MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR203166

Appendix

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Village of Ardsley Phase II Stormwater Management Survey

We're trying to clean up all the waters of the United States, including the ones right here in Ardsley – the Saw Mill River and the Sprain Brook.

To help us out, please take a minute to fill out our survey.

1. Keeping more runoff water on your own property is a big help.

Do your roof drains run to a dry well? **Yes___ No___**
Have you put in a dry well in the last five years? **Yes___ No___**
Have you redirected your downspouts onto your lawn or into your garden? **Yes___ No___**
Do you use a rain barrel? **Yes___ No___**
Would you consider using a rain barrel? **Yes___ No___**

Information about rain barrels, rain gardens and more, www.marc.org/Environment/water.

2. Using less pesticide, herbicide and fertilizer on your property keeps them out of our water.

Do you use lawn chemicals sparingly? **Yes___ No___**
Have you replanted some lawn with plants or a rain garden? **Yes___ No___**
Do you use alternative methods (native plants, compost, soil testing)? **Yes___ No___**
Would you consider using alternative methods? **Yes___ No___**

www.grassroots.org is a great resource for alternate methods.

3. We need to use less salt and sand in the winter to keep them out of the water, too.

Do you try to break up your driveway ice instead of salting? **Yes___ No___**
Do your downspouts empty onto the driveway? **Yes___ No___**
Do downspouts empty into the street (water runs down street before getting to drain)? **Yes___ No___**
Have you fixed your leaky gutters so they don't cause icy buildup on the walkways? **Yes___ No___**

These may be problems, so please make a note for fixing them in the spring.

4. Pet waste can be a big source of water pathogens.

Do you always pick up after your dog? **Yes___ No___ I don't have a dog.___**
Do you dispose of the waste in a trash barrel or carry it home for proper disposal? **Yes___ No___**

Never throw pet waste or anything else into the storm drains. They are for runoff water only.

Thanks so much for taking the survey!

Please indicate if you are an Ardsley resident: Yes___ No___

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

June 2008

The Ardsley Villager

A Publication of the Ardsley Village Board of Trustees

STORMWATER NEWS: H_2O = $

Yes, water conservation makes "cents" (sense)! It's expensive to chlorinate our drinkable water and treat wastewater. Here are some summer garden tips: buy hardy, native plants which require less herbicide, pesticide and water, mow lawns less frequently to develop strong roots, don't over water and try using a rain barrel to collect water for your plants. Save money and reduce polluted runoff, too.

The Stormwater Annual Report 2007-8 is now available at www.ardsleyvillage.com, Village Hall and the Library. NYSDEC has issued a new SPDES permit to the Village covering May 1, 2008 to April 30, 2010. Stormwater Management Program continues, Annual Reports in June.

Lastly, looking for a change of scene that's "fuel-friendly"? Visit the Bronx River. There's a great hiking and biking path and two Stormwater spots to visit. Park at the Crestwood RR station in Tuckahoe and walk a few yards north on the trail to the SW Management Demo garden. Also, stop by the County Center parking lot in White Plains and check out progress on conversion to a SW Management Practices Demo. Bronx River clean-up is ongoing and a healthier waterway will benefit all of us. Keep up the good work helping to make our water cleaner and have a great summer!

December 2008

The Ardsley Villager

STORMWATER UPDATE: DON'T "P" ON THE LAWN!

"P" for Phosphorous, that is! The Environmental Subcommittee of the County Board of Legislators is hard at work on regulations to lower the phosphorous content of lawn fertilizer. The law is not yet final, but the message is clear. Too much fertilizer running off lawns is causing algae overgrowth and very poor water quality in our lakes and streams. You can do your part right now by reducing your use of lawn fertilizer and/or asking your landscaper to do so, too.

You can also help out by using less chemical pesticide. ICM (Integrated Cultural Management) is a lawn and garden technique using native plants and grasses, compost "tea" and even beneficial fungi. For more information, go to www.grassrootsinfo.org.

Winter's on its way and we all appreciate the incredible efforts of Highway Dept to keep our roads clear and safe. But our road salt needs a home! We're happy to report that Advanced Storage Technology, which designs salt shed for groups across the State including the NYS Thruway Authority, is busy preparing plans for Ardsley's salt shed on Elm Street. Fish and other aquatic life in the Saw Mill River will cheer this runoff water quality improvement. Expect construction in summer 2009.

It's a good idea to limit home pavement salting as much as possible, too. And it's never too early to plan a spring water quality improvement project. The Village may try a porous pavement application in Bicentennial Park. The pathway may be replaced with a Geogrid system or Flexi-pave, a porous pavement made from recycled tires. Either way, stormwater runoff will get a better chance to get back into the ground.

Watch for Ardsley's Rain Barrel drive coming this spring and thanks for keeping our water cleaner! – Lorraine Kuhn

September 2008

The Ardsley Villager

STORMWATER NEWS: MUDDY WATERS

No, we're not singin' the blues. That is unless your backyard construction project is washing dirt into the street with every rainstorm. The Village has had an Erosion and Sedimentation Control (ESC) Law on the books since 2005. NYSDEC is requiring an update of that Law to ensure certification of SWPPP's (Stormwater Pollution Prevention Plans). Just to check up, you need a SWPPP if your project exceeds one acre, is a teardown of any size, is new construction of any size on a previously undeveloped lot or is part of a multi-unit development project. Make sure your contractor is in compliance.

Last tip of the summer – please don't over-water. We've had plenty of rain. Turn off that automatic sprinkler timer and check that your watering pattern doesn't include the street or driveway.

Fall is coming. Place those leaves in biodegradable bags, and keep our storm drains clear. Thanks for making our water cleaner! -- **Lorraine Kuhn, SWM Asst.**

RECYCLING: Two large plastic blue containers were placed recently in Ashford Park and McDowall Park for use by the general public. It is hoped that these will be the first of several set up around the heavily pedestrian trafficked areas of the Village for bottles and cans particularly near bus stops. Thus far, the ones set up in the parks have proven to be very popular since the DPW has to empty them often. The blue containers were the suggestion of the Environmental Action Committee chaired by Susan Porcino.

