

# Initiating your MS4 Outreach Requirements

Tomi Bergstrom

Nicki Taylor

WV DEP, Basin Coordinators



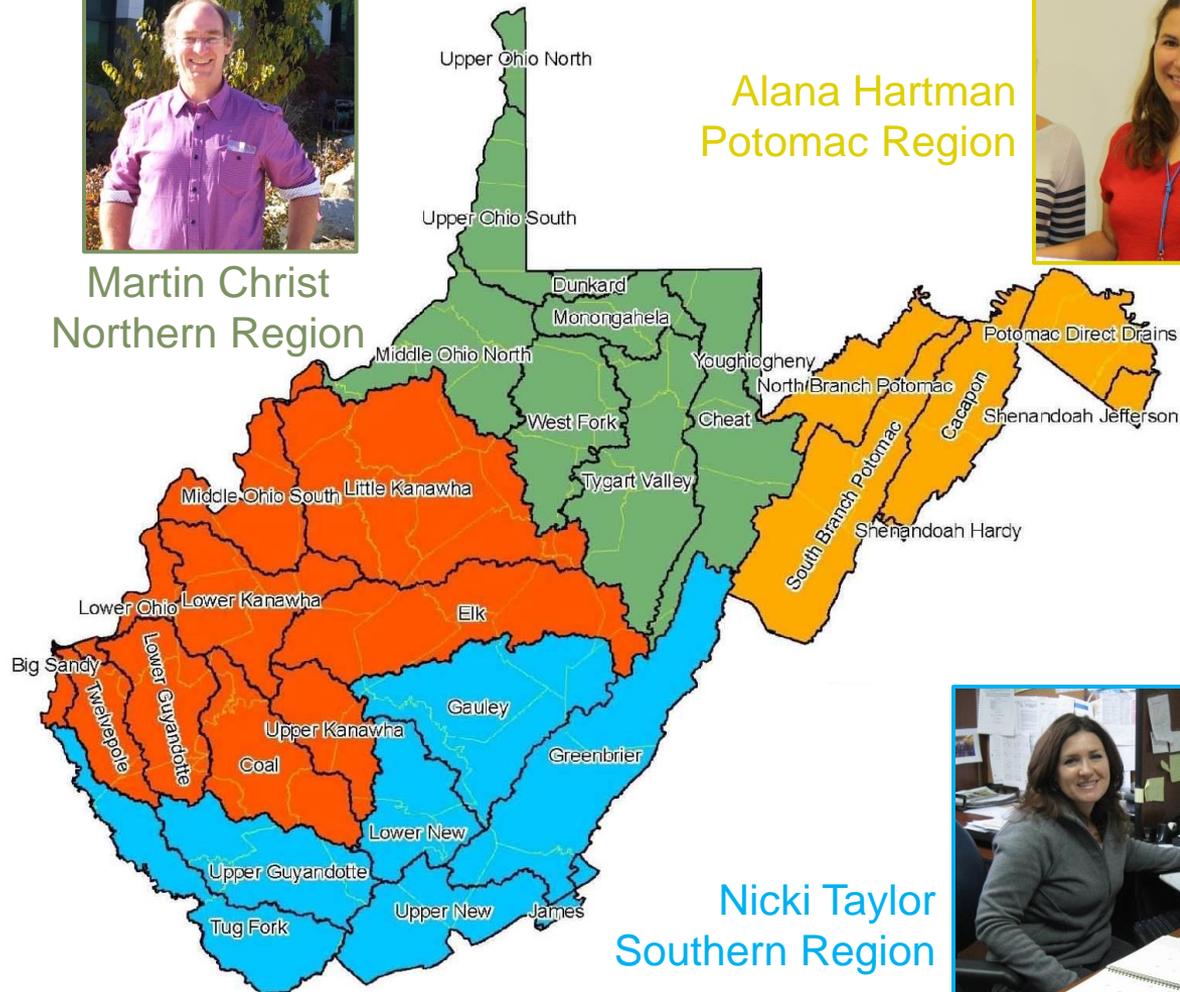
# West Virginia Stream Partners and Nonpoint Source Program Regional Divisions



Martin Christ  
Northern Region



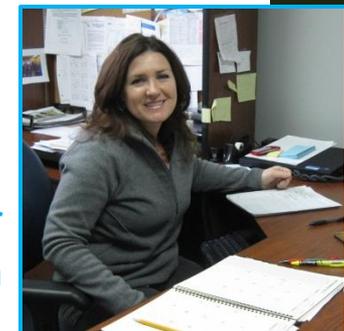
Alana Hartman  
Potomac Region



Nicki Taylor  
Southern Region



Tomi Bergstrom  
Western Region



# What's the Big Issue with Stormwater?



# MS4 Permit:

## Public Education and Outreach

1. The SWMP shall include an education program aimed at residents, businesses, industries, elected officials, policy makers, planning staff and other employees of the permittee. **The goal of the education program is to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts.** An education program may be developed locally or regionally.
2. The SWMP shall include ongoing opportunities for public involvement through advisory councils, watershed associations and/or committees, participation in developing rate structures, stewardship programs, environmental activities or other similar activities. **The permittee shall facilitate opportunities for direct action, educational, and volunteer programs** such as riparian planting, volunteer monitoring programs, storm drain marking or stream cleanup programs. Each permittee shall comply with any applicable State and local public notice requirements when developing their SWMP.

