



Village of Golf

1 BRIAR ROAD, P.O. BOX 231, GOLF, ILLINOIS 60029-0231, (847) 998-8852

May 28, 2015

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: NPDES Phase II – Year Twelve Annual Report
Village of Golf MS4

To Whom it May Concern:

On behalf of the Village of Golf please find attached the completed IEPA Annual Facility Inspection Report for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) for the Village of Golf with supplemental information.

If you should have any questions or require additional information, please feel free to call me at 847-478-9700 or email pglenn@gha-engineers.com.

Sincerely,
Village of Golf

A handwritten signature in blue ink that reads "Patrick J. Glenn". The signature is fluid and cursive, with the first name "Patrick" and last name "Glenn" clearly legible.

Patrick J. Glenn, P.E.
Village Engineer

cc: Caitlin Burke, Gewalt Hamilton Associates





Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2014 To March, 2015

Permit No. ILR40 0200

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Golf Mailing Address 1: 1 Briar Road
Mailing Address 2: _____ County: Cook
City: Golf State: IL Zip: 60029 Telephone: (847) 478-9700
Contact Person: Patrick Glenn, P.E. Email Address: pglenn@gha-engineers.com
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Cook County Metropolitan Water Reclamation District

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Patrick Glenn

Owner Signature:

Patrick Glenn, P.E.

Printed Name:

5.23.15

Date:

Village Engineer

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

MS4 Annual Facility Inspection Report

**Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II**

Permit Year 12: March 2014 to March 2015

Village of Golf

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Part A. Village Changes to Best Management Practices, Year 12

Information regarding the status of all of the BMPs and measurable goals described in the Village's SWMP is provided in the following table.

Note: X indicates BMPs that were implemented in accordance with the Village's SWMP
✓ indicates BMPs that were changed during Year 12

Year 12	
Village	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 12	
Village	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

No changes were made to the BMPs described in the MS4's SWMP during Year 12.

Part B. Village Status of Compliance with Permit Conditions, Year 12

Stormwater Management Activities, Year 12

The stormwater management activities that the Village performed during Year 12 and the status of each of the BMPs and measurable goals described in the Village's SWMP, as of the end of Year 12, are described below.

A. Public Education and Outreach

The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Golf commits to implementation of BMPs as described below.

BMP No: A.1 Distributed Paper Material

A number of pamphlets and brochures related to BMPs and storm water management have been produced by the IEPA and other regulatory agencies. The Village of Golf makes these publications, at a minimum, available.

Measurable Goal(s): Distribute flyers at Village Hall.

The Village of Golf has developed a flyer to distribute to educate homeowners about ways to improve the quality of storm water runoff. This flyer is available at the Village office.

B. Public Participation/Involvement

The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. The Village of Golf commits to implementation of BMPs as described below.

BMP No. B.4: Public Hearing

The Village of Golf will conduct a public meeting to present each annual report and on its proposed SWMP.

Measurable Goal(s): Present summary of ongoing program implementation (annual report) at public meeting.

The Village did not hold a public hearing during Year 12, but plans to in Year 13.

C. Illicit Discharge Detection and Elimination

The Village of Golf will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the

- names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMP No. C.1: Storm Sewer Map Preparation

The Village has prepared an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Maintain and update outfall map.

The Village has prepared a storm sewer map and will continue to update the storm sewer map as new information becomes available.

BMP No. C.2: Regulatory Control Program

On April 13, 2009 the Village of Golf adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system.

Measurable Goal(s): Continue to enforce the ordinances.

The Village continues to enforce the ordinances and also has an Operations and Maintenance Plan that addresses illicit discharge detection and elimination.

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

Measurable Goal(s): Implement Village Operations and Maintenance Plan and enforce ordinances.

Smoke testing, dye testing and excavations are performed where complaints or backup causes are difficult to locate.

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program.

Measurable Goal(s): Implement Village Operations and Maintenance Plan and enforce ordinances.

