MDEQ TRAINING – Kalispell, Big Sky, and Billings

BMP 101: Storm Water Management during Construction
Kalispell, MT
April 26, 2016

BMP 101: Storm Water Management during Construction
Big Sky, MT
May 9, 2016

BMP 201: SWPPP Administrator
Kalispell, MT
April 27 & 28, 2016

BMP 201: SWPPP Administrator
Big Sky, MT
May 10-11, 2016

SWPPP Administrator Recertification
Kalispell, MT
April 29, 2016

BMP 202: SWPPP Preparer
Billings, MT
May 12, 2016

MDEQ TRAINING – BUTTE

BMP 201(R): SWPPP Administrator Recertification
Butte, MT
May 23, 2016

BMP 201: SWPPP Administrator
Butte, MT
May 25 & 26, 2016

BMP 101: Storm Water Management during Construction
Butte, MT
May 24, 2016

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Field Activities: inlet protectors

Butte–Silver Bow County, MT
Municipal Code

12.04.105(A) Excavation and repair public roadways within 15 days – inspection or repair by City-County

15 days

CONSEQUENCES
When BMPs aren't used:

–Wear and tear (scour) on pipes
–Contribute sediment to creek
–Create work for other people
–Regulatory implications
–Ponds AREN'T a cure–all for capture.

Fines!! By BSB & DEQ

BMP purchase information local and regional

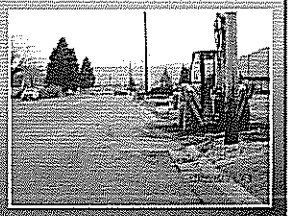
Call Jonathan

BMP – Tracking

Options
- Street sweeping
- Track pads
- Graveled parking area
- Wash racks

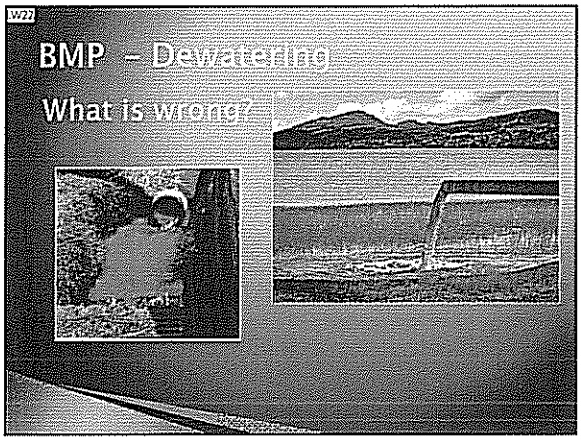
BMP – Tracking

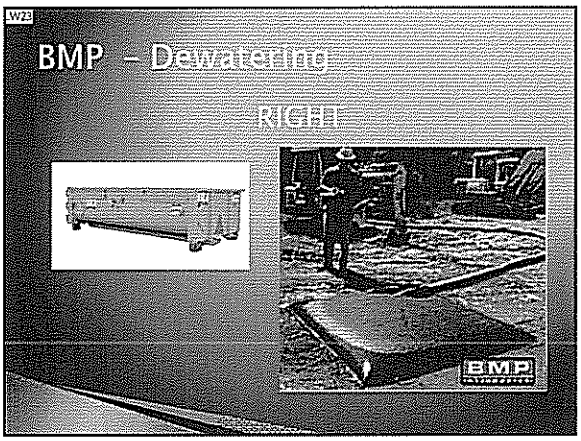
What is wrong?

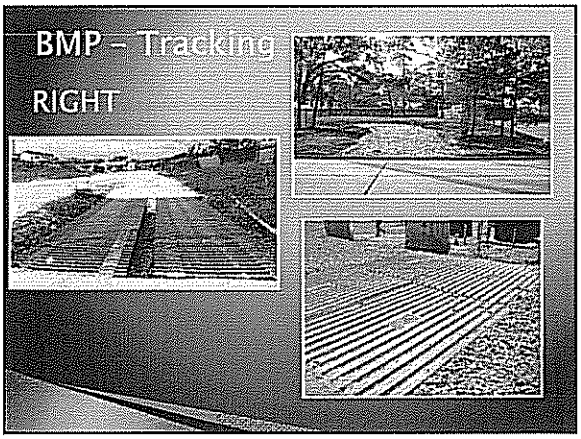


BMP – Tracking

What is wrong?


