PRIVATE TREATMENT CONTROL BMP OPERATION AND MAINTENANCE VERIFICATION FORM BIORETENTION FACILITIES, VEGETATED SWALES & HIGHER RATE BIOFILTERS

| BMP Locatio | n: | | | | |
|--|--|--|---|--|---|
| Responsible | Party: | | | | |
| Phone Numb | er: (|) | Email: | | |
| Responsible | Party Add | dress: | | | |
| • | | | he inspections and ma | intenance activi | ties that have been conducted |
| ether maintenai s required, prov IE BACK NINTENANCI | nce was revide the of OF TH E INDIC | equired based late maintenan IIS SHEET ATORS AN | on each inspection, a ce was conducted and FOR MORE | performed. Ur nd if so, what ty d a description NFORMATIO | nder "Results of Inspection," in upe of maintenance. If mainten of the maintenance. REFEI ON DESCRIBING TYP S. I f no maintenance was re |

| What To Look For? | Date Inspected | Results of Inspection: Work needed? (Yes/No) | Date Maintenance Completed and Description of Maintenance Conducted |
|--|-------------------|---|--|
| Accumulation of Sediment, Litter, Grease | | | |
| Standing Water | | | |
| Erosion | | | |
| Overgrown Vegetation | | | |
| Poor Vegetation Establishment | | | |
| Structural Damage | | | |
| | | | |
| | | | |

- 3. Attach copies of available supporting documents (photographs, copies of maintenance contracts, and/or maintenance records). *PHOTOGRAPHIC DOCUMENTATION IS STRONGLY ENCOURAGED
- 4. Sign the bottom of the form and return to: Warwick Township

315 Clay Road, PO Box 308 Lititz, PA 17543-0308 **OR**

Email: townshipmanager@warwicktownship.org

Phone: 717-626-8900

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This guide sheet provides general indicators for maintenance only and for a wide array of treatment control BMPs. Your developer prepared maintenance plans specifically for your treatment control BMP as an appendix to the Stormwater Management Plan. Also, if you have a manufactured structure, please refer to the manufacturer's maintenance instructions.

Riofilters include the following:

sediment and debris from screens and overflow drains and downspouts; ensure pumps are functioning, where applicable; check integrity of mosquito screens; and; check that covers are

For manufactured high-flow-rate biofilters, see

manufacturer's maintenance guidelines

properly seated and locked.

| ☐ Vegetated Filter Strip/Swale ☐ Bioswale ☐ Manufactered Higher-Flow-Rate Biofilters, such | | | | | | |
|---|--|--|--|--|--|--|
| | unobstructed, that erosion is prevented, and that soils are hel | | | | | |
| Bioretention BMPs Inspection and Maintenance Checklist | | | | | | |
| Typical Maintenance Indicators | Typical Maintenance Actions | | | | | |
| Accumulation of sediment (over 2 inches deep or covers vegetation), litter, or debris | Remove and properly dispose of accumulated materials, without damage to the vegetation. Confirm that soil is not clogging and that the area drains after a storm event. Till | | | | | |
| | or replace soil as necessary. | | | | | |
| Poor vegetation establishment | Ensure vegetation is healthy and dense enough to provide filtering and to protect soils from erosion. Replenish mulch as necessary (if less than 3 inches deep), remove fallen leaves and debris, prune large shrubs or trees, and mow turf areas. | | | | | |
| Overgrown vegetation—woody vegetation not part of design is present and grass excessively tall (greater than 10 inches) | Mow or trim as appropriate, but not less than the design height of the vegetation (typically 4-6 inches for grass). Confirm that irrigation is adequate and not excessive and that sprays do not directly enter overflow grates. Replace dead plants and remove noxious and invasive weeds. | | | | | |
| Erosion due to concentrated irrigation flow | Repair/re-seed eroded areas and adjust the irrigation. | | | | | |
| Erosion due to concentrated stormwater runoff flow | Repair/re-seed eroded areas and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or re-grading where necessary.Remove obstructions and sediment accumulations so water disperses. | | | | | |
| Standing water (BMP not draining). If mosquito larvae are present and persistent, contact the San Diego County Vector Control Program at (858) 694-2888. Mosquito larvicides should be applied only when absolutely necessary and then only by a licensed individual or contractor. | Where there is an underdrain, such as in planter boxes and manufactured biofilters, check the underdrain piping to make sure it is intact and unobstructed. Abate any potential vectors by filling holes in the ground in and around the biofilter facility and by insuring that there are no areas where water stands longer than 96 hours following a storm. | | | | | |
| Obstructed inlet or outlet structure | Clear obstructions. | | | | | |
| Damage to structural components such as weirs, inlet, or outlet structures | Repair or replace as applicable. | | | | | |
| Before the wet season and after rain events: remove | Where cisterns are part of the system | | | | | |