





Implementation of Act 162 of 2014

Riparian Buffer or Riparian Forest Buffer Equivalency Demonstration and Offsetting

Water Resources Advisory Committee
August 12, 2015

Agenda

- 1. Overview of Act 162
- 2. Impact and scope of Act 162
- When is equivalency necessary?
- 4. Application Requirements
- 5. Demonstrating buffer equivalence
- 6. When is offsetting required?
- 7. Riparian Buffer or Riparian Forest Buffer Offsetting Policy
- 8. Application Process for Offsetting
- 9. Implementation



What is Act 162 of 2014?

- Introduced as HB 1565
- Amended Pennsylvania Clean Streams Law (CSL)
 - New Section 402(c)
 - NPDES stormwater construction permit applicants may choose either to implement riparian buffers or riparian forest buffers OR to implement equivalent best management practices (BMPs) in certain cases
 - Requires offsetting buffers in certain cases
- Does not eliminate use of riparian buffers as a BMP



Scope of Act 162

- Proposed individual NPDES projects located within 150 feet of certain High Quality or Exceptional Value waters
- Does not apply to, nor change process in 25 Pa.
 Code § 102.14, for non-NPDES permits
 - ESCGP permits for oil and gas activities or
 - ESC permits for road maintenance and timber harvesting
- Does not affect voluntary riparian buffer programs; example CREP



Impacts on NPDES Permitting

- New § 402(c)(1) of CSL provides an alternative to mandatory riparian buffers or riparian forest buffers
- New § 402(c)(2) of CSL provides that when a buffer is not used and if earth disturbance is conducted within 100 feet of a surface water, offsetting is required

Equivalency Demonstration

- New § 402(c)(1)(ii)
- Applicants choosing not to implement the riparian buffer or riparian forest buffer, must make a demonstration that the BMPs that they will implement will be equivalent to the type of buffer required in 102.14(a)(1) and (2)
- Demonstration is both quantitative and qualitative in nature



Offsetting Policy

- New § 402(c)(2) triggered when applicant proceeds under § 402(c)(1)(ii)
- New § 402(c)(2) requires offsetting if a riparian buffer is not used as BMP and earth disturbance will occur within 100 feet of surface waters
- See Riparian Buffer or Riparian Forest Buffer Offsetting(Technical Guidance Document #310-2135-003)

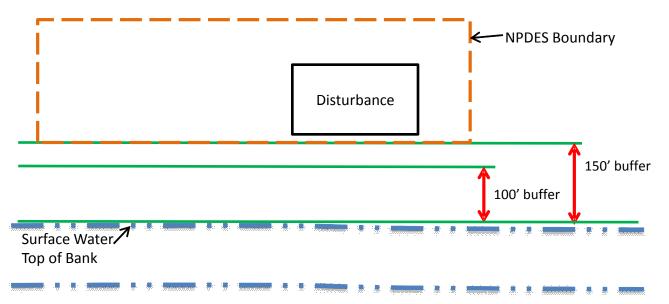
Coordination of Policies

- Policy documents are independent but related
 - Riparian Buffer or Riparian Forest Buffer
 Equivalency Demonstration (310-2135-002)
 - Riparian Buffer or Riparian Forest Buffer
 Offsetting (310-2135-003)
- Equivalency may be required when offsetting is not
- Offsets apply to any earth disturbance activities managed per 402(c)(1)(ii) within 100' of surface waters

Applicability – Figure 1

Figure 1. Neither equivalency demonstration nor offsetting required

- The project involves one acre or more of earth disturbance and requires an NPDES stormwater construction permit.
- All earth disturbance activities are outside the buffer area.