W22
BMP – Dewatering
What is wrong?


W23
BMP – Dewatering
RIGHT
BMP


BMP – Tracking
RIGHT

BMP – Spill Prevention and Control

- Are containers labeled?
- Are spills and leaks being documented?

NOTE: 25 gallons or petroleum products must be reported to NRC.

BMP – Dewatering

1) Pump water out of the excavation and land apply (sprinkle) on nearby fields;
2) Pump water out of the excavation to a low-lying area or other area away from surface water/dry drainages;
3) Excavate a small pit/pond and pump water into it and allow water to [illegible] or
4) Utilize a tank/vacuum truck to contain water and haul to an approved area for [illegible]

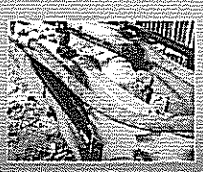
Most dewatering activities should be permitted.

BMP – Dewatering

AVOID IF AT ALL POSSIBLE!

BMP – Spill Prevention and Control

Is there potential for leaks, spills, and other releases?



Are you ready in the event of a fuel or oil spill?

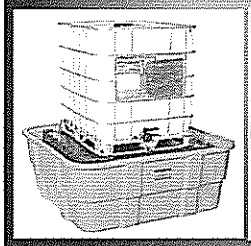
BMP – Spill Prevention and Control

Is a spill kit accessible?

Spill Kit = Cheap insurance

BMP – Secondary Containment

RIGHT

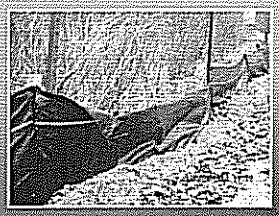


What is wrong?

BMP – Silt Fencing

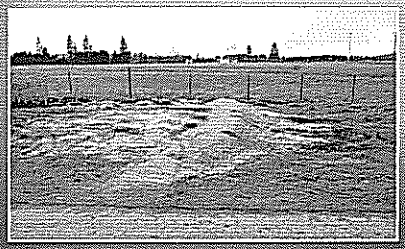
RIGHT

What is wrong?



BMP – Earthen Berm

RIGHT



BMP – Erosion Control Blanket

RIGHT

What is wrong?

Slide 7

LW13 perhaps talking about MT's problem pollutants, why they are a problem, structural vs non structural, and add maintenance and adequate-audience participation
Laura Watson, 3/17/2016

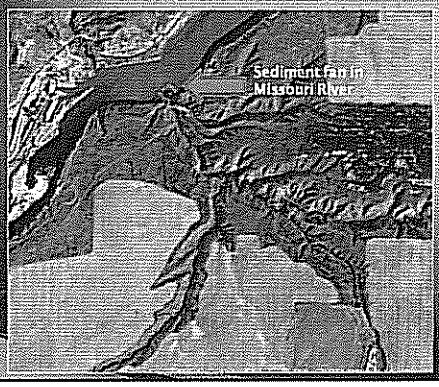
Slide 8

LW14 perhaps talking about MT's problem pollutants, why they are a problem, structural vs non structural, and add maintenance and adequate-audience participation
Laura Watson, 3/17/2016

Butte = CHALLENGING!

- ✓ Highly erosive soil (decomposed granite sand)
- ✓ Steep slopes
- ✓ Unvegetated lots and alleys
- ✓ Headwaters of watershed
- ✓ Small receiving waters = large impact from urban activities

Goal of storm water program is to reduce pollutants and sediments to state waterways.



Goal of storm water program is to reduce pollutants and sediments to state waterways.

Buffalo Gulch
Outfall after rain event in 2014