# How to Outreach to your Community

- Educational Newsletter, Flyers
- Rain Barrel Workshops
- Rain Gardens
- Stream Clean-Ups
- Project Water Education for Teachers (WET)
- Enviroscape Model

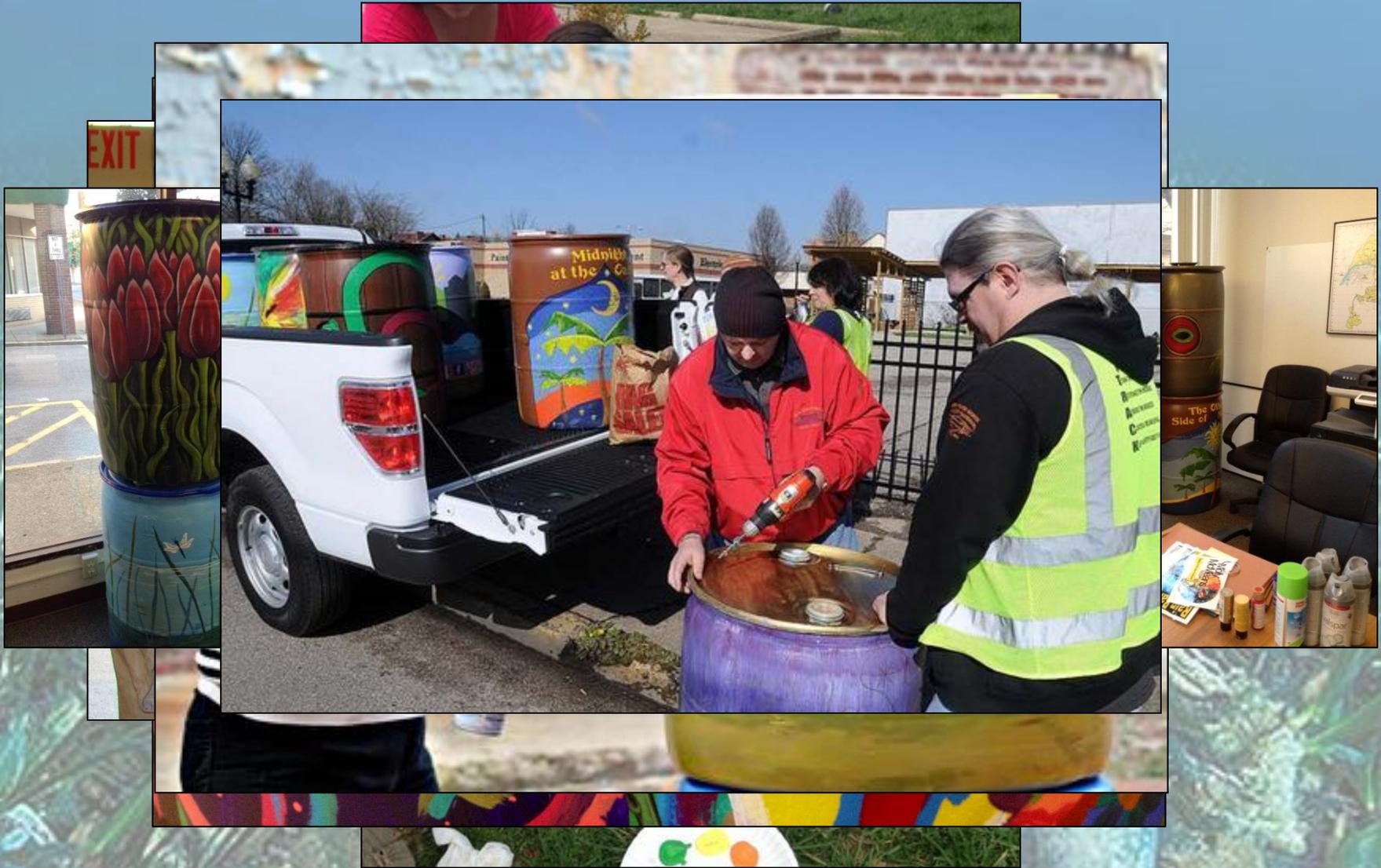


# Rain Barrel Workshops

- City of Charleston Partnership
- Displayed Barrels painted by local artists
- Hosted 4 Workshops
- Ruffled off at FestivALL



# Displayed Barrels Painted by Local Artists/Schools



**What is a rain barrel?** A barrel or basin used to catch water flowing from your gutters.

### How does it work?

A rain barrel is placed near a roof downspout outlet. The barrel is then connected to the downspout and runoff is diverted into the rain barrel. From a spigot on the bottom of the barrel, water is fed into your hose or watering can.

