Pollutant Discharge Elimination
System (NPDES)**

Lynn Haven Stormwater SOP = Only Rain Down The Drain

This SOP specifies responsibilities and procedures for inspecting and cleaning the streams, ditches, inlets and retentions ponds within the City.

Why?

- Biological impacts
- Improve Water Quality
- Erosion & Sediment Control
- Impacts to infrastructure
- Flood Protection



BECAUSE IT'S THE LAW
(STATE AND FEDERAL)

Violations – What to do

- Look for evidence of discharge
- Inform contractor/site supervisor of violation if possible
- Get address or location description
- Description of problem
- Take pictures if possible
- **Call Ronnie Williams-Street Supervisor**

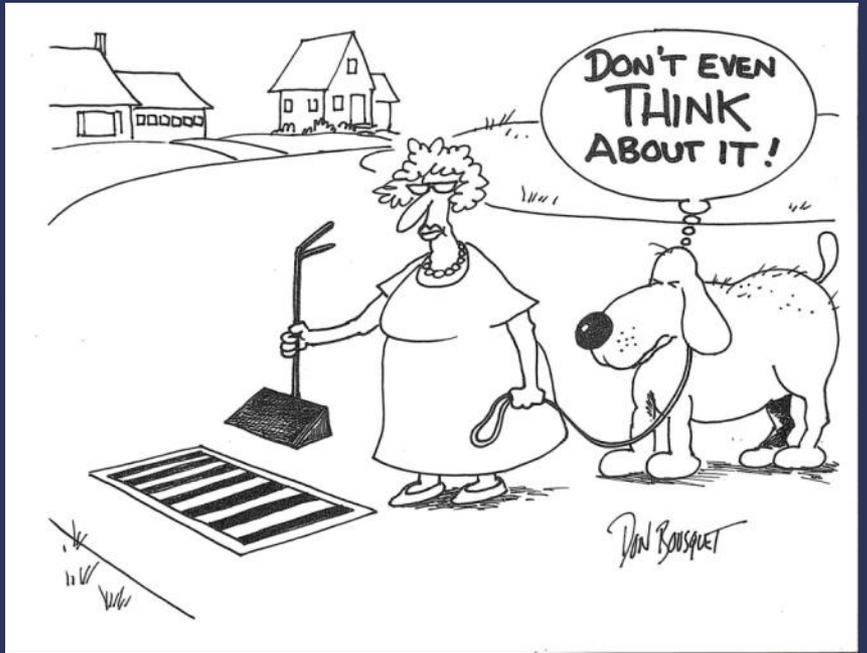
Violation Types

- Discharge to street/right-of-way
- Discharge to surface waters or drainage system
- Both liquid and solid matter can be an illegal discharge
- REMEMBER ONLY CLEAN WATER DOWN THE DRAIN



