



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Water Management



Pennsylvania BMP Tracking and Reporting

Update for the Water Quality Goal
Implementation Team (GIT 3)

July 19, 2012

Pennsylvania's Challenge

- Over 14.4 Million Acres of Watershed Area
(35% of total)
- 43 Counties
- Over 1,200 municipalities including Cities, Boroughs, Townships, and one “Town”
- Over 40,000 Agricultural Operations within the Bay Watershed

Source Data Programs

- Approximately 85% of Pennsylvania's BMPs are Reported from Federal Sources:
 - FSA CRP/CREP Programs
 - USDA RDP/NASS Programs
 - NFWF Project Activities
 - NRCS General Activities & Grassroots Program

Source Data Programs Cont.

- State Conservation Programs and State-Administered Federal Programs Generate BMPs for Reporting Including:
 - DEP:
 - Stream Bank Fencing Program
 - Chesapeake Bay Implementation Grants
 - Section 319 Non-Point Source Program
 - Abandoned Mine Reclamation
 - Nutrient Trading Program
 - Storm Water Management
 - Waterways Engineering

Source Data Programs Cont.

- Other State Programs
 - Growing Greener Grant Program
 - DCNR Forest Stewardship and Harvest Programs
 - Act 6 Nutrient Management Program
 - Stream Releaf Program
 - Fish and Boat Commission
 - Game Commission Forestry/Harvest BMPs
 - PennVest Project Funding
 - State Cons. Comm. REAP and Dirt and Gravel Road Programs

Local Programs

- Lancaster Conservancy
- City of Lancaster – Green Development Projects
- Street Sweeping (developing)
- Other Watershed Initiative Projects, commonly reported through existing grant programs

Field Implementation

- Natural Resources Conservation Service County District Offices continue to be the primary “in the field” source for BMP data entry and project reporting.
- State Program Staff oversee implementation and reporting of other state-funded efforts

Synthesis

- Data collected by DEP Program Staff and Dr. Barry Evans from internal databases and submitted excel files using our “Sneaker Network”
- Record files submitted and entered into a central database by DEP IT staff and uploaded to NEIEN
- NPS records also entered into a central spreadsheet with data source and record information for tracking and comparison