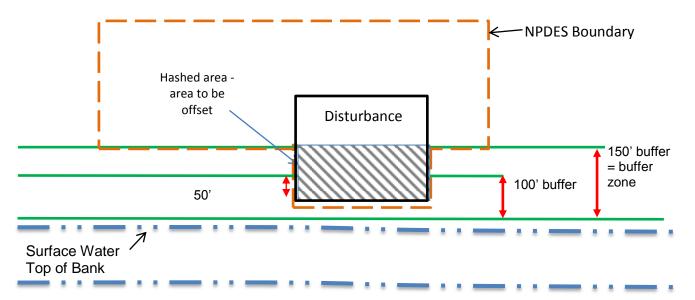




Applicability- Figure 2

Figure 2. Both equivalency demonstration and offsetting required

- The project involves a one acre or more of earth disturbance and requires an NPDES stormwater construction permit.
- Earth disturbance activities extend 50 feet into the 100 feet buffer area.
- Per Section 402(c)(2) of Act 162, offsetting is required and the replacement buffer is to be installed at a ratio of 1 to 1, with the minimum replacement buffer width being 100 feet.

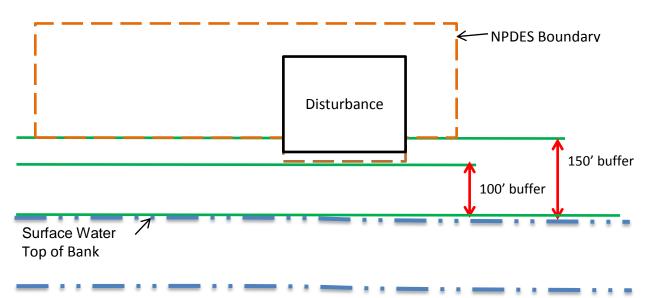




Applicability- Figure 3

Figure 3. Equivalency demonstration required but offsetting not required

- The project involves one acre or more of earth disturbance and requires an NPDES stormwater construction permit.
- All earth disturbance activities are between 100 feet and 150 feet from the surface waters.



Application Requirements

- Pre-application meeting
- Complete & Technically Adequate Application
- Demonstration of Equivalency
 - Inclusion of worksheets 12,13,14,15
- Narrative on Buffer Function

Demonstration of Equivalency

- Step 1- <u>Estimate pollutant load</u> from disturbed areas of the site using Worksheet 12.
- Step 2- <u>Calculate the pollutant load reductions</u> for the site area with the proposed structural BMPs using Worksheet 13.
- Step 3- Estimate the increased pollutant load for the disturbed area within the riparian buffer or riparian forest buffer using Worksheet 14.

Demonstration (cont.)

- Step 4- <u>Calculate the pollutant load</u> <u>reductions</u> with the proposed structural BMPs using Worksheet 15.
- Step 5- <u>Complete the narrative</u> to show that BMPs used in the equivalency demonstration will be functionally equivalent to those of a riparian buffer or riparian forest buffer.

Demonstration

| | Riparian Buffer | Riparian Forest Buffer |
|---|-----------------|------------------------|
| Filtration of pollutants in runoff | | |
| Infiltration and maintenance of streamflow | | |
| Water quality maintenance | | |
| Habitat for wildlife and vegetation | | |
| Flood attenuation | | |
| Light control and water temperature moderation | | |
| Travel corridors for migration and dispersal | | |
| Ice damage control | | |
| Stream width | | |
| Food supply | | |
| Wood debris input | | |
| Support of aquatic food chains and webs as they relate to terrestrial food webs | | |
| Channel and shoreline stability/decrease in erosion | | |
| Reduced effects of storm events | | |
| Instream pollutant processing | | |

Example

Worksheet 14 – Water Quality Analysis of Pollutant Loading from Disturbance in Buffer Area

| Total Disturbed Area (AC) | 2 |
|------------------------------|---|
| Disturbed Area Controlled by | 2 |
| BMPs (AC) | |