Street Discharges







Oil and petroleum products





Dewatering discharges are a common violation

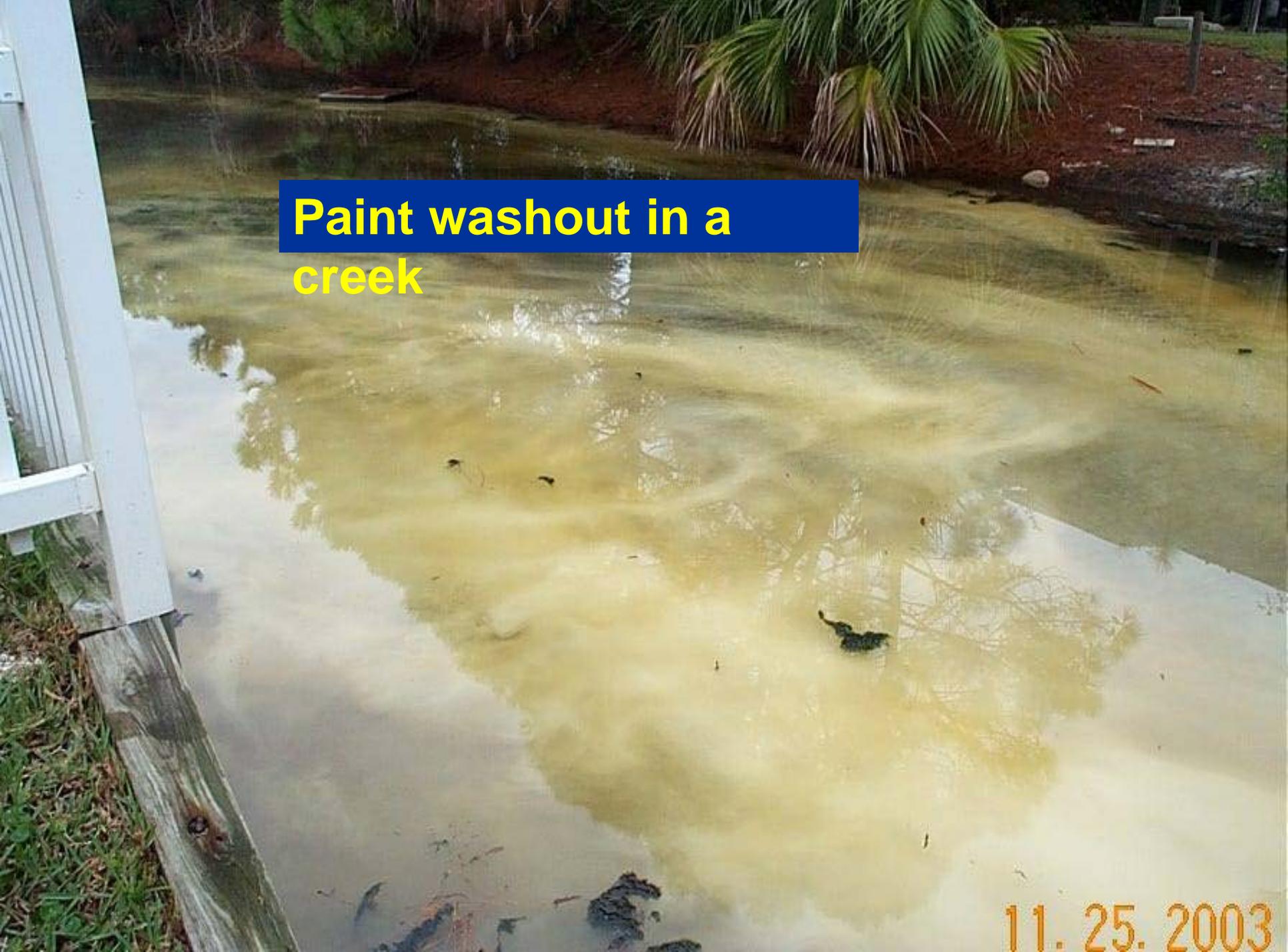
End of Pipe



Discolored water is one indicator of illicit discharge



Is there an odor?



**Paint washout in a
creek**

11. 25. 2003

Construction Site Issues

Techniques to address stormwater,
sediment runoff and erosion control

01.24.2011 14:22

Erosion and sediment control problems can result in discharges and runoff issues



Even County construction projects can be in violation!





10 15 2002 16:22



Sediment runoff can clog stormdrains - \$\$\$\$



BMPS= Best Management Practices- **Schedule of activities, practices, maintenance, prohibition of activities and other management practices to reduce the pollution of surface waters.**

THE GOOD, THE BAD, and THE UGLY



Curb Inlet Protection





08.22.2006

Poor placement of BMP's can cause more problems than they solve.

