

RICHMOND COUNTY MOSQUITO CONTROL



DISEASE PREVENTION AND CONTROL

NEW WAY TO LOOK AT STORMWATER



Richmond County Detention Ponds

County & School Board

- Approximately 300
- Inspect every 5 years
- Report to County Administrator
- Report to State EPD
- Renew NPDES permit every 5 years

Private Ponds

- Approximately 600
- Inspect every year
- Report to County Engineer
- Report to State EPD
- Work off one NPDES permit



Stormwater Management Pond Maintenance Inspection Report

Date: _____
 Inspected By: _____
 Address: _____
 Parcel Number: _____
 Outfall No.: _____
 Lat./Long.: _____
 Watershed: _____

Re-inspect Yes ☐ No ☐
 Date Last Inspected: _____
 Owner Information: _____

 Local Contact: _____
 ARC - HSE On Yes ☐ No ☐

INSPECTION ITEMS AND STATUS

Safety Features (Perimeter Fence)	Yes	No	N/A	Notes
Installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Pond Condition

Overgrown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Surface Erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Stagnant water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Free of trash and debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Dam Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Dam cracking, seepage, settlement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Channelized/Entrrenched Flow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Structure Condition

Control Structure Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Control Structure Functional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Trash/debris accumulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Emergency Spillway Clear of Obstruction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Outflow Structure Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Outflow Structure Functional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

In Discharge outlet from pond a Yes ☐ No ☐

Discharge from outlet outlet a Yes ☐ No ☐ [see attached Outfall Inspection Form]

Discharge Pipe Diameter: _____ [inches] _____ [material]

Comments

Time Since Last Rain: < 72 hrs > 72 hrs

Quantity of Last Rain < 0.1 in > 0.1 in

OUTFALL LOCATION AND DESCRIPTION

Parcel Number: _____ Outfall Number: _____

Address: _____

Watershed: _____

Local Watershed Uses: Industrial Commercial Residential

Outfall Material: RCP CMP Plastic Cast Iron Brick Other: _____

Outfall Dimensions: _____

Discharge Observed? _____

VISUAL OBSERVATIONS

Parameter	Description
Color	
Odor	
Oil Sheen	
Floating Solids	
Suspended Solids	
Staining	
Flora	
Fauna	
Structural Condition	

FLOW RATE ESTIMATES

Approximate Velocity: _____ ft/sec

Depth of Water in Channel/Pipe: _____ inches

FIELD ANALYSES

Parameter	Results	Units
Water Temperature		°C
Conductivity		S/cm
pH		
Turbidity		NTU
Fluoride		mg/L
Detergents		mg/L

Laboratory Sample Collected: (Y) (N)

Laboratory Analyses: _____

(See attached laboratory report(s) for results)

ASSEMBLE THE EQUIPMENT

- TRUCK
- ULV SPRAYER
- THERMO FOGGER
- BACK PACK SPRAYER
- TRAILER FOR
- UTILITY VEHICLE
- Hip Waders, Tyvec Suits, other PPE, flashlight,
- Tape measure & chemicals necessary



09/29/2016 11:02



09/29/2016 11:01

ASSEMBLE THE PEOPLE

- TWO FULL TIME
- TWO PART TIME
- ALL YEAR EMPLOYMENT

THE PEOPLE



TRAIN THE PEOPLE







09/12/2016 11:39



09/12/2016 11:20



09/12/2016 11:20



09/12/2016 11:30



09/12/2016 11:31

OK

LETS GET
STARTED



09/14/2016 12:09



09/14/2016 12:09

LETS SEE SOME
RESULTS



Stormwater Management Pond Maintenance Inspection Report

Date: 10-3-2016
 Inspected By: Tyone Brown
 Address: 2825 Georgetown Dr.
 Parcel Number: 098-0-040-04-0
 Outfall Number: _____
 Lat/Long: 33° 25' 27" / 91° 38' 5
 Watershed: Rocky Creek

Re-inspection: Yes ☐ No ☒
 Date Last Inspected: Not Listed
 Owner Information: Lee Partnership LP
P.O. Box 59310
Lexington, KY 40555
 Local Contact: _____
 ABC - MS4 Outfall Yes ☒ No ☐

INSPECTION ITEMS AND STATUS

Safety Features (Perimeter Fence & Gate)	Yes	No	NA	Notes
Installed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>No fence</u>
Intact	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Locked	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pond Condition				
Overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Surface Erosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Small holes on ground</u>
Stagnant water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Free of trash and debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Small amount of trash</u>
Banks Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Spilling is lower than over flow</u>
Data tracking, signage, sediment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Controlled/Extended Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Structure Condition				
Control Structure Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Control Structure Functional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Turbidity accumulation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Small amount around it.</u>
Emergency Spillway Clear of Obstruction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>No bushes around it</u>
Outlet's Operation (Gate)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outlet Structure Functional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is Discharge outlet from pond accessible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Discharge from outlet control structure present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		(see attached Outfall Inspection Form) <u>No water present</u>
Discharge Pipe Diameter: _____ (inches) _____ (meters)				

Comments: Toilet full of dirt needs to be cleaned out. Several
gullholes are back. Spilling is lower than over flow. Small amount
of trash around central structure. Emergency spillway has bushes
around it.

**AUGUSTA-RICHMOND COUNTY
ENGINEERING DEPARTMENT
DRY WEATHER OUTFALL INSPECTION REPORT**

Inspector(s): THOMAS BROWN

Date: 10-3-2016

Time: 1:37 P.M.

Weather: Cloudy

Time Since Last Rain: 72 hrs > 72 hrs

Quantity of Last Rain: 0.1 in > 0.1 in

OUTFALL LOCATION AND DESCRIPTION

Parcel Number: 0960-040-04-0

Outfall Number: _____

Address: 3625 Georgetown Dr

Watershed: Rocky Creek

Local Watershed User: Industrial ☒ Commercial ☐ Residential ☐

Outfall Material: RCP CMP Plastic Cast Iron Brick Other: HDPE

Outfall Dimensions: 12

Discharge Observed? NO - NO water present

VISUAL OBSERVATIONS

Parameter	Description
Color	
Odor	
Oil Sheen	
Floating Solids	
Suspended Solids	
Staining	
Flora	
Fauna	
Structural Condition	

FLOW RATE ESTIMATES

Approximate Velocity: _____ ft/sec

Depth of Water in Channel/Pipe: _____ inches

FIELD ANALYSES

Parameter	Results	Units
Water Temperature		°C
Conductivity		S/cm
pH		
Turbidity		NTU
Fluoride		mg/L
Detergents		mg/L

Laboratory Sample Collected: (Y) (N)

Laboratory Analysis: _____

(See attached laboratory report(s) for results)

WE HAVE NOW COMPLETED

64

INSPECTIONS OF 102 NEEDED BY
12/31/2016

QUESTIONS