### Is it easy to maintain?

Yes!

Rain barrels are virtually maintenance free.

- Elevate barrel to allow access to spigot.
- Keep a fine piece of mesh secured around the opening so mosquitos will not breed.
- One tablespoon of Olive Oil will keep mosquitos from breeding as well.



### Why? Stormwater & Charleston & YOU !!

- Many of our city homes & businesses have combined sewer & storm drains. Disconnecting gutters tied to our sanitary system reduces back flow during storms.
- Harvesting rainwater can improve the health of your garden, lawn and trees. Rainwater is naturally "soft" and devoid of minerals, chlorine and chemicals found in city water.
- Rain barrel use is a BMP (Best Management Practice) recommended by the WVDEP & The City of Charleston.

# Rain Barrels



# REDUCE STORMWATER RUNOFF!

**Where do I get one?** Throughout the spring of 2013, the WVDEP and The City of Charleston will be offering Rain Barrel Workshops. To register contact Tomi Bergstrom at the WV DEP:  
304-926-0499  
ext. 1098



## Your Turn...

paint a rain barrel & post a picture on our Facebook page at:  
[www.facebook.com/charlestonstormwater](http://www.facebook.com/charlestonstormwater)

WVDEP & Charleston's Stormwater Dept. present...

## Rain Barrel Workshops

April 21, 2013	East End Bazaar	3:00-5:00
May 1, 2013	Cato Park	5:30-7:30
May 19, 2013	Capitol Market	3:00-5:00
May 29, 2013	Kanawha City Elementary	5:30-7:30

To register e-mail [tomi.m.bergstrom@wv.gov](mailto:tomi.m.bergstrom@wv.gov) or call 304-926-0499 ext. 1098.

Cost is \$40.00 per person and registration is limited to 25 people.



# Held 4 Rain Barrel Workshops



## Attendees Learned:

1. About stormwater issues in Charleston.
2. The definition of a CSO.
3. How to safely install a rain barrel.
4. How to paint their rain barrel.



# Raffled off at FestivALL



## Rain Barrel Exhibit and Raffle

June 29th (10-6pm) – June 30th (11-5pm) on Capitol Street

14 barrels raffled off!  
Support your local artists and learn about stormwater education!

Visit our exhibit right next to the Children's Art Fair!

One barrel will be available for children to paint during the event!

You've seen them around town, now come see them all together for **one final exhibition!**

Rain Barrel and Stormwater information and demos available!





***West Virginia Project WET workshops are free.***

Project WET staff will work with formal and nonformal educators in public and private schools and universities, preschool or day care workers, Boy Scouts, Girl Scouts and 4-H leaders, cities, local resource organizations, or individuals to plan and conduct a workshop when and where is most convenient for you.

***Contact Information:***

**Kimberly Maxwell,**  
Project WET Program Coordinator  
254 Industrial Dr, Oak Hill, WV 25901  
(304) 465-1911 ext 3191  
[kimberly.a.maxwell@wv.gov](mailto:kimberly.a.maxwell@wv.gov)

