



Use ONE BMP checklist sheet for each specific type of BMP device found at each BMP site location. As an example if a given site has four dry ponds and four level spreaders, you need to submit one standard form (i.e., this 2-page form) along with four Dry Pond sheets and four Level Spreader sheets. Fill-in the actual number of BMP devices on the table below that exist at a given site. Attach digital low-res digital color photos as appropriate, to show areas of interest or areas that need attention.

| Device Type   | Number of BMP's per Site | Describe (only if needed) |
|---|--------------------------|---------------------------|
| Bioretention Areas  |                          |                           |
| Constructed Wetlands  |                          |                           |
| Dry Ponds   |                          |                           |
| Grass Swales  |                          |                           |
| Level Spreaders   |                          |                           |
| Proprietary Device  |                          |                           |
| Riparian Buffers  |                          |                           |
| Sand Filter   |                          |                           |
| Underground Detention/Storage   |                          |                           |
| Wet Ponds   |                          |                           |
| Other (Ex: Rain Garden, Green Roofs, Infiltration Basins, Cisterns, Permeable Pavement (Describe) |                          |                           |

**Note #1: Inspections With Deficiencies** – “The “FAIL” box should be checked under item “C” (below). The failed inspection form along with the specific BMP check-off attachment sheets and confirmatory digital photographs summarizing required repairs must be submitted to the Town of Lewisville within 48-hours following completion of the preliminary inspection. Re-inspection and certification will be required after satisfactory completion of all repairs. The Owner has a maximum of 30-days from the date of the preliminary inspection to make all repairs, correct all deficiencies, and submit a certification to the Town of Lewisville in order to avoid automatic enforcement actions. *It is strongly encouraged that the inspector be part of the repair and maintenance process in a QA/QC role in order to ensure that repairs are being performed properly.*

**Note #2: Inspections With No Deficiencies** – “The “PASS” box should be checked under item “C.” (below). The inspection form should be signed, stamped, and sealed by the appropriate professional and submitted to the Town of Lewisville within the same month of, on or before the established inspection due date. Attach the applicable BMP check-off sheets and confirmatory digital photographs accordingly.

C. The results of this inspection are as follows:

**FAIL**  
VISUAL INSPECTION FOUND APPARENT PROBLEMS WHICH NEED IMMEDIATE ATTENTION. COMPLETE THE REPAIR AND/OR MAINTENANCE ITEMS INDICATED ON THE ATTACHED CHECKLISTS WITHIN 30-DAYS OF THE DATE OF THIS REPORT. RE-INSPECTION AND CERTIFICATION PRIOR TO OR AT THE 30-DAY INTERVAL WILL FOLLOW SATISFACTORY COMPLETION OF ALL REPAIRS AND MAINTENANCE. REPORTS NOT RECEIVED WITHIN 30-DAYS WILL AUTOMATICALLY DEFAULT INTO ENFORCEMENT ACTIONS. SEE ITEM "D" BELOW REGARDING ENFORCEMENT.

**PASS/CERTIFIED** (CHECK HERE AFTER INITIAL FAILURE IF THIS IS A RE-INSPECTION)   
VISUAL INSPECTION FOUND NO APPARENT PROBLEMS, (CERTIFICATION BELOW; SEE ITEM "E").

D. Enforcement Actions. Enforcement is triggered as follows:

- 1) When an annual inspection is **30-days** past due and no efforts have been documented (submitted) to the Town of Lewisville indicating that the inspection has taken place; or
- 2) When a site inspection does take place but fails, and the follow-on **30-day** repair time period outlined above elapses and no repairs and/or follow-on certification is received by the Town of Lewisville;
- 3) When a site inspection does take place but fails and then, after **30-days**, only some (but not all) of the necessary repairs have been rectified.

E. Certification (is only performed when BMP is functional and has no outstanding repair or maintenance issues)  
I, \_\_\_\_\_, as a duly registered Professional in the State of North Carolina, hereby state that, to the best of my abilities the stormwater best management practice (bmp) device(s) is/are fully functioning and operating as designed and intended.