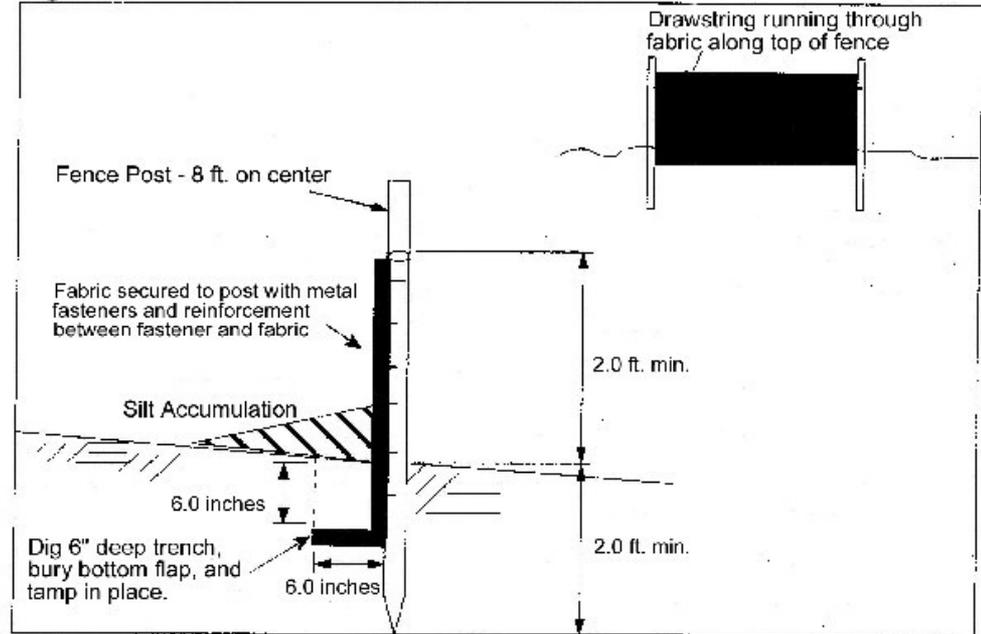


Plastic tubing is not a sufficient BMP; it does not allow water to filter through. This can cause flooding.

Silt Fences



Figure 25-2 Silt Fence construction and installation detail





Silt fences need regular maintenance and inspection

Silt fence not trenched in



Poorly Installed Silt Fences Allow Material to Pass Through



Fence installed properly
but obviously not enough
of it

6. 20. 2003

Sometimes not appropriate



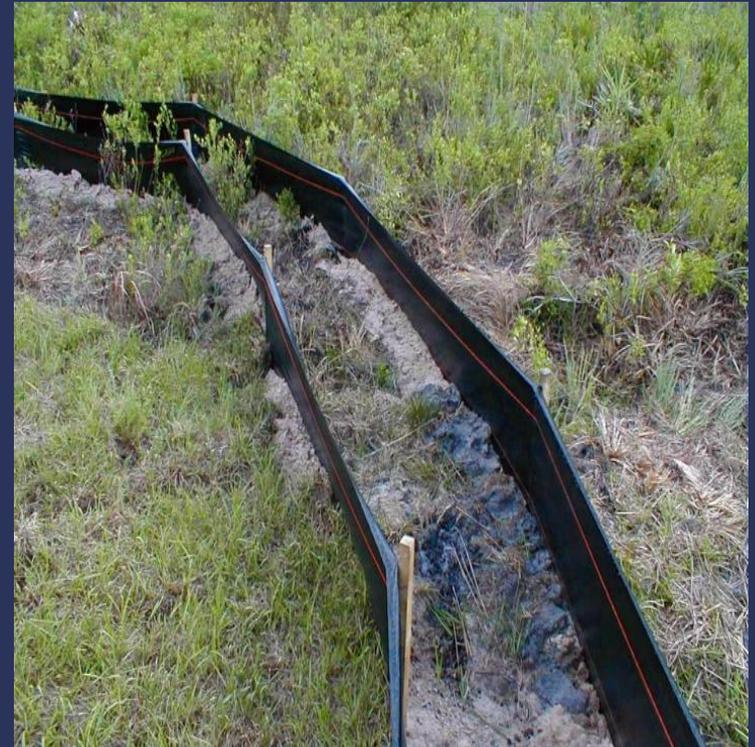
Safety fencing is not a substitute for silt fencing.



