FACILITY ID:	**DATE:** ___/___/___	**ASSESSED BY:**

NAME: _____

ADDRESS: _____

PHOTO IDS: _____

HANDHELD/ GPS ID:

SECTION 1- BACKGROUND INFORMATION (GIS)

BMP TYPE:

Dry Detention Pond	Dry Swale	Wetland
Extended Detention Pond	Wet Swale	Level Spreader
Wet Pond	Grass Channel	WQ Inlet
Filter (specify:_____)	Dry Well	Proprietary Device
Infiltration (specify:_____)	Permeable Pavement	Other
Check if structure is underground	Bioretention	_____

YEAR CONSTRUCTED: _____

OWNERSHIP
Public Private Unknown

SITE CHARACTERIZATION

DRAINAGE AREA:_____(acres) **IMPERVIOUS COVER:**_____(acres) Discerned from: Plan County Data GIS Field

CONTRIBUTING DRAINAGE AREA (% land use**):** *Note – All percentages should sum up to 100%.*

_____Industrial _____Commercial _____Urban/Residential_____Suburban/Res
_____Forested _____Institutional _____Golf course _____Park
_____Crop _____Pasture _____Other: _____

WATER QUALITY VOL (FROM DESIGN PLAN):_____(ft^3)

SECTION 2- FIELD VISIT

Rain in last 48 hrs? Yes No

Evidence of high water table (e.g., excessive soil saturation)*?* Yes No

DESIGN ELEMENTS

FACILITY SIZE:
Length:_____(ft) Width: _____(ft)
Surface Area:_____(ft^2)
Depth of WQ storage_____(ft)

OBSERVED WQ STORAGE VOL:
_____(ft^3)

HYDRAULIC CONFIGURATION
On-line Facility
Off-line Facility

DESIGN STORM(S):
Water Quality
Flood Control
Channel Protection
Unknown

BMP SIGNAGE: (check all that apply)
None Flood Warning Stormwater Education No Trespassing Wildlife Habitat
Public Property Do Not Mow Other: _____

OUTLET CHARACTERISTICS

PRIMARY OUTLET STRUCTURE:
N/A – infiltration w/ no outlet Pipe Riser Weir Large Storm Overflow Open channel
Large Storm By-pass Other: _____

OUTLET FEATURES:
N/A Trash Rack Pond Drain Inverted outlet pipe Hooded outlet Anti-vortex device
Perforated pipe Gravel Diaphragm Micropool outlet Multiple outlet levels
Outlet includes restrictor? Yes No

OUTLET STRUCTURE CONDITIONS:
Erosion at Outlet: None Slight Moderate Severe Outlet
Clogging: None Slight Moderate Severe
Structural Problems: None Slight Moderate Severe

CONDITIONS AT OUTFALL:
Stream Closed storm sewer Surface channel Road ditch Other:_____
Unknown

Active Erosion:	None Slight Moderate Severe None	Odor:	None Slight Moderate Severe
Trash:	Slight Moderate Severe None Slight	Algae:	None Slight Moderate Severe
Sedimentation:	Moderate Severe	Other WQ Problems:	None Slight Moderate Severe

Emergency Spillway Type: Channel Riser Overflow Weir Other: _____

SOIL OR FILTER MEDIA

TYPE OF FILTER/INFILTRATION MEDIA: (check all that apply)

☐ Soil mix_____(in) ☐ Sand_____(in) ☐ Gravel_____(in) ☐ Large Stone_____(in)
☐ Organic material_____(in) ☐ Other_____ ☐ N/A ☐ Unknown
Avg. depth of sediment build-up on surface?_____(in)

SOIL MEDIA SAMPLE: *Note – Complete during site investigation, if applicable*
Dominant Soil Type ☐ Clay ☐ Loam ☐ Sand ☐ Sand/Loam
Is the soil homogenous? ☐ Yes ☐ No

Comments:

VEGETATION

GENERAL OBSERVATIONS:
☐ Landscaped
☐ Aquatic Bench
☐ Invasive Species
☐ Plant Diversity

TYPE OF GROUND COVER (% of Surface Area in Plan View up to low Outlet**):**
Note – All percentages should sum up to 100 %.