Existing Condition

| | | Polluta | ant | | | Pollutant Load | | | | |
|-------------------------------|----------------------|---------------------|--|------------------|--------------------------|----------------|---------------|--------------|--|--|
| Land Cover Classification | TSS EMC (mg/l) | TP EMC (mg/l) | Nitrate- Nitrite EMC (mg/l as N) | Cover (Acres) | Runoff Volume (AF) | TSS** (LBS) | TP** (LBS) | NO₃ (LBS) | | |
| Forest | 39 | 0.15 | 0.17 | 2 | 0.1574 | 16.58 | 0.07 | 0.07 | | |
| Meadow | 47 | 0.19 | 0.3 | | | | | | | |
| | | | | тот | AL LOAD | 16.58 | 0.07 | 0.07 | | |

Post-Development

| | - | | Polluta | ant | | | Po | llutant Lo | oad |
|------------------------|----------------------------------|----------------------|---------------------|--|------------------|--------------------------|----------------|---------------|--------------|
| | Land Cover Classification | TSS EMC (mg/l) | TP EMC (mg/l) | Nitrate- Nitrite EMC (mg/l as N) | Cover (Acres) | Runoff Volume (AF) | TSS** (LBS) | TP** (LBS) | NO₃ (LBS) |
| | Forest | 39 | 0.15 | 0.17 | | | | | |
| | Meadow | 47 | 0.19 | 0.3 | | | | | |
| တ တ | Fertilized Planting Area | 55 | 1.34 | 0.73 | | | | | |
| Pervious Surfaces | Native Planting Area | 55 | 0.40 | 0.33 | | | | | |
| Per | Lawn, Low-Input | 180 | 0.40 | 0.44 | | | | | |
| | Lawn, High-Input | 180 | 2.22 | 1.46 | | | | | |
| | Golf Course Fairway/Green | 305 | 1.07 | 1.84 | | | | | |
| | Grassed Athletic Field | 200 | 1.07 | 1.01 | | | | | |
| | Rooftop | 21 | 0.13 | 0.32 | | | | | |
| S | High Traffic Street/Highway | 261 | 0.40 | 0.83 | | | | | |
| rions | Medium Traffic Street | 113 | 0.33 | 0.58 | | | | | |
| Impervious Surfaces | Low Traffic/Residential Street | 86 | 0.36 | 0.47 | | | | | |
| 直面 | Res. Driveway, Play Courts, etc. | 60 | 0.46 | 0.47 | | | | | |
| | High Traffic Parking Lot | 120 | 0.39 | 0.60 | | | | | |
| | Low Traffic Parking Lot | 58 | 0.15 | 0.39 | 2 | 0.48 | 75.89 | 0.20 | 0.51 |
| | | | | | тот | AL LOAD | 75.89 | 0.20 | 0.51 |
| | | | | Pollutant Lo | ad increas | se (LBS) = | 59.31 | 0.13 | 0.44 |

Example

Worksheet 15 – Pollutant Reduction Through BMP Applications*

*Fill this worksheet out for each BMP type with different pollutant removal efficiencies. Sum pollutant reduction achieved for all BMP types on final sheet.

BMP Type: Capture & Reuse

Disturbed Area Controlled by this 2 BMPs (AC)

Disturbed Area Controlled by this BMPs:

| | | | Polluta | ant | | Pollutant L | | | ad** |
|------------------------|----------------------------------|----------------------|---------------------|--|------------------|--------------------------|----------------|---------------|-------------|
| | Land Cover Classification | TSS EMC (mg/l) | TP EMC (mg/l) | Nitrate- Nitrite EMC (mg/l as N) | Cover (Acres) | Runoff Volume (AF) | TSS** (LBS) | TP** (LBS) | NO₃ (LBS |
| | Forest | 39 | 0.15 | 0.17 | , , | | ` ′ | ` ' | |
| | Meadow | 47 | 0.19 | 0.3 | | | | | |
| ω ω | Fertilized Planting Area | 55 | 1.34 | 0.73 | | | | | |
| Pervious Surfaces | Native Planting Area | 55 | 0.40 | 0.33 | | | | | |
| Surf | Lawn, Low-Input | 180 | 0.40 | 0.44 | | | | | |
| | Lawn, High-Input | 180 | 2.22 | 1.46 | | | | | |
| | Golf Course Fairway/Green | 305 | 1.07 | 1.84 | | | | | |
| | Grassed Athletic Field | 200 | 1.07 | 1.01 | | | | | |
| | Rooftop | 21 | 0.13 | 0.32 | | | | | |
| v | High Traffic Street/Highway | 261 | 0.40 | 0.83 | | | | | |
| rions | Medium Traffic Street | 113 | 0.33 | 0.58 | | | | | |
| Impervious Surfaces | Low Traffic/Residential Street | 86 | 0.36 | 0.47 | | | | | |
| 重の | Res. Driveway, Play Courts, etc. | 60 | 0.46 | 0.47 | | | | | |
| | High Traffic Parking Lot | 120 | 0.39 | 0.60 | | | | | |
| | Low Traffic Parking Lot | 58 | 0.15 | 0.39 | 2 | 0.48 | 75.89 | 0.20 | 0.51 |
| | | | | TOTAL LOAD | TO THIS E | MP TYPE | 75.89 | 0.20 | 0.51 |
| | POLLUTANT REMOVAL EFFICIENCE | ES FROM | APPENE | DIX A. STORM | WATER MA | ANUAL (%) | 100 | 100 | 100 |
| | POLLUTANT | REDUC | TION ACE | HEVED BY TH | IIS BMP T | YPE (LBS) | 75.89 | 0.20 | 0.51 |
| | | | | | | | ı | ı | |
| | POLLUTANT | | | IEVED BY ALI | | | 75.89 | 0.20 | 0.51 |
| | | | REQUIRE | D REDUCTIO | N trom WS | 5 14 (LBS) | 59.31 | 0.13 | 0.44 |

Monitoring, Inspection and Reporting

- All requirements of Chapter 102 remain
 - Erosion and sedimentation control, post construction stormwater management, deeding restrictions, inspections
- Special conditions, if necessary, will be inserted into the permit in Part C