NPS Database

BMP Name	State	Measurement Name	Summarized Measure Value	Unit Totals	Unit Name	Conversion Status Code	Appendix Status	Procedure Name
Access Control	PA	Acre	75022.2	75022.2	ACRE	SUCCESS	Release	WBS
Animal Mortality Facility	PA	Number	11	11	COUNT	SUCCESS	Release	AnimalUnits
Animal Trails and Walkways	PA	Feet	392877.3	392877.3	FEET	SUCCESS	Release	WBS
Animal Waste Management Systems (All Types)	PA	Systems	96	96	COUNT	SUCCESS	Release	WBS
Barnyard Runoff Controls	PA	Systems	14	14	COUNT	SUCCESS	Release	WBS
Bioswale	PA	Area Treated	310.52	310.52	ACRE	SUCCESS	Release	WBS
Brush Management	PA	Acre	10461.6	10461.6	ACRE	SUCCESS	Release	WBS
Composting Facility	PA	Number	5	5	COUNT	SUCCESS	Release	AnimalUnits
Conservation Cover	PA	Acre	101809.22	101809.22	ACRE	SUCCESS	Release	WBS
Conservation Crop Rotation	PA	Acre	121789.1	121789.1	ACRE	SUCCESS	Release	WBS
Conservation Tillage	PA	Percent Available Land	2033.41	2033.41	NA	SUCCESS	Release	WBS
Contour Buffer Strips	PA	Acre	510.4	510.4	ACRE	SUCCESS	Release	WBS
Contour Farming	PA	Acre	63686.4	63686.4	ACRE	SUCCESS	Release	WBS
Contour Orchard and Other Fruit Area	PA	Acre	473.6	473.6	ACRE	SUCCESS	Release	WBS
Cover Crops - Wheat	PA	Area	168053.51	168053.51	ACRE	SUCCESS	Release	WBS
CREP Riparian Forest Buffer	PA	Area Planted	14306.94	13019.14	ACRE	SUCCESS	Release	LXW
CREP Wetland Restoration	PA	ACRES	147.36	147.36	ACRE	SUCCESS	Release	WBS
CREP Wildlife Habitat	PA	ACRES	1643.67	1643.67	ACRE	SUCCESS	Release	WBS
Critical Area Planting	PA	Acre	1008.2	1008.2	ACRE	SUCCESS	Release	WBS
D&G Road - Surface Aggregate and Rasied Roadbed	PA	Length	299258.7	299258.7	FEET	SUCCESS	Release	WBS
Diversion	PA	Area Treated	216	216	ACRE	SUCCESS	Release	LXW
Diversion	PA	Feet	426155.4	426921.65	FEET	SUCCESS	Release	LXW
Dry Detention Ponds & Hydrodynamic Structures	PA	Area Treated	1278.53	1278.53	ACRE	SUCCESS	Release	WBS
Dry Extended Detention Ponds	PA	Area Treated	349.79	349.79	ACRE	SUCCESS	Release	WBS
Early Successional Habitat Development/Management	PA	Acre	105.2	105.2	ACRE	SUCCESS	Release	WBS
Fencing	PA	ACRES	136.85	136.85	ACRE	SUCCESS	Release	LXW
Fencing	PA	Feet	86749	86749	FEET	SUCCESS	Release	LXW
Field Border	PA	FT	574370.93	574370.9	FEET	SUCCESS	Release	WBS
Filter Strip	PA	Acre	1608.46	1608.46	ACRE	SUCCESS	Release	WBS
Forage Harvest Management	PA	Acre	125011.96	125012	ACRE	SUCCESS	Release	WBS
Forest Harvesting Practices	PA	ACRES	10597	10597	ACRE	SUCCESS	Release	WBS
Forest Stand Improvement	PA	Acre	11361.2	11361.2	ACRE	SUCCESS	Release	WBS
Grassed Waterway	PA	Acre	3912.68	3912.68	ACRE	SUCCESS	Release	WBS
Grazing Land Protection	PA	Area Treated	339.4	339.4	ACRE	SUCCESS	Release	LXW
Heavy Use Area Protection	PA	Acre	968.83	968.83	ACRE	ERROR	Draft	WBS
Hedgerow Planting	PA	Feet	6585	6585	FEET	SUCCESS	Release	WBS
Irrigation System, Microirrigation	PA	Acre	437.7	437.7	ACRE	SUCCESS	Release	WBS
Irrigation Water Management	PA	Acre	1370.7	1370.7	ACRE	SUCCESS	Release	WBS
Land Reclamation, Abandoned Mined Land	PA	ACRES	393.6	393.6	ACRE	SUCCESS	Release	WBS
Land Retirement	PA	Area Retired	83286.65	83286.65	ACRE	SUCCESS	Release	WBS
Lined Waterway or Outlet	PA	Feet	9120.4	9120.4	FEET	SUCCESS	Release	WBS
Manure Transport	PA	broilers	14668.94	14668.94	TONS	SUCCESS	Release	ManureTransport
Manure Transport	PA	County From	2902549	0	NA	SUPPLEMENTAL	Release	ManureTransport
Manure Transport	PA	County To	1231356	0	NA	SUPPLEMENTAL	Release	ManureTransport
Manure Transport	PA	dairy heifers	174666.7	174666.7	TONS	SUCCESS	Release	ManureTransport
Manure Transport	PA	horses	4328	4328	TONS	SUCCESS	Release	ManureTransport
Manure Transport	PA	layers	14259.66	14259.66	TONS	SUCCESS	Release	ManureTransport
Manure Transport	PA	other cattle	1159.33	1159.33	TONS	SUCCESS	Release	ManureTransport
Manure Transport	PA	Poultry	1570	1570	TONS	SUCCESS	Release	ManureTransport

Data Crediting Check

- Review of NEIEN submittal report vs. source data spreadsheet
- Review of the Credited vs. Submitted BMP output

Some Light-Hearted Perspective

The more time you spend in reporting on what you are doing, the less time you have to do it in.

- Stability is achieved when you spend all your time doing nothing but reporting on the nothing you are doing.

The most interesting results happen only once.

The most savage controversies are those about matters as to which there is no good evidence either way.

The nice thing about standards is that there are so many of them to choose from.

The number of people watching you is proportional to the stupidity of your action.

A bureaucrat may see the obscure eventually; the completely apparent takes forever.

source: <http://www.jokebuddha.com/Reporting#ixzz20Q0uL0Co>



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Water Management

Ted Tesler, PG , Technical Lead

(717) 772 – 6521

ThTesler@PA.Gov