THE POOPER SCOOPER LAW

Word has reached our offices that dog walkers are not picking up after their pets. Please be advised that there is a local law prohibiting this action, and that observance of this law is not optional.

Section 190-10 of the Ardsley Village Code states that:

"No person owning, harboring, keeping or in charge of any dog shall cause, suffer, or allow such dog to soil, defile, defecate on, or commit any nuisance on any common thoroughfare sidewalk, passageway, bypath, play area, park, or ay place where people congregate or walk or upon any public property whatsoever or upon any private property without the permission of the owner of said property . . . The person who curbs a dog shall immediately remove all feces deposited by such by any sanitary method . . ."

Therefore, if you are the owner of a dog or in charge of one, please pick up after the pet. No one should have to experience the indignity of stepping into what dogs leave behind on front walks, driveways, or lawns. If a dog or dog owner is causing a nuisance in your neighborhood, please contact the Police Desk (693-1700) immediately. There is little the Police can do once the dogs and their walkers have departed. I thank you in advance for your cooperation in this matter. – **George F. Calvi, Village Manager**

Ardsley Union Free School District

THE CONNECTION

Intergraded Pest Management (IPM) IPM is a process for managing, preventing and suppressing pests with minimal impact on human health, the environment and non-target organisms. IPM incorporates all reasonable measures by properly identifying, monitoring and controlling pests through the use of cultural, physical, biological and chemical control methods to reduce pests to acceptable levels. Pesticides are only used as a last resort, and if pesticides are needed, the lease toxic pest-specific alternative is always selected. It is rare that we have to use a pesticide. There were no pesticides used in any of our buildings last year.

Pesticide Neighbor Notification Law...Section 409-h of the Education Law requires schools to provide a written notice to all parents, guardians and staff at the beginning of each school year that includes the following points:

- Pesticide products may be used periodically throughout the school year.
- Schools are required to maintain a list of parents, guardians and staff who wish to receive 48-hour written advanced notice of an actual pesticide application.
- The name of the school representative to contact for further information.

If you have any pesticide related questions, please call Joseph Urbanowicz, Director of Facilities and Transportation, at 914-693-6300 X 2208. If you would like to register to receive a written notification 48 hours prior to an actual application, please write to Mr. Urbanowicz at Ardsley UFSD, 500 Farm Road, Ardsley, NY 10502 indicating that you would like to be put on a list.

MS4 Annual Report Form

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SPDES ID: NYR20A316

Item : Literature Distribution Log – number of copies taken (3/10/2008 – 3/10/2009)

LOCATION	"After the Storm" (EPA 833 B03002)	"Make Your Home the Solution to SW Pollution" (EPA 833B03003)	"Grassroots Healthy Lawns" (Grassroots/ Westchester County Planning)	"New Req's for Small Construc Projects" (NYSDEC)	"When It Drains" bookmark (Hudson River Estuary)	"Don't Dump, Drains to Saw Mill River" Bumper sticker (SMRC)	"Step by Step" (LI Sound Study EPA)	"Guide to Living in Harmony with Streams" (Chemung County 2006)	"Green Cycle" (Westchester County Planning)	"Geosynthetics for SW Management" (ACF Environmental /Westchester County Planning)	Outreach Letters
Village Hall		5	3	4		7	1				
Library		12	23			3	6	2	5		
SMO										1	
AHS AP Env Sci class	3	3				3		1			
Earth Day Erosion Awareness event		5			13						
League of Women Voters meeting	9										
Business Outreach	11										11
Outfall Testing	4										4

Other items distributed: 17 Village of Ardsley SW Program refrigerator magnets given out at **Eath Day Erosion Awareness event.**

2 Construction BMP posters given out at **LWV meeting.**

1 Construction BMP poster given out during **Outfall Testing.**

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PAGE 2 — THE RIVERTOWNS ENTERPRISE, FRIDAY, MARCH 21, 2008

ANNE MARIE LEONE/RIVERTOWNS ENTERPRISE

Big haul

Boy Scouts, their parents, and members of Ardsley's Highway Department toss bags of trash into the back of a garbage truck after the Scout's annual village-wide cleanup on March 15. The refuse was brought to the village's public library where it was picked up.

Scout Clean up

Bicentennial Planting / Erosion Awareness Event

Before

After

Brownie Scout Planting Event

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

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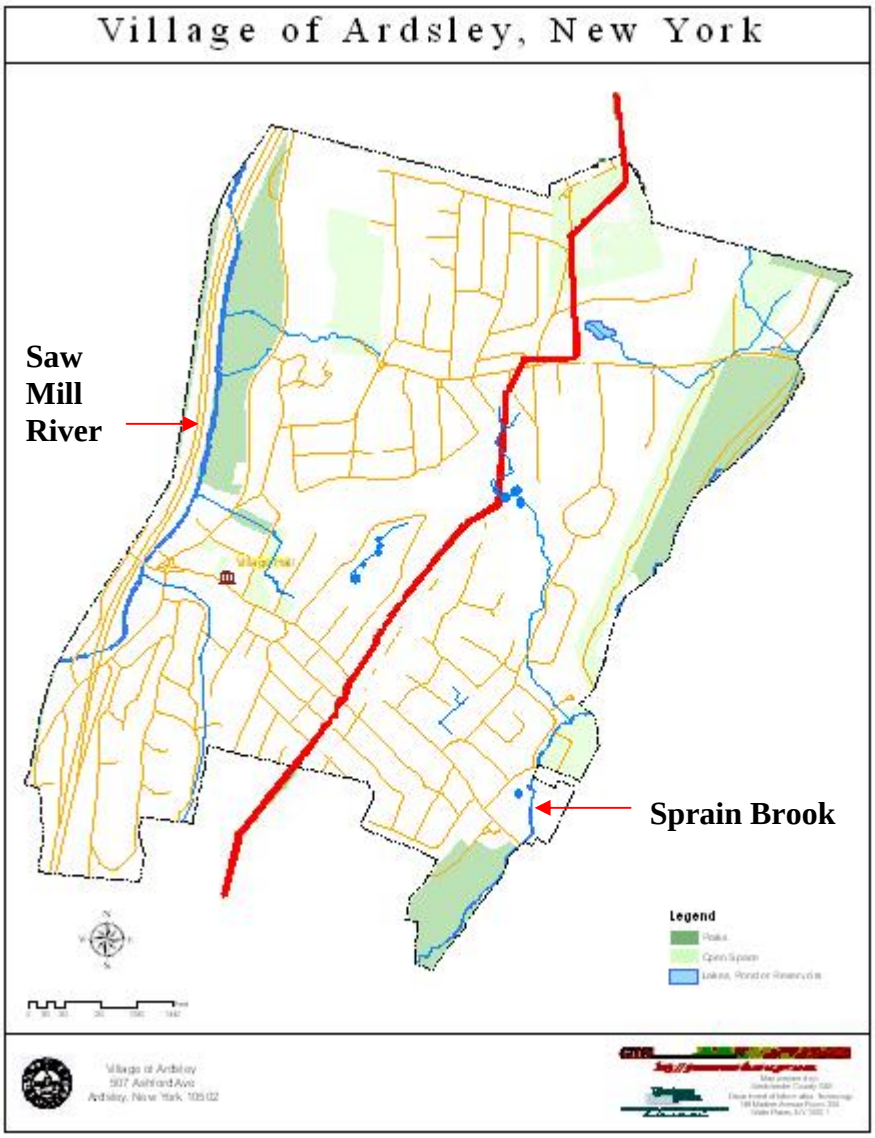
Village of Ardsley Watershed Map