Proper installation is essential for effectiveness

Double silt fences

Wire-backed





Siltshield



Belted Silt
Retention
Fence (BSRF)

Dewatering –
use wellpoint or
use Bags



03/19/2007 10:58

Turbidity Curtains – a last ditch measure only



Hay Bales – not the best





Generally not the most effective...

...though efficiency can be improved with some alteration





Cones do not prevent runoff !



**Neither do
barricades!!**

Street Sweeping and site entrance bmps





**Track out can result
in sediment
discharge**

10.8.2002 09:09

Stabilization of roads, sweeping, gravel driveways, and wheel washes are some of the ways to minimize track-out



SWPPP/Erosion Control Plan

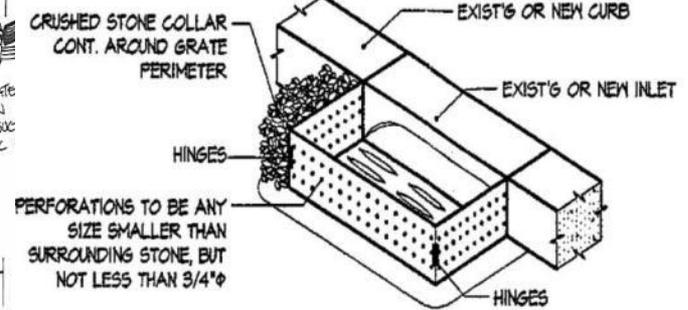
Any permitted construction site ≥ 1 acre should have one!

Click the back button or the Left Arrow on your Browser to return to the site.

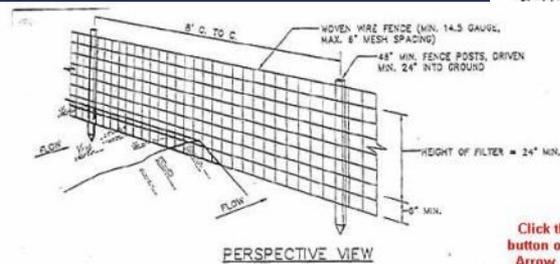


Please use your browser's 'Back' button or press 'Alt - Left Arrow' to return to the site.

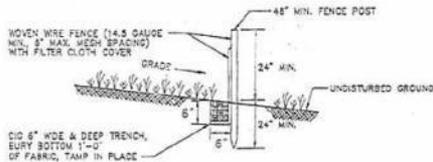
PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC



1 SILT TRAP AT B-INLET
SP-6 SCALE: 3/4" = 1'-0"



PERSPECTIVE VIEW



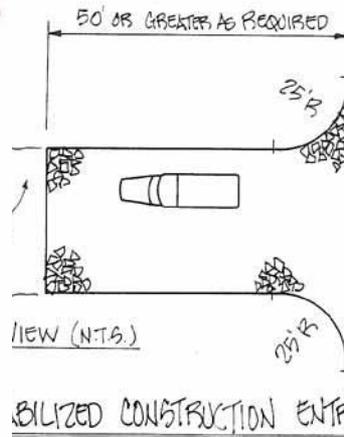
SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

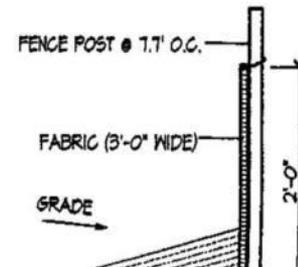
- | | |
|---|---|
| 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. | POSTS: STEEL, EITHER T OR U TYPE OR 2\"/> |
| 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/> | FENCE: WOVEN WIRE, 14.5 GA., 6\"/> |
| 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. | FILTER CLOTH: MANUFACTURED BY MIRAF, EXXON CHEMICAL CO. OR APPROVED EQUAL |
| 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. | PREFABRICATED UNIT: GEOPAB, ENVIROFENCE OR APPROVED EQUAL |

REIN FORCED SILT FENCE

NCT TO SCALE



1 Entrance 4, 15, 2



...And Finally

- Get address
- Contractor information
- Basic idea of discharge or BMP violation
- Call Public Works