_____Trees _____Grasses/Perennials_____Ponded water _____Other: _____
_____ Managed Turf _____Bare Soil _____Shrubs _____N/A
_____ Gravel/stone _____Mulch _____Emergent wetland

Depth of mulch, if present: ☐ Hardwood_____(in) ☐ Pine Straw_____(in) ☐ Other_____(in)
Rate degree of shading of BMP Surface Area by trees: ☐ Well Shaded ☐ Some Shading ☐ No Shading ☐ N/A

INLET CHARACTERISTICS

INLET #1:
Diameter/Width:
_____(in)

TYPE OF INLET: ☐ Open Channel ☐ Closed Pipe
☐ Sheet Flow ☐ Curb Cut ☐ Other: _____

Elevation difference between bottom of inlet and BMP surface:
_____ (in)

INLET SUBMERSION:
☐ Complete
☐ Partial
☐ None

INLET CONDITIONS:
Inlet Erosion ☐ None ☐ Slight ☐ Moderate ☐ Severe
Inlet Clogging ☐ None ☐ Slight ☐ Moderate ☐ Severe
Structural Problems ☐ None ☐ Slight ☐ Moderate ☐ Severe

Comments:

INLET #2:
Diameter/Width:
_____(in)

TYPE OF INLET: ☐ Open Channel ☐ Closed Pipe
☐ Sheet Flow ☐ Curb Cut ☐ Other: _____

Elevation difference between bottom of inlet and BMP surface:
_____ (in)

INLET SUBMERSION:
☐ Complete
☐ Partial
☐ None

INLET CONDITIONS:
Inlet Erosion ☐ None ☐ Slight ☐ Moderate ☐ Severe None
Inlet Clogging ☐ Slight ☐ Moderate ☐ Severe None Slight
Structural Problems ☐ Moderate ☐ Severe ☐

Comments:

PRETREATMENT

TYPE OF PRETREATMENT *(check all that apply)*
☐ None
☐ Sediment Forebay (_____ft^3)
☐ Grass Channel
☐ Riprap Channel or Apron
☐ Grass Filter Strip
☐ Plunge Pool?
☐ Stone Diaphragm
☐ Other: _____

PRETREATMENT FUNCTION ☐ By design ☐ Incidental
Is pretreatment functioning? ☐ Yes ☐ No
Is sediment removal necessary? ☐ Yes ☐ No
Signs of pretreatment bypass? ☐ Yes ☐ No
Signs of flow of sediment from pretreatment to BMP? ☐ Yes ☐ No
Severity: ☐ Slight ☐ Moderate ☐ Severe

GENERAL DESIGN

BMP FEATURES (check all that apply)
☐ Maintenance Access
☐ Fence
☐ Multi-cell
☐ Micropool
☐ Impermeable Liner
☐ Underdrain
☐ Clean Out
☐ Observation Well
Is water present in observation well?
☐ Yes ☐ No Depth: ft
☐ Pond Drain
☐ Other:_____

CONVEYANCE THROUGH BMP
☐ No Defined Channel
☐ Low Flow Channel
☐ Concrete ☐ Eroded ☐ Earthen ☐ Other _____
Length of Shortest Flow Path:_____(ft)

Is BMP designed with a Permanent Pool? ☐ Yes ☐ No

PERFORMANCE

GENERAL PROBLEMS: (check all that apply)

- ☐ Maintenance Needed
- ☐ Water Bypass of Inlet
- ☐ Water Bypass of Outlet
- ☐ Incorrect Flow Paths
- ☐ Short-circuiting of treatment mechanism
- ☐ No or ineffective treatment
- ☐ Ineffective pretreatment
- ☐ Others _____
- ☐ Erosion at Embankments
- ☐ Erosion within Facility
- ☐ Deposition within Facility
- ☐ Inappropriate Ponding of Water
- ☐ Clogged Pond Drain/Underdrain
- ☐ Clogged Media
- ☐ Inappropriate media material
- ☐ Inappropriate underlying soil (infiltration)
- ☐ Permanent Pools not stable
- ☐ Inadequate vegetation
- ☐ Dead or Diseased Vegetation
- ☐ Too many invasive plants
- ☐ Trees on Embankment
- ☐ Failing structural components
- ☐ Safety issue (Note:_____)