Saw Mill River Watershed:
(H-4 1301-0007, 303d listed)
POC – floatables, chlordane

Bronx River Watershed:
(ER-3 1702-0107, 303d listed)
POC – dissolved oxygen/oxygen demand, pathogens

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed: Spring Brook		Outfall ID: AZ 35	
Today's date: 3/10/2008		Time (Military): 3:47 P.M.	
Investigators: Japinga, Kuhn		Form completed by: JJ Kuhn	
Temperature (°F): 26°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 40° 57.15'	Longitude: W 73° 50.39'	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: Ardsley High School
- Known Industries:

Notes (e.g., origin of outfall, if known): Abington Road

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☑ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other:	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ☑ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 24"	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☑ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☑ Flow #2	Flow depth	3"	In	Tape measure
	Flow width	1' 8"	Ft, In	Tape measure
	Measured length	2' 6"	Ft, In	Tape measure
	Time of travel	7.00, 11.31, 5.44, 7.79, 9.19	S	Stop watch
Temperature		46°	°F	Thermometer
pH		6.5	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

9.31, 9.31 Ave rate = 55.1 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ ND	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ ND	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ ND	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☑	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☑ Other: slight on water	☑ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☑ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐ ND	☐ Excessive ☐ Inhibited	
Poor pool quality	☐ ND	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ ND	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☑ Yes	☐ No	If Yes, type: ☑ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? 4:07 P.M. collected 3/13/2008 12 pm wet: NEGATIVE dry: NEGATIVE 3/17/2008

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed: Saw Mill River		Outfall ID: OF 172 / AZ 17	
Today's date: 3/17/2008		Time (Military): 3:45 P.M.	
Investigators: Japinga, Kuhn		Form completed by: JJ Kuhn	
Temperature (°F): 30°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 41° 00.89	Longitude: W 73° 50.767	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☑ Commercial
- ☑ Open Space
- ☐ Institutional
- Other: DeCicco strip mall, Bicentennial Park
- Known Industries:

Notes (e.g., origin of outfall, if known): Route 9A

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☑ Other: brick lined	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ☑ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 11' 10"	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☐ Moderate ☑ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☑ Flow #2	Flow depth	8"	In	Tape measure
	Flow width	2' 10"	Ft, In	Tape measure
	Measured length	2' 6"	Ft, In	Tape measure
	Time of travel	7.00, 6.75, 6.71, 7.37	S	Stop watch
Temperature		44°	°F	Thermometer
pH		6.0	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

pH 6-9 paper = 6.4 Average = 7.1

6.35, 6.00 Ave rate = 270.3 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ ND	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ ND	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ ND	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☑	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☑ Other: slight on water	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ ND	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☑ Other: Sediment	
Abnormal Vegetation	☐ ND	☐ Excessive ☐ Inhibited	
Poor pool quality	☐ ND	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ ND	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☑ Yes	☐ No	If Yes, type: ☑ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? N/A collected 3/20/2008 11:30 AM wet: POSSIBLE 3/24/2008 dry: trace spots

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data SUNNY

Subwatershed:	BxRiv / Sprain Brook	Outfall ID:	OF 6 / AZ31
Today's date:	3/24/2008	Time (Military):	3:57 P.M
Investigators:	Japinga, Kuhn	Form completed by:	[signature]
Temperature (°F): 32°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 41°01.114'	Longitude: W 73°49.972'	GPS Unit: Garmin etrex	GPS LMK #:
Camera:	Nikon Cool pix	Photo #s:	

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space
☐ Ultra-Urban Residential ☑ Institutional
☑ Suburban Residential Other: AHS
☐ Commercial Known Industries:

Notes (e.g., origin of outfall, if known): Dellwood Lane

Section 2: Outfall Description

LOCATION	MATERIAL		SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ PVC ☐ Steel ☐ Other:	☑ CMP ☐ HDPE	☑ Circular ☐ Eliptical ☐ Box ☐ Other:	☐ Single ☑ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 1'10"	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:		Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)					
Flow Present?	☑ Yes	☐ No	*If No, Skip to Section 5*			
Flow Description (If present)	☑ Trickle	☐ Moderate	☐ Substantial			

Section 3: Quantitative Characterization EAST PIPE → NO FLOW

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☑ Flow #2 WEST PIPE	Flow depth	5"	In	Tape measure
	Flow width	6' 0"	Ft, In	Tape measure
	Measured length	' 10"	Ft, In	Tape measure
	Time of travel	23.63, 20.16, 14.30, 27.06, 20.14	S	Stop watch
Temperature		48	°F	Thermometer
pH		6.5	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

pH 6-8 paper: 6.9 → 29.84, 19.12 Ave rate = 41.89 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only
Are Any Physical Indicators Present in the flow? ☑ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ No	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☑	☐ Clear ☑ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☑ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☑	See severity [illegible]	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☑	☐ Sewage (Toilet Paper, etc.) ☑ Suds [illegible] ☑ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☑ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

