

O&M Staff Training Module 8: Maintenance Best Practices for Water Quality Protection Rail Operations



City of Tacoma Environmental Services
2018

**How do you select the
right BMP for the job?**

Many of your work activities require BMPs

- On-grade crossing repairs
- Ditch maintenance
- Culvert cleaning

Basic BMPs to use on every activity:

Suggested BMP Strategies	Recommended BMPs
Protect waterways	Cover stockpiles. Berm around work area, plug culverts when working, etc.
Good Housekeeping	Sweep area when job is complete.
Spill Prevention	Keep Spill Kit on site and clean up spills immediately

When repairing on-grade crossings:

Key steps to remember

1. Install BMPs to **protect any nearby catch basins/storm drain** inlets and adjacent watercourses before starting work.
 - CB sock
 - Inlet Cover Mat
 - Coir Logs
2. Install pavement, avoiding contact with stormwater.
3. **Sweep up excess materials** and dispose of properly.
4. **Remove BMPs.**



Note: Clean trucks, equipment, tools in designated equipment washing facility where wash water will not drain to storm system.

When regrading ditches:

Key steps to remember

1. Install BMPs to protect any catch basins/storm drain inlets in the ditch line.
 - CB sock
 - Inlet Cover Mat
 - Coir Logs
2. Regrade ditch line and reshape track bed.
3. Remove BMPs.



When cleaning culverts:

Key steps to remember

1. Plug downstream end of pipe/culvert to contain cleaning waste.
2. Use an eductor truck to jet and suck out the culvert or dig out dirt and debris.
3. Remove plug.



Field Assistance

Need some help with your BMPs?

Call any time:

502-2222



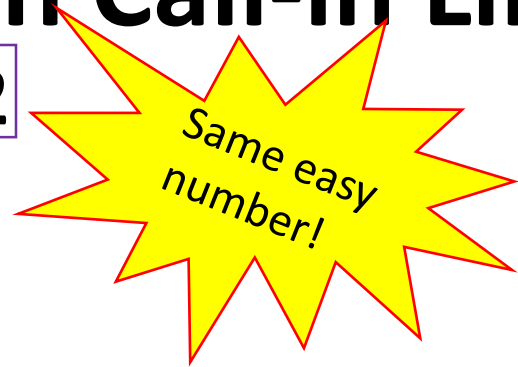
Environmental Services Department - Environmental Compliance Team

Available 24/7

**What to watch for in the
field...**

City Staff Water Pollution Call-in Line

(253) 502-2222



Please call if you notice:

- Muddy construction site track-out or runoff
- Accidental spills or illegal dumping
- Car washing, power washing with soapy water
- People hosing or washing away oil, paint, or other garbage into the street or down the storm drain
- Oily sheen or colored liquid
- Chemical or sewage smell
- Sudsy foam
- Garbage accumulation in or around catch basins
- Liquid seeping from garbage dumpsters
- Hoses connected to catch basins
- What else have you seen?



You are our eyes in the field...

Review Questions

Question #1

Which of these BMPs should be used on every job?

- a) Silt fence
- b) Good housekeeping – sweeping up excess material
- c) Inlet protection
- d) Spill Kit

Question #2

When repairing pavement at a rail crossing, what is the last step to remember for your BMPs?

- a) Install BMPs to protect nearby storm drain and inlets
- b) Contain and sweep up excess materials
- c) Remove storm drain or inlet protection

Question #3

Call the Staff Water Pollution Call-in Line (253-502-2222), if you see which of the following:

- a) Muddy runoff
- b) Oily sheen or sudsy foam
- c) Car accident
- d) Garbage accumulation or liquid seeping from garbage dumpsters

Quiz Answers

- Question #1: b)
- Question #2: c)
- Question #3: a), b) and d)