Seal/Signature

Inspection by: \_\_\_\_\_

Date: \_\_\_\_\_

## Submittal Requirements:

- 1) **SUBMITTAL TIMELINE.** All inspections – passed and/or failed must be submitted to the Town of Lewisville electronically by the end of the month the inspection is due.
- 2) **ELECTRONIC PDF SUBMITTALS.** Submittals shall be in the form of an electronic copy sent via email as a pdf file. The Town of Lewisville’s standard *STORMWATER BMP ANNUAL MAINTENANCE INSPECTION REPORT* form shall be submitted with as many applicable BMP attachment check-off sheets as necessary based upon actual numbers of BMP’s at a site. As an example if a given site has four BMP’s **dry ponds** and four **level spreaders connected to the ponds**, you need to submit one standard form (i.e., the 2-page form) along with four ‘dry pond checklist attachments and four ‘level spreader checklist attachment sheets. Additionally, color digital photographs of the BMP features and areas of interest/concern shall be submitted as well. ALL of the above shall be submitted as ONE pdf – preferably no more than (2) megabytes in size. Do **NOT** submit separate digital photos as a pdf, separate attachment sheets as a pdf – make it all one pdf submittal. If you need to shrink or reduce the size of the electronic file – use low resolution scanning and put approximately 3-4 pictures on one page. Full size page pictures are not needed or desired. Text book quality digital pictures likewise are not needed. However, all pictures shall be submitted in **COLOR** – no black and white pictures are desired.
- 3) **PDF FILE NAMING.** For simplicity, create the pdf file name with an equivalent site name as identified by the Town of Lewisville’s site name for the bmp followed by the year of inspection.
- 4) **PAPER COPIES.** Paper copy submittals are no longer required or desired. All submittals should be submitted electronically to the Stormwater Administrator, Chester Patterson at the following email address: [cpatterson@lewisvillenc.net](mailto:cpatterson@lewisvillenc.net). Additional submittal questions may be answered by the Stormwater Administrator via telephone at: (336)945-1025.

# Underground Detention Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment                              | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation/debris/sediment |             |          |
| Structural Condition                    |             |          |
| Filter Condition                        |             |          |
| Other (Describe)                        |             |          |

### UNDERGROUND VAULT\*

| Assessment                             | Code Status | Comments |
|--|-------------|----------|
| Sediment/debris accumulation           |             |          |
| Access hatch condition                 |             |          |
| Vault structural condition             |             |          |
| Baffles and/or weir condition          |             |          |
| Access ladder/steps condition          |             |          |
| Oil accumulation                       |             |          |
| Blocked, damaged, or plugged air vents |             |          |
| Proper drainage                        |             |          |
| Other (Describe)                       |             |          |

\* All applicable OSHA requirements should be followed during an underground detention inspection,

# Underground Detention Checklist for Annual BMP Report

## Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### OUTLET DEVICE

| Assessment                                  | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation/debris/sediment     |             |          |
| Erosion/Undercutting                        |             |          |
| Joint Failure/Loss of Joint Material        |             |          |
| Leaking Device                              |             |          |
| Control Valve Operation                     |             |          |
| Emergency By-pass Condition                 |             |          |
| Filter Fabric Present Under Rip-Rap?        |             |          |
| Displacement and Condition of Fabric        |             |          |
| Rip-Rap: Size, Quantity, Underlying Fabric? |             |          |
| Other (Describe)                            |             |          |

### MISCELLANEOUS

| Assessment                    | Code Status | Comments |
|-------------------------------|-------------|----------|
| Trash/debris                  |             |          |
| Access                        |             |          |
| Hazardous Fumes/Odors Present |             |          |
| Other (Describe)              |             |          |

### PHOTOGRAPHS

Attach low-resolution, digital color photographs of the site and BMP features (2-3 per page- no more, no less on any one page). Include captions describing the photographs.

### ADDITIONAL COMMENTS

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# Level Spreader Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INLET/FLOW SPLITTER DEVICE

| Assessment                              | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation/debris/sediment |             |          |
| Rip Rap Displacement /Sedimentation     |             |          |
| Structural Condition                    |             |          |
| Other (Describe)                        |             |          |

### POOLING AREA AND LEVEL LIP

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Sediment/debris accumulation                            |             |          |
| Level lip is cracked , settled, undercut or eroded      |             |          |
| Stormwater is by-passing level spreader                 |             |          |
| Woody Vegetation growth in pooling area or on level lip |             |          |
| Grass is maintained as mowed                            |             |          |
| Nuisance Vegetation is Present                          |             |          |
| Other (Describe)  |             |          |

### BYPASS CHANNEL

| Assessment                   | Code Status | Comments |
|------------------------------|-------------|----------|
| Bare soil/erosive gullies    |             |          |
| Turf Reinforcement condition |             |          |
| Displacement of rip-rap      |             |          |
| Other (Describe)             |             |          |

### FILTER STRIP

| Assessment                         | Code Status | Comments |
|------------------------------------|-------------|----------|
| Grass length: (too short/too long) |             |          |
| Bare soil/erosive gullies          |             |          |
| Sediment accumulation              |             |          |
| Nuisance vegetation is present     |             |          |
| Other (Describe)                   |             |          |