The Village of Golf coordinated with the Solid Waste Agency of Northern Cook County to collect waste before it enters the storm system. Numerous collection days and sites

were provided for the disposal of household chemical waste, computers and electronics. Residents are notified of these events via the Village website. The Village has an Operations and Maintenance Plan that addresses illicit discharge detection and elimination.

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field (“reactive investigation”).

Measurable Goal(s): Conduct annual inspection of outfall.

The Village of Golf does not have a Public Works Department and contracts for all preventative maintenance programs. The Village’s storm sewer system contains one outfall to the West Fork of the North Branch of the Chicago River. This outfall is also the Combined Sewer Overflow outfall. This outfall is inspected monthly per the requirements of their IEPA Combined Sewer Overflow permit.

D. Construction Site Runoff Control

The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. D.1: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) for compliance with its Sewer Permit Ordinance.

BMP No. D.2: Erosion and Sediment Control BMPs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD’s Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP D.3: Other Waste Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. D.4: Site Plan Review Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. D.6: Site Inspection/Enforcement Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

E. Post-Construction Runoff Control

As described above, the Village of Golf's Ordinance establishes the minimum storm water management requirements for development in the Village. The Ordinance establishes standards for post-construction site runoff control. The enforcement of the Ordinance implements BMPs under BMP numbers E.2, E.4, E.5 and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. E.2: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.4: Pre-Construction Review of BMP Designs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.5: Site Inspections During Construction

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

BMP No. E.6: Post-Construction Inspections

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

The Village of Golf is landlocked and very little property is available for future development outside of single-family residential homes. The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance.

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. The Village of Golf commits to implementation of BMPs as described below.

BMP No. F.4: Municipal Operations Waste Disposal

The program completed during the original NOI helps ensure a reduction in the amount and type of pollution that results from the waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goals: Review, revise and accept procedures related to this provision by the end of Year 12.

The Village of Golf has an Operations and Maintenance Plan that addresses this issue.

Part C. Village Information and Data Collection Results, Year 12

Year 12 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts.

IDDE Monitoring and Data Collection, Year 12

Information and data that the MS4 collected as part of its illicit discharge detection and elimination program are summarized below.

One stormwater outfall was investigated during Year 12. No dry weather flows were noted, and therefore no potential illicit discharges were identified at this location. The outfall inspection form is located in the Appendix.

Part D. Village Summary of Year 13 Stormwater Activities

The table below indicates the stormwater management activities that the Village plans to undertake during Year 13. Additional information about the BMPs and measurable goals that the Village will implement during Year 13 is provided in the section following the table.

Note: X indicates BMPs that will be implemented during Year 13

Year 13	
Village	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
	A.3 Public Service Announcement
	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 13	
Village	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Please note that the most recent version of IEPA's General NPDES Permit No. ILR40 (Permit) expired on March 31, 2014, and that the new version of the Permit, which will likely be issued during Year 12, has not yet been released to the public. Although it is difficult to accurately predict the changes that IEPA will make to the new version of the Permit, the MS4 remains committed to performing activities related to the six MCMs described in the most recent version of the Permit.

During Year 12, the MS4 plans to continue to perform a variety of stormwater management activities, as described in detail in the MS4's SMPP and in brief below.

A. Public Education and Outreach

The Village of Golf is committing to implementing the Public Education and Outreach component of its Storm Water Management Plan. The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. The Village of Golf commits to implementation of BMPs as described below.

BMP No. A.1: Distributed Paper Material

A number of pamphlets and brochures related to BMPs and storm water management have been produced by the IEPA and other regulatory agencies. The Village of Golf makes these publications, at a minimum, available.

Measurable Goal(s): Distribute flyers at Village Hall.

B. Public Participation/Involvement

The Village of Golf is committing to implementing the Public Participation/Involvement component of its Storm Water Management Plan. The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. The Village of Golf commits to implementation of BMPs as described below.