Monitoring, Inspection and Reporting

| Troject Contact Ferson | | | | | | | |
|---|---|---|--|---|----------------------|-----------------|--|
| Organization: | | | | | | | |
| Email: | | | | Phon | e #: | | |
| | | PROJI | ECT IDEN | TIFICATIONS | | | |
| Project Start Date: | | | | | | | |
| Project Name: | | | | | | | |
| Project Address: | | | | | | | |
| County: | | | | | | | |
| | | | | | | | |
| Center of Site | | | | | | | |
| 104 Watershed Code: | d Code: Latitude: | | | Longitude | e: | | |
| Water Body: Stream | Wetland | Rive | er | Lake | Pond | Dam | |
| TMDL/Impairment Status o | • | | | | | _ | |
| Water Use Designation: ht | tp://www.pacode.c | om/secure/c | data/025/ch | napter93/chap93toc | c.html | | |
| BUFFER POTENTIAL TO BECOME A MATURE FOREST | | | | | | | |
| December Duffer | | | | Ruffer Permanent | tly Protected: Ye | es No | |
| Reason for Buffer: | | | | Daniel I ennancin | ay i rotootou. Te | 70 110 | |
| Riparian Forest Buffer Prot | ection Agreement: | Yes | No | Protection Status: | | 7.0 | |
| | | Yes Undercut | No Bare | | | Other | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor | Laid Back Average | Undercut Good | Bare Ex | Protection Status Forested ccellent | : | | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complete | Laid Back Average tion: New | Undercut Good Enhar | Bare Ex ncement | Protection Status Forested scellent Existing | : | | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Great | Laid Back Average tion: New ound Area Shaded | Undercut Good Enhar by Woody \ | Bare Exacement /egetation | Protection Status: Forested ccellent Existing | : Needs Work | | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complete | Laid Back Average tion: New ound Area Shaded | Undercut Good Enhar by Woody \ vered by Nor | Bare Example Bare Description (Application) Description (Application) | Protection Status Forested scellent Existing Cegetation: | : Needs Work | | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Gro % of Ground Cover in Buffe | Laid Back Average tion: New ound Area Shaded er – Total Area Cov | Undercut Good Enhar by Woody \ vered by Nor | Bare Example Bare Description (Application) Description (Application) | Protection Status: Forested ccellent Existing | : Needs Work | | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Gro % of Ground Cover in Buffer Adjacent Land Use: Herba | Laid Back Average tion: New ound Area Shaded er – Total Area Cov | Undercut Good Enhar by Woody \ vered by Nor | Bare Expected by the second se | Protection Status Forested scellent Existing cegetation: CTERISTICS Development | : Needs Work Forest | Other | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Gro % of Ground Cover in Buffer Adjacent Land Use: Herba Buffer Type: Forest | Laid Back Average tion: New ound Area Shaded er – Total Area Cov aceous/Shrubs Tree/Shrubs | Undercut Good Enhar by Woody \ vered by Nor BUFFE Farm Gras | Bare Expected by the second se | Protection Status: Forested kcellent Existing cegetation: CTERISTICS Development Fencing Only | Forest Fencing a | Other and Trees | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Gro % of Ground Cover in Buffer Adjacent Land Use: Herba Buffer Type: Forest Buffer Length 1st Side (Fac | Laid Back Average tion: New ound Area Shaded er – Total Area Cov aceous/Shrubs Tree/Shrubs ing Downstream): | Undercut Good Enhar by Woody \ vered by Nor BUFFE Farm Gras | Bare Expected by the second se | Protection Status: Forested scellent Existing regetation: Development Fencing Only Buffer Width | Forest Fencing a | Other | |
| Riparian Forest Buffer Prot Condition of Stream Bank: Health of Buffer: Poor State After Project Complet % Canopy Cover (Total Gro % of Ground Cover in Buffer Adjacent Land Use: Herba Buffer Type: Forest | Laid Back Average tion: New ound Area Shaded er – Total Area Cov aceous/Shrubs Tree/Shrubs ing Downstream): | Undercut Good Enhar by Woody \ vered by Nor BUFFE Farm Gras | Bare Expected by the second se | Protection Status: Forested scellent Existing regetation: Development Fencing Only Buffer Width | Forest Fencing a | Other | |

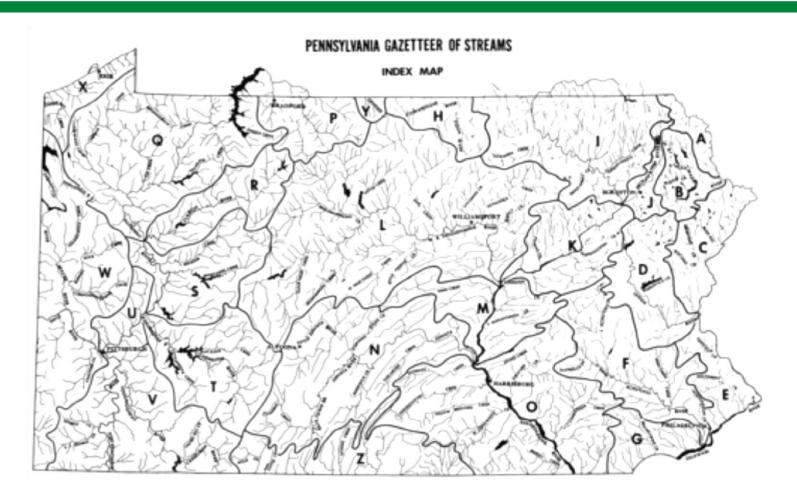
Application Requirements for Offsetting

- Pre-application meeting strongly suggested
- If necessary, offsetting must be part of application to be considered complete.
- Elements of an Application Package
 - Riparian Forest Buffer Planting Plan
 - Riparian Forest Buffer Maintenance and Monitoring Plan
 - Riparian Forest Buffer Monitoring Form
 - PA Stream Buffer Tracking Form