SAW SMALL 6" FISH

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls
Are physical indicators that are not related to flow present? ☑ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ no	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐ no	☐ Excessive ☐ Inhibited	
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☑ Excessive Algae ☐ Other:	
Pipe benthic growth	☑	☑ Brown ☑ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☑ Yes	☐ No	If Yes, type: ☑ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? 4:21 P.M. collected 3/28/2008 1:00 PM; wet: NEGATIVE; dry: NEG 3/31/2008

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data SLIGHTLY OVERCAST

Subwatershed:	Saw Mill River	Outfall ID:	AZ 55
Today's date:	5/6/2008	Time (Military):	3:52 PM
Investigators:	Japinga, Kuhn	Form completed by:	[signature]
Temperature (°F): 72°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 41°0.439'	Longitude: W 73°51.049	GPS Unit: Garmin etrex	GPS LMK #:
Camera:	Nikon Coolpix	Photo #s:	

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space
☐ Ultra-Urban Residential ☐ Institutional
☑ Suburban Residential Other: NYS thruway exit
☐ Commercial lots of dumping from thruway Known Industries:

Notes (e.g., origin of outfall, if known): Ridge Road, Almena Ave. However, Ridge Rd outs drain onto 557 Almena. However, not using [illegible] instead of Cl2

Section 2: Outfall Description [illegible] gave out one letter, resident says SD improved [illegible]

LOCATION	MATERIAL		SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ PVC ☐ Steel ☐ Other:	☑ CMP ☐ HDPE	☑ Circular ☐ Eliptical ☐ Box ☐ Other:	☐ Single ☑ Double ☐ Triple ☐ Other: north no flow, south flow	Diameter/Dimensions: 1'	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:		Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)					
Flow Present?	☑ Yes	☐ No	*If No, Skip to Section 5*			
Flow Description (If present)	☐ Trickle	☑ Moderate	☐ Substantial			

Section 3: Quantitative Characterization

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth	3"	In	Tape measure
	Flow width	1' 0"	Ft, In	Tape measure
	Measured length	1' 2"	Ft, In	Tape measure
	Time of travel	2.42, 3.16, 2.35, 2.62, 2.44	S	Stop watch
Temperature		54	°F	Thermometer
pH		6.4 (pH 6-8) 6.5 (meter)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave. rate = 50.4 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only
Are Any Physical Indicators Present in the flow? ☑ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☑	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☑ Other: [illegible] (rotten orange peels)	☐ 1 – Faint	☑ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☑	☐ Clear ☑ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☑	floaty debris See severity	☑ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☑	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☑ Petroleum (oil sheen) ☑ Other: grass clippings dumped	☐ 1 – Few/slight; origin not obvious	☑ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls
Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ NO	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☑ Oily ☑ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐ NO	☐ Excessive ☐ Inhibited	
Poor pool quality	☑	☑ Odors ☐ Colors ☐ Floatables ☑ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	orange slime
Pipe benthic growth	☐ NO	☐ Brown ☐ Orange ☐ Green ☐ Other:	

grass clipping dumped

Section 6: Overall Outfall Characterization

☐ Unlikely ☑ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☐ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☑ Yes	☐ No	If Yes, type: ☑ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? 4:27 P.M collect 5/13/2008 4:30 PM; wet: POSSIBLE; dry: 5/17/2008 NEGATIVE

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

Section 1: Background Data

Subwatershed:	Saw Mill River	Outfall ID:	A251 / OF 135 (SRNN4)
Today's date:	7/7/2008	Time (Military):	4:15 P.M.
Investigators:	Japinga, Kuhn	Form completed by:	J / Kuhn
Temperature (°F):	72°F	Rainfall (in.): Last 24 hours:	0" Last 48 hours: 0.38"
Latitude:	N 41° 01' 62	Longitude:	W 73° 50' 504
GPS Unit:	Garmin eTrex	GPS LMK #:	
Camera:	Nikon Coolpix	Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☑ Institutional — Other: ____
- Known Industries: Concord Rd Elementary

Notes (e.g., origin of outfall, if known): Heatherdell Rd

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☑ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: ____	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ____ / ☑ Single ☐ Double ☐ Triple ☐ Other: ____	Diameter/Dimensions: 3" 3"	In Water: ☑ No ☐ Partially ☐ Fully; With Sediment: ☑ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: ____	☐ Trapezoid ☐ Parabolic ☐ Other: ____	Depth: ____ Top Width: ____ Bottom Width: ____	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☑ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☑ Flow #1	Volume	175, 175, 180, 175, 150, 15	Liter	Bottle
	Time to fill	2.25, 2.59, 2.23, 3.03, 2.13, 23	Sec	
☐ Flow #2	Flow depth	____"	In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		71	°F	Thermometer
pH		6.8 (1-14 6-8 paper)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave rate = 1.06 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ N	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ N	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ N	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐ N	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ N	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐ N	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐ N	☐ Excessive ☐ Inhibited	
Poor pool quality	☐ N	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ N	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☐ No
2.	If yes, collected from:	☐ Flow	☐ Pool
3.	Intermittent flow trap set?	☐ Yes	☐ No If Yes, type: ☑ OilM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

4:37 P.M. Collect 7/14/2008 6 PM
wet: NEG
dry: NEG 7/15/2008

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

5

Weather: Slightly cloudy

Section 1: Background Data

Subwatershed:	Pox Riv / Sprain Brook	Outfall ID:	OF 29 (Sou??)
Today's date:	10/3/2008	Time (Military):	1615
Investigators:	Gourevitch, Kuhn	Form completed by:	Gourevitch
Temperature (°F):	55°	Rainfall (in.): Last 24 hours:	0.01" Last 48 hours: 0.01"
Latitude:	41°01.030 N	Longitude:	73°49.758 W
GPS Unit:	Garmin eTrex	GPS LMK #:	
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☑ Institutional — Other: AHS, Veteran Park
- Known Industries: ____