# Grass Swale Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment   | Code Status | Comments |
|--|-------------|----------|
| Obstruction:<br>vegetation.debris/sediment         |             |          |
| Erosion/undercutting                               |             |          |
| Displacement/sedimentation of<br>fabric or rip-rap |             |          |
| Pipe condition                                     |             |          |
| Other (Describe)                                   |             |          |

### ENTIRE LENGTH OF SWALE

| Assessment                              | Code Status | Comments |
|---|-------------|----------|
| Trash debris                            |             |          |
| Bare soil/erosive gullies               |             |          |
| Sediment accumulation                   |             |          |
| Vegetation length: (too short/too long) |             |          |
| Invasive vegetation                     |             |          |
| Erosion/Damage to outlet                |             |          |
| Other (Describe)                        |             |          |

### PHOTOGRAPHS

Attach low-resolution, digital color photographs of the site and BMP features (2-3 per page- no more, no less on any one page). Include captions describing the photographs.

### ADDITIONAL COMMENTS

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# Dry Pond Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment                                      | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation.debris/sediment         |             |          |
| Erosion/undercutting                            |             |          |
| Displacement/sedimentation of fabric or rip-rap |             |          |
| Pipe condition                                  |             |          |
| Other (Describe)                                |             |          |

### FOREBAY (AS APPLICABLE)

| Assessment                       | Code Status | Comments |
|----------------------------------|-------------|----------|
| Sediment/debris accumulation     |             |          |
| Bare soil/erosion on side slopes |             |          |
| Invasive vegetation              |             |          |
| Other (Describe)                 |             |          |

### MAIN TREATMENT AREA

| Assessment   | Code Status | Comments |
|--|-------------|----------|
| Standing water (>5-days after storm)                             |             |          |
| Sediment/debris accumulation                                     |             |          |
| Bare soil/erosion on side slopes                                 |             |          |
| Invasive vegetation  |             |          |
| Side slopes maintained as mowed/covered                          |             |          |
| Emergency spillway properly armored and free of woody vegetation |             |          |
| Other (Describe)   |             |          |

# Dry Pond Checklist for Annual BMP Report

## Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### EMBANKMENT

| Assessment                               | Code Status | Comments |
|--|-------------|----------|
| Bare soil, erosion, loss of dam material |             |          |
| Shrubs/trees present (>3'tall)           |             |          |
| Animal burrows                           |             |          |
| Grass cover is eroding/unhealthy         |             |          |
| Signs of seepage on downstream face      |             |          |
| Other (Describe)                         |             |          |

*\* Note: It is recommended that shrubs/trees if present on the embankment be removed if greater than 3' tall*

### OUTLET DEVICE

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Obstructed pipe, trash rack, or draw-down orifice |             |          |
| Erosion/undercutting                              |             |          |
| Joint failure/loss of joint material, soil piping |             |          |
| Overall structural condition                      |             |          |
| Sediment in Pipe                                  |             |          |
| Displacement of fabric/rip-rap                    |             |          |

*\* Note: It is recommended that the pond drain be exercised twice a year to prevent freezing*

### MISCELLANEOUS

| Assessment                                       | Code Status | Comments |
|--|-------------|----------|
| Trash/debris                                     |             |          |
| Access   |             |          |
| Evidence of routine maintenance being performed? |             |          |
| Fence condition (if applicable)                  |             |          |
| Other (Describe)                                 |             |          |



# Wet Pond Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment                                      | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation.debris/sediment         |             |          |
| Erosion/undercutting                            |             |          |
| Displacement/sedimentation of fabric or rip-rap |             |          |
| Pipe condition                                  |             |          |
| Other (Describe)                                |             |          |

### FOREBAY (AS APPLICABLE)

| Assessment                       | Code Status | Comments |
|----------------------------------|-------------|----------|
| Sediment/debris accumulation     |             |          |
| Bare soil/erosion on side slopes |             |          |
| Invasive vegetation              |             |          |
| Other (Describe)                 |             |          |

### MAIN POND POOL AREA

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Visible pollution/muddiness of water quality,                               |             |          |
| Sediment accumulation   |             |          |
| Trash accumulation  |             |          |
| Is vegetative shelf thriving? *   |             |          |
| Invasive vegetation (%) *   |             |          |
| Algae cover (%) *   |             |          |
| Bare soil/erosion on side slopes  |             |          |
| Side slopes maintained as mowed/covered                                     |             |          |
| Emergency spillway properly armored and free of woody vegetation            |             |          |
| Water level returns to normal pool elevation (>5-days after rainfall event) |             |          |
| Other (Describe)  |             |          |