WATER QUALITY IN FACILITY: ☐ N/A

Algae	☐ None	☐ Slight	☐ ate	☐ Severe
Odor	☐ None	☐ Slight	☐ ate	☐ Severe
Turbidity	☐ None	☐ Slight	☐ ate	☐ Severe
Color	☐ Normal	☐ Abnormal: _____		

EVIDENCE OF:

- ☐ Geese
- ☐ Animal Burrows
- ☐ Mosquitoes
- ☐ BMP Alteration

PROBLEM		1=NONE	2 - FEW	3 – SEVERAL	4-SEVERE
TRASH		No evidence of trash	A few pieces of trash throughout BMP	Trash accumulation near inlet/outlet	Lots of trash in BMP or BMP used for storage
BMP BANK EROSION		No noticeable erosion	Slight erosion < 5% of bank affected	Moderate erosion ~15% of bank affected	Banks severely eroded, >25% of bank affected
SEDIMENT DEPOSITION		No sediment deposition	Areas of minor sediment deposition	Areas of some deposition, may be severe near inlet/outlets	Lots of deposition resulting in pond bottom clogging
SURFACE SLOPE		0-1% BMP surface slope	1-3% BMP surface slope or steeper slopes with check dams,	3-5% BMP surface slope with no check dams,	>5% surface slope;
SIDE SLOPES		BMP side slopes 3:1 or flatter	BMP side slopes 2:1	Steep BMP side slopes	Risk of side slope failure
STRUCTURAL		No evidence of structural damage	Minor problems (e.g., bank slump, eroded channels)	Moderate structural problems –failure pending	Structural failures (e.g., bank failure, blowout)
VISIBILITY		High visibility, near high-traffic areas	Some visibility, near traffic areas	Limited visibility, near low traffic areas	No visibility, behind buildings or fences
ACCESSIBILITY		Maintained access area for vehicles	Access area designated, but not maintained	Access for vehicles not designated	Access for vehicles not possible
VEG COVER		No mowing in/around BMP	Mowing along BMP edges but areas of no mow in BMP bottom	Mowed turf vegetation	BMP bottom has large areas of bare soil
		Dense plant cover (>75%)	Plant cover, 50-75%	Some plant cover, 25-50%	Sparse vegetative cover (<25%),
VEG HEALTH	TREES	Healthy and established	Slightly stressed	Stressed	Dead
	GROUND COVER	Healthy and established	Slightly stressed	Stressed	Dead
	SHRUBS	Healthy and established	Slightly stressed	Stressed	Dead
	EMERGENT WETLAND	Healthy and established	Slightly stressed	Stressed	Dead

OVERALL PERFORMANCE SCORE (circle one number)

Excellent design and function, no general problems with performance			BMP is well designed, but is undersized or has a few performance problems		BMP is adequately designed, several problems with performance are noted		Poor BMP design, severe performance problems or failure	
10	9	8		6	5	4	3	2	1

FIELD NOTES

GOOD OR INTERESTING DESIGN FEATURES:

PHOTO #'S:

POOR OR PROBLEMATIC DESIGN FEATURES:

PHOTO #'S:

SECTION 3 – DESIGN PLAN VERIFICATION

PLAN AVAILABLE: ☐ As-built ☐ Other: _____

Do field observations match design plans/as-builts? Describe any differences.

Soil type in facility	☐ N/A	☐ Yes	☐ No	If no, describe:
Pretreatment type and size	☐ N/A	☐ Yes	☐ No	If no, describe:
Signage	☐ N/A	☐ Yes	☐ No	If no, describe:
Low-flow channel	☐ N/A	☐ Yes	☐ No	If no, describe:
Dimensions/volume	☐ N/A	☐ Yes	☐ No	If no, describe:
Inlet type, #, and sizing	☐ N/A	☐ Yes	☐ No	If no, describe:
Outlet type, #, and sizing	☐ N/A	☐ Yes	☐ No	If no, describe:
Vegetation composition	☐ N/A	☐ Yes	☐ No	If no, describe:
Other features	☐ N/A	☐ Yes	☐ No	If no, describe: