

# June 2014

## Agriculture



**Agricultural non-point source pollution** can be caused by many farming practices such as plowing too much, by allowing animals too much time in pastures, or applying too much fertilizer.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

### BEST MANAGEMENT PRACTICES

- Develop and follow a Manure Management Manual or Nutrient Management Plan
- Plant Cover Crops
- Plant shrubs and trees along streams
- Fence livestock out of waterways
- Use No-Till practices
- Keep clean water clean



**QUESTION OF THE MONTH:** What is one local agency a farmer can contact to receive help in establishing Agricultural Best Management Practices?



Road salts, such as those pictured at the top right, make their way into nearby waterways via runoff from snowmelt or rain. In the picture above, these storm sewers transport water from Westminster Campus roadways' and outlet the runoff into McClure Run. During the winter, road salt applied throughout the college can easily make its way into McClure Run. An increase in salt within the ecosystem can negatively affect the balance of water quality and in return, cause stress on the local plants and aquatic animals.



One way to help prevent or limit non-point source pollution from cars and trucks is to use a commercial car wash that treats or recycles its wastewater. If you prefer to wash your own car, wash your car on your yard so the water soaks into the ground rather than directly into a waterbody.



# July 2014

## Motorized Vehicles

Cars and trucks can cause non-point source pollution from oil and grease, various auto parts, road salt, and detergent.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

**QUESTION OF THE MONTH:** What is a best management practice you can do to lessen the environmental impact your car will have on the Shenango River Watershed?

### Motorized Vehicle NPS Pollution



Air pollution, such as that emitted from cars and trucks, is another form of non-point source pollution. Air pollution can spread across the landscape a great distance before precipitating out of the air as rain or snow.





YOUR BACKYARD....



NESHANNOCK CREEK



Not only does illegal dumping hurt the environment, but it can also hurt the local economy, and cause safety issues.





# August 2014

## Illegal Dumping

**Illegal Dumping** is the disposal of waste (TRASH) in an unpermitted area. Unlike litter, illegal dumping is intentional.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### QUESTION OF THE MONTH:

Are there any permitted waste disposal facilities in Lawrence County?



**Recycling/Solid Waste  
Department**

### Hard to Recycle Items

- Tires
- Mattresses
- Paint Cans
- Car Parts
- Carpet
- Furniture
- TVs
- Yard Waste
- Electronics

The Lawrence-Mercer Recycling/ Solid Waste Department hosts various events throughout the year, giving residents opportunities to dispose of their hard to recycle items.

To learn more about your local Recycling Department, visit their website at:  
<http://www.co.lawrence.pa.us/recycling/Index.html>

If you have questions on how to dispose of a particular item, please contact the recycling department at 724-658-6925.



# ***Erosion and Sedimentation***

## **NON-POINT SOURCE POLLUTION**



**Marcellus Shale Development**

Creating Marcellus Shale natural gas wells involves major earth moving. Roads, drilling pads, and pipelines must be put in, which can all speed erosion. Drilling pads may range in size from three to four acres for the deeper Marcellus Shale natural gas wells. This is a larger portion of disturbed earth than more conventional shallow natural gas well pads.

Regulations, used through DEP and the Pennsylvania County Conservation Districts, are in place to protect water quality from earth moving activities.

Source for September: <http://www.pahouse.com/gibbons/marcellus-docs/drilling-regulations.asp>



**BEST MANAGEMENT PRACTICE  
USED TO HELP DECREASE  
EROSION FROM DEVELOPMENT**



**Oil Development**