\* *Note: Replace such plants as necessary per original approved construction plans*

\* *Invasive vegetation should be no greater than 5% of surface area*

\* *If algae is predominant, rectify prior to passing inspection*

Wet Pond Checklist

# Wet Pond Checklist for Annual BMP Report

## Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### EMBANKMENT

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Bare soil, erosion, loss of dam material                      |             |          |
| Shrubs/trees present (>3'tall) *                              |             |          |
| Animal burrows  |             |          |
| Grass cover is eroding/unhealthy                              |             |          |
| Signs of seepage on downstream face                           |             |          |
| Signs of structural failure: i.e., horizontal/vertical cracks |             |          |
| Upslope, top, and downslope maintained as mowed               |             |          |
| Condition of soil on dam: bare spots or loss of dam material? |             |          |
| Other (Describe)  |             |          |

*\* Note: It is recommended that a dam specialist be consulted regarding established trees growing on a dam. Owner may choose to leave trees provided they are not adversely affecting BMP functionality or creating a hazardous condition (via roots. However, the Town assumes no liability for any damage caused by remaining trees on the dam.*

### OUTLET DEVICE

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Obstructed pipe, trash rack, or draw-down orifice |             |          |
| Erosion/undercutting                              |             |          |
| Joint failure/loss of joint material, soil piping |             |          |
| Overall structural condition                      |             |          |
| Leaking devices                                   |             |          |
| Sediment in Pipe                                  |             |          |
| Displacement of fabric/rip-rap                    |             |          |
| Other (Describe)                                  |             |          |

*\* Note: It is recommended that the pond drain be exercised twice a year to prevent freezing*



# Constructed Wetland Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment                                      | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation.debris/sediment         |             |          |
| Erosion/undercutting                            |             |          |
| Displacement/sedimentation of fabric or rip-rap |             |          |
| Pipe condition                                  |             |          |
| Other (Describe)                                |             |          |

### FOREBAY/DEEP POOL AT OUTLET STRUCTURE

| Assessment                       | Code Status | Comments |
|----------------------------------|-------------|----------|
| Sediment/debris accumulation     |             |          |
| Bare soil/erosion on side slopes |             |          |
| Invasive Vegetation              |             |          |
| Side slopes maintained/mowed     |             |          |
| Other (Describe)                 |             |          |

### MAIN TREATMENT AREA

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Returns to permanent pool elevation (>5-days after storm)   |             |          |
| Sediment/debris accumulation  |             |          |
| Plants are dead, diseased, or dying<br><i>(Replace such plants as necessary per original approved construction plans)</i> |             |          |
| Side slopes maintained as mowed   |             |          |
| Bare soil/erosion on side slopes  |             |          |
| Invasive vegetation (%)   |             |          |
| Algae cover (%)   |             |          |
| Emergency spillway properly armored and free of woody vegetation  |             |          |
| Other (Describe)  |             |          |

# Constructed Wetland Checklist for Annual BMP Report

## Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### EMBANKMENT

| Assessment   | Code Status | Comments |
|--|-------------|----------|
| Bare soil/erosion/loss of dam material                           |             |          |
| Shrubs/trees present   |             |          |
| Animal burrows   |             |          |
| Signs of structural failure: i.e., horizontal or vertical cracks |             |          |
| Upslope, top, and downslope maintained as mowed                  |             |          |
| Other (Describe)   |             |          |

### OUTLET DEVICE

| Assessment                                       | Code Status | Comments |
|--|-------------|----------|
| Obstruction: vegetation/debris/sediment          |             |          |
| Erosion/undercutting                             |             |          |
| Joint failure/loss of joint material/soil piping |             |          |
| Leaking device                                   |             |          |
| Structural Condition                             |             |          |
| Sediment in Pipe                                 |             |          |
| Displacement of fabric/rip-rap                   |             |          |
| Other (Describe)                                 |             |          |

\* = *It is recommended that the pond drain be exercised twice a year to prevent freezing*

### MISCELLANEOUS

| Assessment                                       | Code Status | Comments |
|--|-------------|----------|
| Trash/debris                                     |             |          |
| Access   |             |          |
| Evidence of routine maintenance being performed? |             |          |
| Fence condition (if applicable)                  |             |          |
| Other (Describe)                                 |             |          |



# Bio-retention Area Checklist for Annual BMP Report Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

## Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

## INFLOW POINTS

| Assessment                                    | Code Status | Comments |
|---|-------------|----------|
| Obstruction: vegetation/debris/sediment       |             |          |
| Erosion/undercutting                          |             |          |
| Structural condition                          |             |          |
| Displacement /sedimentation of fabric/rip-rap |             |          |
| Other (Describe)                              |             |          |