BMP No. B.4: Public Hearing

The Village of Golf will conduct a public meeting to present each annual report and on its proposed SWMP.

Measurable Goal(s): Present summary of ongoing program implementation (annual report) at public meeting.

C. Illicit Discharge Detection and Elimination

The Village of Golf will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.

- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMP No. C.1: Storm Sewer Map Preparation

The Village has prepared an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Maintain and update outfall map.

BMP No. C.2: Regulatory Control Program

The Village of Golf adopted ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system.

Measurable Goal(s): Continue to enforce the ordinances.

BMP No. C.4: Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented.

Measurable Goal(s): Implement Village Operations and Maintenance Plan and enforce ordinances.

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program.

Measurable Goal(s): Implement Village Operations and Maintenance Plan and enforce ordinances.

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance. Continue to investigate citizen illicit discharge/illegal dumping hotline reports in the field (“reactive investigation”).

Measurable Goal(s): Conduct annual inspection of outfall.

D. Construction Site Runoff Control

The Village of Golf issues building permits for applicable projects after approval is granted by the MWRDGC for compliance with its Sewer Permit Ordinance. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. D.1: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. D.2: Erosion and Sediment Control BMPs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP D.3: Other Waste Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. D.4: Site Plan Review Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. D.6: Site Inspection/Enforcement Procedures

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

E. Post-Construction Runoff Control

As described above, the Village of Golf's Ordinance establishes the minimum storm water management requirements for development in the Village. The Ordinance establishes standards for post-construction site runoff control. The enforcement of the Ordinance implements BMPs under BMP numbers E.2, E.3, E.4, E.5 and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. E.2: Regulatory Control Program

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. E.4: Pre-Construction Review of BMP Designs

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. E.5: Site Inspections During Construction

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

BMP No. E.6: Post-Construction Inspections

Measurable Goal(s): Continue to review plans according to the provisions of the MWRD's Sewer Permit Ordinance.

F. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training

program for municipal employees. The Village of Golf commits to implementation of BMPs as described below.

F.4 Municipal Operations Waste Disposal

The program completed during the original NOI helps ensure a reduction in the amount and type of pollution that results from the waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goals: Implement Village Operations and Maintenance Plan.

Part E. Notice of Qualifying Local Program

N/A

Part F. Village Construction Projects Conducted During Year 12

[illegible]

Appendix

Outfall Inspection Form

Outfall Inspection Data Form

Section 1: Background Data

Watershed: Chicago River, N. Branch West Fork		Outfall ID: 001	
Date: August 8, 2014		Time: 3pm	
Temperature: 75		Inspector(s): PJG	
Previous 72 Hours Precipitation: None		Photos Taken (Y/N) Yes	If yes, Photo Numbers: 1
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Commercial Other: <u>Golf Course</u> Known Industries: _____ <input type="checkbox"/> Open Space <input type="checkbox"/> Institutional			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED	
Storm Sewer (Closed Pipe)	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Clay / drain tile <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/ Dimensions: <u>36 in.</u> Depth: Top Width: Bottom Width:	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input checked="" type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	Open drainage (swale/ditch)	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____		

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	Outfall submerged
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____	Outfall submerged
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	Outfall submerged
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____	No
Pipe algae/growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other: _____	No
Do physical indicators suggest an illicit discharge is present (Y/N): No, outfall is in good condition.			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 5 and Close Illicit Discharge Investigation	
Flow Description	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Sulfide <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other: _____	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other: _____	<input type="checkbox"/> 1-Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1-Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Grease <input type="checkbox"/> Other: _____	<input type="checkbox"/> 1-Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin	<input type="checkbox"/> 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No, outfall is in good condition – no flow present.					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

None. Outfall is through Golf Course, unusual discharge would be noted by staff/patrons

Outfall Inspection Data Form

Photo of outfall 001.