Notes (e.g., origin of outfall, if known): Jordan Lane, Heatherdell Rd

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☑ PVC ☐ HDPE ☐ Steel ☐ Other: ____	☑ Circular ☐ Elliptical ☐ Box ☐ Other: ____ / Single 5-Flow ☑ Double N-Drip ☐ Triple ☐ Other: ____	Diameter/Dimensions: 6"	In Water: ☑ No ☐ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: ____	☐ Trapezoid ☐ Parabolic ☐ Other: ____	Depth: ____ Top Width: ____ Bottom Width: ____	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☑ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☑ Flow #1	Volume Pail	230, 205, 180, 225, 175	~~Liter~~ ML	Bottle
	Time to fill 5	4.12, 3.84, 3.72, 4.19, 3.51	Sec	
☐ Flow #2	Flow depth	____"	In	Tape measure
	Flow width	____' ____"	Ft, In	Tape measure
	Measured length	____' ____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		59°F	°F	Thermometer
pH		6.2 pH (6-8)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

AVE FLOW RATE = 0.82 gal/min (6.0 (0-14 scale paper)

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☑ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ No	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ No	☑ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ Clear	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐ None	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☑ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ No	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☐ Oily ☐ Flow Line ☐ Paint ☑ Other: Yellow green	
Abnormal Vegetation	☐ None	☐ Excessive ☐ Inhibited	
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other: Yellow/brown	
Pipe benthic growth	☑	☐ Brown ☐ Orange ☐ Green ☐ Other: Algae	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☑ No
2.	If yes, collected from:	☐ Flow	☐ Pool
3.	Intermittent flow trap set?	☑ Yes	☐ No If Yes, type: ☑ OilM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

None

Collected 10/6/2008 4:32 PM
wet: NEGATIVE
10/9/2008 dry: NEGATIVE

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data SUNNY

Subwatershed: SAW MILL RIVER		Outfall ID: AZ3 OF125	
Today's date: 10/17/2008		Time (Military): 1622	
Investigators: GOUREVITCH, KUHN		Form completed by: Jesse Gourevitch	
Temperature (°F): 52°	Rainfall (in.): Last 24 hours: 0.02"	Last 48 hours: 0.02"	
Latitude: 41°00.618'N	Longitude: 73°50.987'W	GPS Unit: GARMIN eTrex	GPS LMK #:
Camera: NIKON COOLPIX		Photo #s: ✓	

Land Use in Drainage Area (Check all that apply):

- [ ] Industrial
- [ ] Ultra-Urban Residential
- [ ] Suburban Residential
- [x] Commercial
- [ ] Open Space
- [ ] Institutional
- Other:
- Known Industries: AUTO BODY SHOP

Notes (e.g.., origin of outfall, if known): ROUTE 9A, catch basin at Auto Body Shop

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe — obstructed pipe w/ propeller	[ ] RCP [ ] CMP [ ] PVC [ ] HDPE [ ] Steel [x] Other: Iron	[x] Circular [ ] Eliptical [ ] Box [ ] Other:	[x] Single [ ] Double [ ] Triple [ ] Other:	Diameter/Dimensions: 1 ft	In Water: [x] No [ ] Partially [ ] Fully; With Sediment: [x] No [ ] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap [ ] Other:	[ ] Trapezoid [ ] Parabolic [ ] Other:		Depth: Top Width: Bottom Width:	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[x] Yes [ ] No	*If No, Skip to Section 5*			
Flow Description (If present)	[x] Trickle [ ] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

PARAMETER		RESULT	UNIT	EQUIPMENT
		FIELD DATA FOR FLOWING OUTFALLS		
[x] Flow #1	Volume	25, 30, 30, 30, 40	mL	Measuring Cup
	Time to fill	35.90, 43.28, 49.72, 48.50, 54.59	Sec	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured length		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		60°F	°F	Thermometer
pH		6.5 (1-14 scale), 6.4 (6-8)	pH Units	Test strip/Probe
Ammonia		1.0	mg/L	Test strip

Ave rate = 0.01 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only
Are Any Physical Indicators Present in the flow? [x] Yes [ ] No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	[x]	[ ] Sewage [ ] Rancid/sour [ ] Petroleum/gas [x] Sulfide [ ] Other:	[ ] 1 – Faint	[x] 2 – Easily detected	[ ] 3 – Noticeable from a distance
Color	[x]	[ ] Clear [x] Brown [ ] Gray [ ] Yellow [ ] Green [ ] Orange [ ] Red [ ] Other:	[x] 1 – Faint colors in sample bottle	[ ] 2 – Clearly visible in sample bottle	[ ] 3 – Clearly visible in outfall flow
Turbidity	[x]	See severity	[x] 1 – Slight cloudiness	[ ] 2 – Cloudy	[ ] 3 – Opaque
Floatables -Does Not Include Trash!!	[ ] None	[ ] Sewage (Toilet Paper, etc.) [ ] Suds [ ] Petroleum (oil sheen) [ ] Other:	[ ] 1 – Few/slight; origin not obvious	[ ] 2 – Some; indications of origin (e.g., possible suds or oil sheen)	[ ] 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls
Are physical indicators that are not related to flow present? [x] Yes [ ] No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	[ ]	[ ] Spalling, Cracking or Chipping [ ] Peeling Paint [ ] Corrosion	Pipe is obstructed by object *
Deposits/Stains	[x]	[ ] Oily [ ] Flow Line [ ] Paint [x] Other: Brown Debris	
Abnormal Vegetation	[ ] None	[ ] Excessive [ ] Inhibited	
Poor pool quality	[ ] None	[ ] Odors [ ] Colors [ ] Floatables [ ] Oil Sheen [ ] Suds [ ] Excessive Algae [ ] Other:	
Pipe benthic growth	[ ]	[ ] Brown [ ] Orange [ ] Green [ ] Other:	obstructed *

* catch basin leading to pipe has leaves and standing water pumps to empty water, obstruction to prevent back flow from SMR

Section 6: Overall Outfall Characterization
[ ] Unlikely [x] Potential (presence of two or more indicators) [ ] Suspect (one or more indicators with a severity of 3) [ ] Obvious

Bodyshop owner says cat drowned in catch basin & he poured bleach in two weeks ago. OBM Neg ∴ bleach dissipated. Decaying leaves & cat may be leading to odor & ammonia result. Re-check recommended.