## PERIMETER/SIDE SLOPES/EMBANKMENT

| Assessment                    | Code Status | Comments |
|-------------------------------|-------------|----------|
| Sediment/debris accumulation  |             |          |
| Bare soil/erosion             |             |          |
| Woody vegetation              |             |          |
| Turfgrass maintained as mowed |             |          |
| Other (Describe)              |             |          |

## PRE-TREATMENT AREA (Forebay, grass swales, & verges, gravel)

| Assessment                      | Code Status | Comments |
|---------------------------------|-------------|----------|
| Sediment/debris accumulation    |             |          |
| Erosion/gullies present         |             |          |
| Invasive vegetation             |             |          |
| Flow is by-passing pretreatment |             |          |
| Other (Describe)                |             |          |

# Bio-retention Area Checklist for Annual BMP Report

## Town of Lewisville, North Carolina (Continued)

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### BIORETENTION CELL

| Assessment  | Code Status | Comments |
|---|-------------|----------|
| Overgrown vegetation (requires pruning)   |             |          |
| Plants are dead, diseased, or dying<br><i>(Replace such plants as necessary per original approved construction plans)</i> |             |          |
| Mulch is decomposed or displaced  |             |          |
| Soils/mulch clogged with sediment   |             |          |
| Evidence of lack of proper drainage<br>(i.e., dead plants, or successional wetland vegetation)                            |             |          |
| Bare or eroded areas in grass cells   |             |          |
| Other (Describe)  |             |          |

### OUTLET DEVICE

| Assessment                                       | Code Status | Comments |
|--|-------------|----------|
| Obstruction: vegetation/debris/sediment          |             |          |
| Erosion/undercutting                             |             |          |
| Structural condition                             |             |          |
| Sediment in pipe                                 |             |          |
| Joint failure/loss of joint material/soil piping |             |          |
| Displacement of fabric/rip-rap                   |             |          |
| Other (Describe)                                 |             |          |

### MISCELLANEOUS

| Assessment                                       | Code Status | Comments |
|--|-------------|----------|
| Trash/debris                                     |             |          |
| Access   |             |          |
| Evidence of routine maintenance being performed? |             |          |
| Other (Describe)                                 |             |          |



# Sand Filter Checklist for Annual BMP Report

## Town of Lewisville, North Carolina

BMP Site Name \_\_\_\_\_ Date \_\_\_\_\_

### Item-by-Item Code Key:

|            |   |
|------------|---|
| <b>FF</b>  | <b>Fully Functional (No Repairs Needed) = Pass for Inspection</b>                 |
| <b>PF</b>  | <b>Partially Functional (Repairs Needed) = Fail the Inspection</b>                |
| <b>NF</b>  | <b>Not Functional (Repairs Needed) = Fail the Inspection</b>                      |
| <b>MON</b> | <b>Monitor (Monitor for a period of time – perhaps until the next inspection)</b> |
| <b>N/A</b> | <b>Not Applicable</b>   |

### INFLOW POINTS

| Assessment                              | Code Status | Comments |
|---|-------------|----------|
| Obstruction: debris/sediment            |             |          |
| Structural condition of grates & covers |             |          |
| Trash/debris covering                   |             |          |
| Other (Describe)                        |             |          |

### SEDIMENT CHAMBER \* \* = All applicable OSHA requirements should be followed during inspection

| Assessment                            | Code Status | Comments |
|---------------------------------------|-------------|----------|
| Sediment exceeds O&M manual tolerance |             |          |
| Access hatch condition                |             |          |
| Vault/pipe structural condition       |             |          |
| Baffles and/or weir condition         |             |          |
| Access ladder/steps condition         |             |          |
| Oil accumulation                      |             |          |
| Leaking Device                        |             |          |
| Proper Drainage                       |             |          |
| Trash/Debris                          |             |          |
| Other (Describe)                      |             |          |

### SAND CHAMBER \* \* = All applicable OSHA requirements should be followed during inspection

| Assessment   | Code Status | Comments |
|--|-------------|----------|
| Holding water >24-hours after rain event   |             |          |
| Sand bed has been silted-in (silt/clay and contaminated sand should be removed and replaced with clean sand) |             |          |
| Sand bed color profile (if discolored >3" deep, remove and replace with clean sand)                          |             |          |
| Sand bed has been eroded or displaced (rake to level)  |             |          |
| Access hatch condition   |             |          |
| Vault/pipe structural condition  |             |          |
| Access ladder/step condition   |             |          |
| Trash/debris   |             |          |
| Other (Describe)   |             |          |