**Worldwide Water Education**

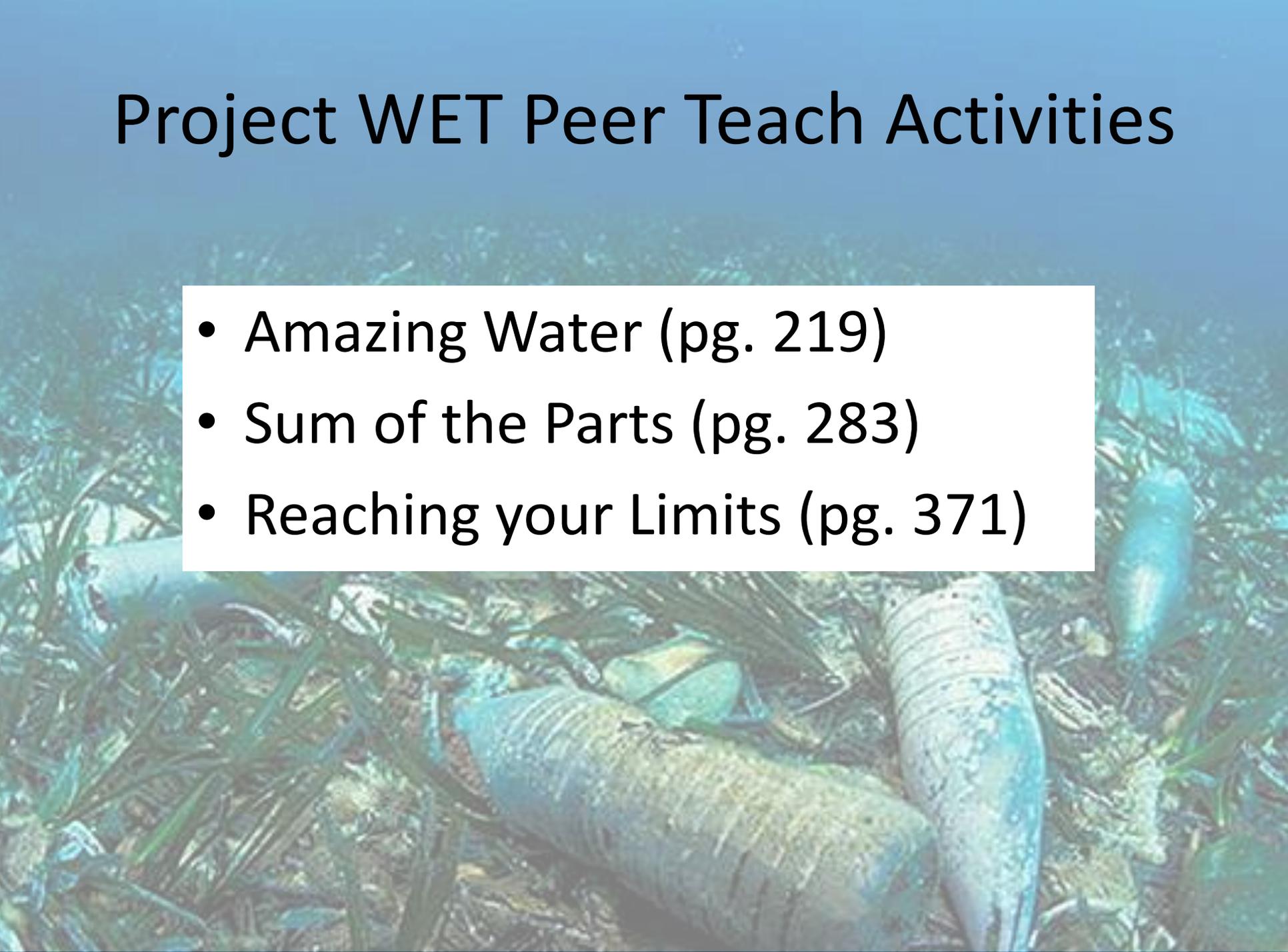
**Educate. Empower. Act.** The mission of Project WET is to reach children, parents, educators and communities of the world with water education. We invite you to join us in educating children about the most precious resource on the planet — water.

An aerial photograph of a stormwater relay race. The race is taking place on a large, rectangular area of land covered with dense, green grass. The race course is marked by several large, cylindrical objects, likely tires or logs, arranged in a grid pattern. A person is visible in the center of the course, wearing a white shirt and a white cap, standing near one of the cylindrical markers. The overall scene is bright and clear, suggesting a sunny day.

# Stormwater Relay Race!

# Project WET Peer Teach Activities

- Amazing Water (pg. 219)
- Sum of the Parts (pg. 283)
- Reaching your Limits (pg. 371)



# How Stormwater Outreach Relates to MS4 Requirements

**Polluted stormwater runoff** is commonly transported through Municipal Separate Storm Sewer Systems (MS4s), from which it is often discharged untreated into local waterbodies. To **prevent** harmful pollutants from being washed or dumped into an MS4, operators must obtain a NPDES permit and develop a stormwater management program.

**Thanks for Participating!**



**Any Questions?**

Please contact us if you have additional questions:



Northern - Martin Christ [martin.j.christ@wv.gov](mailto:martin.j.christ@wv.gov) 304-368-3960 ext. 3736

Potomac - Alana Hartman [alana.c.hartman@wv.gov](mailto:alana.c.hartman@wv.gov) 304-822-7266 ext. 3623

Southern - Nicki Taylor [nicki.m.taylor@wv.gov](mailto:nicki.m.taylor@wv.gov) 304-465-1938 ext. 3151

Western - Tomi Bergstrom [tomi.m.bergstrom@wv.gov](mailto:tomi.m.bergstrom@wv.gov) 304-926-0499 ext. 1098

Thanks For Your Time!