Section 7: Data Collection

1.	Sample for the lab?	[ ] Yes	[x] No	
2.	If yes, collected from:	[ ] Flow	[ ] Pool	
3.	Intermittent flow trap set?	[x] Yes	[ ] No	If Yes, type: [x] OBM [ ] Caulk dam Time: 1654

collected 10/21/2008 4:30 PM
wet: NEG
dry: NEG 10/24/2008

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
obstruction?

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data SUNNY

Subwatershed: BRONX RIVER / SPRAIN BROOK		Outfall ID: AZ46	
Today's date: 10/24/2008		Time (Military): 1607	
Investigators: GOUREVITCH, KUHN		Form completed by: Jesse Gourevitch	
Temperature (°F): 50°F	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: 41°00.678'W	Longitude: 73°49.999	GPS Unit: Garmin eTrex	GPS LMK #: no landmark #
Camera: Nikon Cool Pix		Photo #s: ✓	

Land Use in Drainage Area (Check all that apply):

- [ ] Industrial
- [ ] Ultra-Urban Residential
- [x] Suburban Residential
- [ ] Commercial
- [ ] Open Space
- [x] Institutional
- Other: Ardsley High School
- Known Industries:

— spoke to resident at Kensington, she said she urged landscapers not to blow leaves into backyard stream

Notes (e.g.., origin of outfall, if known): Abington creek, Dellwood creek. NOTE: 2ft diam. cement pipe (from SD) is dry east of AZ46

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
[x] Closed Pipe	[ ] RCP [ ] CMP [ ] PVC [ ] HDPE [ ] Steel [x] Other: Clay	[x] Circular [ ] Eliptical [ ] Box [ ] Other:	[x] Single [ ] Double [ ] Triple [ ] Other:	Diameter/Dimensions: 10"	In Water: [x] No [ ] Partially [ ] Fully; With Sediment: [x] No [ ] Partially [ ] Fully
[ ] Open drainage	[ ] Concrete [ ] Earthen [ ] rip-rap [ ] Other:	[ ] Trapezoid [ ] Parabolic [ ] Other:		Depth: Top Width: Bottom Width:	
[ ] In-Stream	(applicable when collecting samples)				
Flow Present?	[x] Yes [ ] No	*If No, Skip to Section 5*			
Flow Description (If present)	[ ] Trickle [x] Moderate [ ] Substantial				

Section 3: Quantitative Characterization

PARAMETER		RESULT	UNIT	EQUIPMENT
		FIELD DATA FOR FLOWING OUTFALLS		
[ ] Flow #1	Volume	325, 320, 340, 310, 400	mL 360	Measuring Cup
	Time to fill	5.50", 6.35", 5.81", 6.50", 5.35"	Sec 5.56"	
[ ] Flow #2	Flow depth		In	Tape measure
	Flow width		Ft, In	Tape measure
	Measured length		Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		60°F	°F	Thermometer
pH		6.4 (6-8), 6.5 (0-14)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave rate = 0.94 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only
Are Any Physical Indicators Present in the flow? [x] Yes [ ] No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	[ ] NO	[ ] Sewage [ ] Rancid/sour [ ] Petroleum/gas [ ] Sulfide [ ] Other:	[ ] 1 – Faint	[ ] 2 – Easily detected	[ ] 3 – Noticeable from a distance
Color	[x]	[ ] Clear [x] Brown [ ] Gray [ ] Yellow [ ] Green [ ] Orange [ ] Red [ ] Other:	[x] 1 – Faint colors in sample bottle (very)	[ ] 2 – Clearly visible in sample bottle	[ ] 3 – Clearly visible in outfall flow
Turbidity	[ ] NO	See severity	[ ] 1 – Slight cloudiness	[ ] 2 – Cloudy	[ ] 3 – Opaque
Floatables -Does Not Include Trash!!	[ ] No	[ ] Sewage (Toilet Paper, etc.) [ ] Suds [ ] Petroleum (oil sheen) [ ] Other:	[ ] 1 – Few/slight; origin not obvious	[ ] 2 – Some; indications of origin (e.g., possible suds or oil sheen)	[ ] 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls
Are physical indicators that are not related to flow present? [x] Yes [ ] No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	[x]	[x] Spalling, Cracking or Chipping [ ] Peeling Paint [ ] Corrosion	
Deposits/Stains	[x]	[ ] Oily [ ] Flow Line [ ] Paint [x] Other: Black Sediment	
Abnormal Vegetation	[ ] NO	[ ] Excessive [ ] Inhibited	
Poor pool quality	[x]	[ ] Odors [ ] Colors [ ] Floatables [ ] Oil Sheen [ ] Suds [ ] Excessive Algae [x] Other:	Leaves, little sediment
Pipe benthic growth	[ ] NO	[ ] Brown [ ] Orange [ ] Green [ ] Other:	

Section 6: Overall Outfall Characterization
[x] Unlikely [ ] Potential (presence of two or more indicators) [ ] Suspect (one or more indicators with a severity of 3) [ ] Obvious

Section 7: Data Collection

1.	Sample for the lab?	[ ] Yes	[x] No	
2.	If yes, collected from:	[ ] Flow	[ ] Pool	
3.	Intermittent flow trap set?	[x] Yes	[ ] No	If Yes, type: [x] OBM [ ] Caulk dam set 4:30 PM

collect 10/28/2008 2 PM
wet: NEG
dry: NEG 11/2/2008

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? NO
NO

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed:	Sprain Brook	Outfall ID:	AZ43 / OF47
Today's date:	12/5/2008	Time (Military):	1520
Investigators:	Gourevitch, Kuhn	Form completed by:	Jesse Gourevitch JG/Kuhn
Temperature (°F):	36°F	Rainfall (in.): Last 24 hours:	0" Last 48 hours: 0"
Latitude:	41°00.766' N	Longitude:	73° 50.127' W
GPS Unit:	Garmin etrex	GPS LMK #:	
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☑ Institutional — Other: OLPH / Lycee School
- Known Industries: _____

