



## Northampton County Conservation District

### Continuing Education Workshop:

# “The Dirt on Soils”

**Date:** Thursday, October 18, 2012

**Time:** 8:00AM – 4:00PM

**Location:** Lower Mount Bethel Welcome Center, Martins Creek, PA

**Capacity:** 20 Teachers (most appropriate for middle & high school teachers)

**Registration Deadline:** September 27, 2012

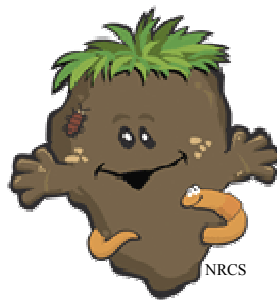
**Morning Refreshments and  
Lunch will be provided courtesy  
of PPL!**



**Includes field  
study and geology  
field trip**

***A total of six (6) Act 48 Professional Development Activity Hours  
will be received upon completion of the course.***

*(See back for more details)*



*“The soil is the great connector of lives, the source and destination of all. It is the healer and restorer and resurrector, by which disease passes into health, age into youth, death into life. Without proper care for it we can have no community, because without proper care for it we can have no life.”*

- Wendell Berry

# “The Dirt on Soils”

The workshop will include instruction, field experience, and activities conducted by:

- USDA Natural Resource Conservation Service (NRCS),
- US Army Corps of Engineers (ACoE), and
- Northampton County Conservation District (NCCD).

The objective of the workshop is to provide educators with an introduction/review to the terminology, characteristics, and processes used to define soils as well as their interrelationships, and how soils function as a dynamic system. The workshop will also provide an overview of soil resources in Northampton County through field experiences as well as with application of the NRCS Web-Soil survey and various activities, which may be replicated in the classroom. We will also be taking a tour of a local quarry and travel to some local rock outcrops and exposures to discuss geological characteristics and their effect on local watersheds.

Financial and other support for this project is provided by the Pennsylvania Association of Conservation Districts, Inc. through a grant from the Pennsylvania Department of Environmental Protection under Section 319 of the Clean Water Act, administered by the U.S. Environmental Protection Agency.

## Workshop topics:

**Come prepared to hike and learn**



- Basic Soil Properties;
- Soil Texture and Color;
- Soil Parent Materials & Lehigh Valley Geology;
- Soil Formation and Classification;
- Soil Erosion & NPS Pollution
- Wetlands and Hydric Soils;
- Web Soil Survey



**Call or email *Sharon Pletchan* at the NCCD with questions  
(610) 746-1971 / [northamptoncd@northamptoncd.org](mailto:northamptoncd@northamptoncd.org)**

**Registration and a \$10 fee are required for the workshop. Please complete the attached form to register.**

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Please complete the form below and detach, include \$10 (cash/check), and mail the fee and registration form to Northampton County Conservation District, 14 Gracedale Avenue, Greystone Building, Nazareth, PA 18064-9211. Please make checks payable to: Northampton County Conservation District (NCCD). Upon receipt of your registration, a workshop packet will be sent to you with directions and additional details.

**Registration Deadline is September 27, 2012**

Name: \_\_\_\_\_

Organization/School: \_\_\_\_\_

Grade Level: \_\_\_\_\_

Are you a certified teacher with PA Department of Education? Circle one YES NO

Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip code: \_\_\_\_\_ Phone: \_\_\_\_\_

Email \_\_\_\_\_

Please indicate if an alternative lunch option is required and we will try to accommodate (i.e. vegetarian, gluten-free, etc.):

\_\_\_\_\_