Step 1: Choose site for riparian forest buffer establishment

- Along special protection waters
 - Designated Use
 www.pacode.com/secure/data/025/chapter93/s93.9.htm
 - Existing Use
 www.portal.state.pa.us/portal/server.pt/community/existing use/10557.
- On same stream segment as area of disturbance
- Along special protection waters
 - Riparian area where no riparian forest buffer exists
- •For further guidance on site selection, see *Riparian Forest Buffer Guidance Document* # 394-5600-001 pennsylvania





Additional location criteria – in decreasing order of preference:

- Site runoff characteristics similar to project area
- Pennsylvania Natural Heritage Program, Western Pennsylvania Conservancy www.naturalheritage.state.pa.us/docs/aquatics/ACC User'sManual-TitlePage,TOC,Ch.1-3.pdf.
- On waters in need of a riparian forest buffer, regardless of runoff characteristics



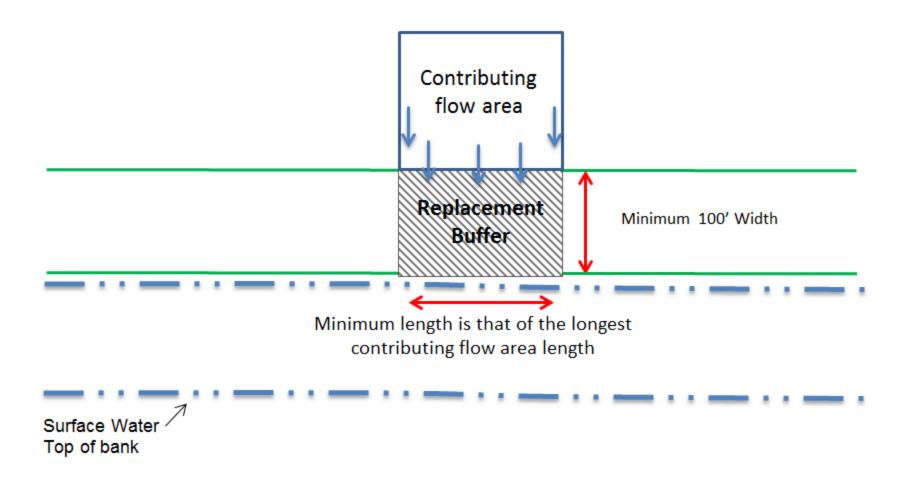
Step 2: Determine size of replacement riparian forest buffer

- Ratio of one to one per unit area (square foot) of buffer impact back to 150 feet from surface waters
- Replacement riparian forest buffer is at least 100 feet in width

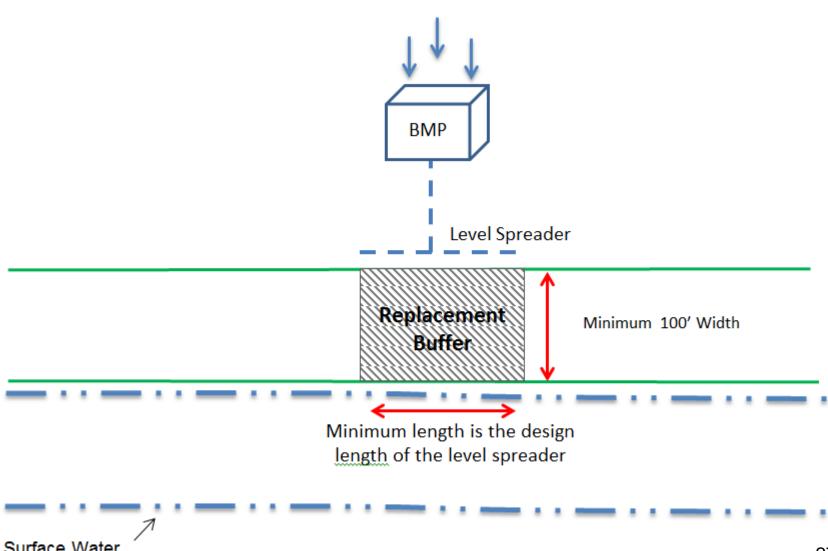


Additional sizing criteria include:

- For offsetting sites utilizing a level spreader
 - Length should be greater than or equal to the length of spreader
- For sites not utilizing a level spreader
 - Length should be greater than or equal to length of contributing flow area







Step 3: Create a riparian forest buffer planting plan

- Use diverse species of trees and shrubs
- Use native species of trees and shrubs
- Use larger (minimum caliper 2 inches for trees) more robust plantings to ensure success
- For further guidance on species composition, see Riparian Forest Buffer Guidance Document # 394-5600-001



Step 4: Prepare a replacement riparian forest buffer management plan as part of the post construction stormwater management plan:

- Planting plan
- Maintenance plan
- Monitoring plan
- PA Stream Buffer Tracking Form
- Long-term protection from future disturbance via an instrument (deed restriction, easement, etc.)



Appendix A - Sample Replacement Riparian Forest Buffer Planting Plan

See DEP's Riparian Forest Buffer Guidance for additional information on site assessment, native tree/shrub selection, planting, planting density, maintenance and protection (pages 28-101) at URL: www.elibrary.dep.state.pa.us/dsweb/Get/Document-82308/394-5600-001.pdf

| Contact: | | | Phone Number | - |
|--------------|----------------------------|------|--------------|-----------------|
| Site Plan | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Species | Latin Name | Size | Quantity | Pattern/Spacing |
| | | | | |
| | 1 | | I | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Equipment/To | ols: | Site | Preparation: | |
| Equipment/To | | | | |
| | ools: Responsibilities: | | Preparation: | |

Appendix B - Sample Replacement Riparian Forest Buffer Maintenance and Monitoring Plan

The following is a sample maintenance schedule to optimize survival of a newly planted riparian forest buffer. Keep in mind tasks are the same for each riparian forest buffer but there may be site variations, therefore, add to the schedule additional tasks that are site specific. See DEP's Riparian Forest Buffer Guidance for additional information (pages 28-101) at URL: http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-82308/394-5600-001.pdf

| Maintenance Tasks for Riparian Forest Buffers Year | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 Cal | | | | | |
| Check tree shelters (March-April) <u>Suggested activities</u> : straighten and re-drive any loose stakes, replace damaged/rotten stakes; check ties and tighten or replace if needed; remove large wasp nest (before they come active); remove bird nets if tree has reached the top of the shelter. | X | X | X | X | > |
| Remove shelters (Spring) It is recommended to remove when trees that are at least 2 inches in diameter at top of tube; leave stake in place to deter buck rub; if tree is droopy, secure to stake with biodegradable material. | | | X | X | > |
| Herbicide application (April-May) Apply broad-spectrum herbicide to protect trees from rodents and reduce competition by other plants (add a pre-emergent herbicide advisable); ideally spray 3' strips along shelters or 4' circle spots (if not mowing the site). | X | X | X | X | |
| Mowing (Summer and Fall) Mow between rows at least twice between June and late September to prevent weeds going to seed, and reduce existing vegetation competition. If rodent population is high, reduce habitat by mowing additional three years in the fall only (see herbicide application above). If not mowing, spot spraying for invasive plants if needed. | X | X | | | |
| Herbicide application (mid-August-early October) Apply broad-spectrum herbicide only to control perennial noxious or invasive weeds, reduce existing vegetation competition, and protect trees from rodents (ideally spray 3' strips along shelters, but could be 4' circles) | х | X | X | X | |