Notes (e.g., origin of outfall, if known): Sprain Road

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☑ Steel corr. ☐ Other:	☑ Circular ☑ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other: ☐ Other:	Diameter/Dimensions: 24"	In Water: ☑ No ☐ Partially ☐ Fully; With Sediment: ☑ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☐ Moderate ☑ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☒ Flow #1	Volume	2, 2, 2.5, 2.25, 2	Liter	Bottle
	Time to fill	1.53, 2.80, 2.75, 2.69, 2.59	Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	___' ___"	Ft, In	Tape measure
	Measured length	___' ___"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature		48°F	°F	Thermometer
pH		6.2 (6-8), 6.3 (0-14)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ No	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ No	☒ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ No	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☒	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☒ Other: Trash	☒ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☒ Corrosion	Very Slight
Deposits/Stains	☒	☐ Oily ☐ Flow Line ☐ Paint ☒ Other:	Slight flow stain
Abnormal Vegetation	☐ No	☐ Excessive ☐ Inhibited	
Poor pool quality	☐ No	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ No	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) · ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No		
2.	If yes, collected from:	☒ Flow	☐ Pool		
3.	Intermittent flow trap set?	☒ Yes	☐ No	If Yes, type: ☒ OBM	☐ Caulk dam

Time: 15:41

collected 12/11/2008 2:38PM wet NEG dry 12/16/2008 NEG

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

No

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed:	Saw Mill River	Outfall ID:	AZ54 / OF52
Today's date:	11/28/2008	Time (Military):	4:33 PM
Investigators:	KUHN	Form completed by:	JF/Kuhn
Temperature (°F):	47°F	Rainfall (in.): Last 24 hours:	0" Last 48 hours: 0"
Latitude:	N41°00.498'	Longitude:	W73°50.819'
GPS Unit:		GPS LMK #:	
Camera:		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional — Other: _____
- Known Industries: _____

Notes (e.g., origin of outfall, if known): Bramble Brook

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☑ Steel corr ☐ Other:	☐ Circular ☐ Single ☐ Elliptical ☐ Double ☐ Box ☐ Triple ☐ Other: ☐ Other:	Diameter/Dimensions: 33" d	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☑ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☑ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☑ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☑ Flow #2	Flow depth	1"	In	Tape measure
	Flow width	1' 4"	Ft, In	Tape measure
	Measured length	1' 2"	Ft, In	Tape measure
	Time of travel	1.38, 2.58, 3.57, 2.25, 2.53, 1.50	S	Stop watch
Temperature		44°F	°F	Thermometer
pH		6.4	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ No	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐ No	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐ No	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐ No	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ No	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐ No	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐ No	☐ Excessive ☐ Inhibited	
Poor pool quality	☐ No	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ No	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) · ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No		
2.	If yes, collected from:	☐ Flow	☐ Pool		
3.	Intermittent flow trap set?	☐ Yes	☐ No	If Yes, type: ☒ OBM	☐ Caulk dam

4:38 PM

collected: 12/11/2008 10AM wet = NEG dry = NEG 12/9/2008

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

NO

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed: Saw Mill River		Outfall ID: AZ28 / OF 181	
Today's date: 1/9/2009		Time (Military): 2:19 PM	
Investigators: Kuhn		Form completed by: JF Kuhn	
Temperature (°F): 28°F	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 41 01 389	Longitude: W 73 50 1652	GPS Unit: Garmin etrex	GPS LMK #:
Camera: Nikon Cool Pix		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☑ Commercial
- ☐ Open Space
- ☑ Institutional — Other: Woodlands Nursing Home
- Known Industries: Gas Station (north)

NOTE: check add'l pipe N 2084 North 124 west of

Concord Rd. School; Strip Mall

Notes (e.g., origin of outfall, if known): Route 9A — catch basin at 9A → dry

(at rest. basin) scratch basin water level below outlet pipes / N41 01 301 W73 50, 643

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☑ Steel corr ☐ Other:	☑ Circular ☑ Single ☐ Eliptical ☐ Double ☐ Box ☐ Triple ☐ Other: ☐ Other:	Diameter/Dimensions: 24"	In Water: ☑ No ☐ Partially ☐ Fully; With Sediment: ☑ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☐ Yes ☑ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	___' ___"	Ft, In	Tape measure
	Measured length	___' ___"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☑ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 - Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Peeling Paint ☑ Corrosion	Bottom completely rusted out, missing
Deposits/Stains	☐ NO	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☑	☐ Excessive ☑ Inhibited	Heavy Invasives
Poor pool quality	☐ NO	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ NO	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☑ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? LOTS OF TRASH, PIPE BROKEN AT END

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed: Saw Mill River		Outfall ID: OF 182	
Today's date: 1/9/2009		Time (Military): 1:54 PM	
Investigators: Kuhn		Form completed by: JF Kuhn	
Temperature (°F): 28°F	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"	
Latitude: N 41 01 9765	Longitude: W 73 50 731	GPS Unit: Garmin etrex	GPS LMK #:
Camera: Nikon Cool Pix		Photo #s:	

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☑ Institutional — Other: St. Barnabas — Concord Rd School
- Known Industries:

Notes (e.g., origin of outfall, if known): Heathercliff Rd, St Barnabas road drain

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☑ Steel corr ☐ Other:	☑ Circular ☑ Single ☐ Eliptical ☐ Double ☐ Box ☐ Triple ☐ Other: ☐ Other:	Diameter/Dimensions: 18"	In Water: ☑ No ☐ Partially ☐ Fully; With Sediment: ☑ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☐ Yes ☑ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	___' ___"	Ft, In	Tape measure
	Measured length	___' ___"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☑ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 - Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☑	☑ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	slight chipping on end
Deposits/Stains	☑	☐ Oily ☑ Flow Line ☐ Paint ☐ Other:	black stain on side
Abnormal Vegetation	☑	☑ Excessive ☐ Inhibited	invasive vines
Poor pool quality	☐ NO	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐ NO	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☑ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☑ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☑ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? clear vines

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

SUNNY

Section 1: Background Data

Subwatershed:	Sprain Brook / Bx Riv	Outfall ID:	AZ42 / OF46
Today's date:	1/20/2009	Time (Military):	0811
Investigators:	Gouvenitch, Kuhn	Form completed by:	Jesse Gouvenitch
Temperature (°F):	16°F	Rainfall (in.): Last 24 hours:	0" Last 48 hours: 0.02"
Latitude:	41°00.255'N	Longitude:	73°50.130'W GPS Unit: Garmin eTrex GPS LMK #:
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☒ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☒ Institutional
- Other: Lycee
- Known Industries:

Notes (e.g., origin of outfall, if known): Cross Rd.

