



**OBJECTIVES**

- New Development
- Residential
- Commercial Activities
- Industrial Activities
- Municipal Facilities
- Illegal Discharges



**WEBER COUNTY**

**ENGINEERING DEPARTMENT**

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**DESCRIPTION:**

Prevent or reduce the discharge of pollutants to stormwater from contaminated or erodible surface areas by leaving as much vegetation on-site as possible, minimizing soil exposure time, stabilizing exposed soils, and preventing stormwater runoff and runoff.

**APPROACH:**

This BMP addresses soils which are not so contaminated as to exceed criteria but the soil is eroding and carrying pollutants off in the stormwater.

Contaminated or erodible surface areas can be controlled by:

- ▶ Preservation of natural vegetation,
- ▶ Re-vegetation,
- ▶ Chemical stabilization,
- ▶ Removal of contaminated soils, or
- ▶ Geosynthetics.

**LIMITATIONS:**

Disadvantages of preserving natural vegetation or re-vegetating include:

- ▶ Requires substantial planning to preserve and maintain the existing vegetation.
- ▶ May not be cost-effective with high land costs.
- ▶ Lack of rainfall and/or poor soils may limit the success of re-vegetated areas.

Disadvantages of chemical stabilization include:

- ▶ Creation of impervious surfaces.
- ▶ May cause harmful effects on water quality.
- ▶ Is usually more expensive than vegetative cover.

**MAINTENANCE:**

- ▶ Maintenance should be minimal, except if irrigation of vegetation is necessary.

**TARGETED POLLUTANTS**

- Sediment
- Nutrients
- Heavy Metals
- Toxic Materials
- Oxygen Demanding Substance
- Oil & Grease
- Floatable Materials
- Bacteria & Viruses
- High Impact
- Medium Impact
- Low or Unknown Impact

**IMPLEMENTATION REQUIREMENTS**

- Capital Costs
- O&M Costs
- Regulatory
- Training
- Staffing
- Administrative
- High
- Medium
- Low