Appendix C - Replacement Riparian Forest Buffer Site Monitoring Form

| Site Name | Date Collec | ctedC | ollected by | | | | | |
|--|--------------------|-----------------------------|-----------------------|-------------------|----------------|----------|---------|----|
| Total Area (acres) | Area San | Area SampledNumber of Plots | | | | | | |
| Original Planting Densi | | Original Planting | Density (Trees or Shr | rubs per Acr | e) | | | |
| B&B/Containerized Sap | olings | _ Sheltered Seedlin | gs | | | | | |
| Seedlings w/o Shelters _ | | | | | | | | |
| | | Trees and Shru | ubs Counted During N | Monitoring | | | | |
| | | Number of | f Each Plant Type | | | Co | ndition | n* |
| Tree or Shrub Species | Number Counted | Planted Seedling | Sheltered Seedling | B&B/ Container | Natural Regen. | Other | 1 | 2 |
| | | 9 | 9 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TOTALS: | | | | | | | | |
| *1=Healthy and free *2=Damaged or imp | aired by some prob | lem. | damaged. Likely to | survive and | grow. | <u> </u> | | 1 |
| Number of Species (| ounted: | | | | | | 3 | 2 |

 ${\bf Plant\ Condition\ Summary:\ Percent\ Healthy\ ____\%} \quad {\bf Percent\ Damaged\ ____\%}$

3720-FM-BCR0100 2/2012

pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CONSERVATION AND RESTORATION

PA STREAM BUFFER TRACKING FORM

| Project Contact Person: |
|---|
| Organization: |
| Email: Phone #: |
| PROJECT IDENTIFICATIONS |
| Project Start Date: |
| Project Name: |
| Project Address: |
| County: |
| Stream Name: |
| Center of Site |
| 104 Watershed Code: Latitude: Longitude: |
| Water Body: Stream Wetland River Lake Pond Dam |
| FMDL/Impairment Status of Waterbody: |
| Water Use Designation: http://www.pacode.com/secure/data/025/chapter93/chap93toc.html |
| BUFFER POTENTIAL TO BECOME A MATURE FOREST |
| Reason for Buffer: Buffer Permanently Protected: |
| Riparian Forest Buffer Protection Agreement: Yes No Protection Status: |
| Condition of Stream Bank: |
| Health of Buffer: Poor Average Good Excellent |
| State After Project Completion: New Enhancement Existing |
| % Canopy Cover (Total Ground Area Shaded by Woody Vegetation): |
| % of Ground Cover in Buffer – Total Area Covered by Non-Woody Vegetation: |
| BUFFER CHARACTERISTICS |
| Adjacent Land Use: Herbaceous/Shrubs Farm Development Forest |

Monitoring, Inspection, and Reporting

- Monitoring, inspection and reporting requirements remain as found in Chapter 102
- Monitoring, inspection and reporting requirements will also be found in the conditions of the approved NPDES Permit, Part A - Effluent Limitations, Monitoring, and Reporting Requirements and Part C - Other Conditions
- Reporting Use PA Stream Buffer Tracking
 Form (#3720-FM-BCR0100)

 Pennsylvania
 Pennsylvania

Implementation

- Published as Interim Final in PA Bulletin
 - Publication March 21st 2015
- Department's website: <u>www.dep.state.pa.us</u>
 - "Public Participation Center" → Public Comments
 - → Technical Guidance"
- 60-day public comment period
 - Began March 21st 2015
 - Closed May 20th 2015
- Potential Future Rulemaking



Summary of Comments

- 15 individual commenters, 8 legislative commenters
- Form letters
 - 150 form letters supporting Pennsylvania Builders
 Association comments
 - 1,200 form letters supporting strong buffer implementation
- Major issues waivers; other smaller issues











Bureau of Waterways Engineering and Wetlands

Questions?

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