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☑ Other: cement	☐ Circular ☑ Elliptical ☐ Box ☐ Other: circle w/pan outlet ☑ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 30"	In Water: ☐ No ☑ Partially ☐ Fully; With Sediment: ☐ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☑ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☑ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☑ Flow #2	Flow depth	3"	In	Tape measure
	Flow width	2'	Ft, In	Tape measure
	Measured length	4'	Ft, In	Tape measure
	Time of travel	19.72, 5.41, 7.59, 5.72, 19.12, 10.09,	Stop watch	9.12 =
Temperature		36°F	°F	Thermometer
pH		6.4 (pH-S paper)	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave rate = 8.744 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐ none	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☑	☐ Clear ☒ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☒ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	clear ☐	See severity none	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	none ☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/Slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐ none	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☑	☒ Oily ☐ Flow Line ☐ Paint ☐ Other: oily sheen	leaves, water line stain
Abnormal Vegetation	☒	☐ Excessive ☐ Inhibited	lots of invasive vines
Poor pool quality	☑	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	leaves
Pipe benthic growth	☐ none	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☒ Yes ☐ No	If Yes, type: ☒ OBM ☐ Caulk dam	0933 collected: 4:45 PM 1/26/2009 wet: NEG dry: NEG ↳ blue heron in water

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? NO

OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

SUNNY

Section 1: Background Data

Subwatershed:	Saw Mill River	Outfall ID:	AZ56
Today's date:	1/30/2009	Time (Military):	1516
Investigators:	Gouvenitch, Kuhn	Form completed by:	Jesse Gouvenitch
Temperature (°F):	32°F	Rainfall (in.): Last 24 hours:	0" Last 48 hours: 0"
Latitude:	41°00.439'N	Longitude:	73°51.048'W GPS Unit: Garmin eTrex GPS LMK #:
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional
- Other: NYS Thruway
- Known Industries:

Notes (e.g., origin of outfall, if known): Bramble Brook

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other:	☒ Circular ☐ Elliptical ☐ Box ☐ Other: ☒ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully; With Sediment: ☒ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)			
Flow Present?	☒ Yes ☐ No	If No, Skip to Section 5		
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☒ Flow #2	Flow depth	3"	In	Tape measure
	Flow width	12"	Ft, In	Tape measure
	Measured length	14"	Ft, In	Tape measure
	Time of travel	5.00, 9.72, 7.65, 9.81, 3.19, 3.57, 4.37,	Stop watch	4.59
Temperature		42	°F	Thermometer
pH		6.2	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave rate = 22.1 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☒ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☒	☒ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☒	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☒ Other: Grat bags/trash	☒ 1 – Few/Slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	minimal
Deposits/Stains	☒	☐ Oily ☐ Flow Line ☐ Paint ☒ Other:	stained green
Abnormal Vegetation	☒	☐ Excessive ☒ Inhibited	tree roots/invasive vines
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☒ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☒ Yes ☐ No	If Yes, type: ☒ OBM ☐ Caulk dam	Time: 1538 collected: 2/5/2009 24hr wet: NEG dry: NEG 2/6/2009

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

throughway wall would prevent trash

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed:	Sprain Brook / Bx River	Outfall ID:	AZ 39
Today's date:	1/6/2009	Time (Military):	1527
Investigators:	Gourevitch, Kuhn	Form completed by:	Jesse Gourevitch, [illegible]
Temperature (°F):	17° F	Rainfall(in.): Last 24 hours:	0" Last 48 hours: 0"
Latitude:	41°00.456N	Longitude: 73°50.027W	GPS Unit: Garmin eTrex GPS LMK #:
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☑ Institutional

Other: OLPH School, McDowell Park

Known Industries:

Notes (e.g., origin of outfall, if known): Cross St

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☑ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☑ Steel corr ☐ Other:	☐ Circular ☐ Elliptical ☐ Box ☐ Other:	☑ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 10"	In Water: ☐ No ☐ Partially ☐ Fully; With Sediment: ☐ No ☐ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:		Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☐ Yes ☒ No	If No, Skip to Section 5			
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐ Flow #2	Flow depth		In	Tape measure
	Flow width	___' ___"	Ft, In	Tape measure
	Measured length	___' ___"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

*Catch basin not full – one after storm and 8A below surface. One letter given out to Lyceum Remedy Patient

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☒ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	In Spring and invasive vines
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No
2.	If yes, collected from:	☐ Flow	☐ Pool
3.	Intermittent flow trap set?	☐ Yes ☐ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

No

Outfall Reconnaissance Inventory/ Sample Collection Field Sheet

SUNNY

Section 1: Background Data

Subwatershed:	Sprain Brook	Outfall ID:	AZ 41 / OF 70
Today's date:	2/13/2009	Time (Military):	1518
Investigators:	Gourevitch, Kuhn	Form completed by:	Jesse Gourevitch, [illegible]
Temperature (°F):	39° F	Rainfall(in.): Last 24 hours:	0" Last 48 hours: 0"
Latitude:	41°00.239'N	Longitude: 32°50.095'W	GPS Unit: Garmin eTrex GPS LMK #:
Camera:	Nikon Coolpix	Photo #s:	✓

Land Use in Drainage Area (Check all that apply):

- ☐ Industrial
- ☐ Ultra-Urban Residential
- ☑ Suburban Residential
- ☐ Commercial
- ☐ Open Space
- ☐ Institutional

Other:

Known Industries:

Notes (e.g., origin of outfall, if known): Markwood Ave stream

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☒ Closed Pipe	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☒ Steel ☐ Other:	☒ Circular ☐ Elliptical ☐ Box ☐ Other:	☒ Single ☐ Double ☐ Triple ☐ Other:	Diameter/Dimensions: 3.64	In Water: ☐ No ☒ Partially ☐ Fully; With Sediment: ☐ No ☒ Partially ☐ Fully
☐ Open drainage	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:	☐ Trapezoid ☐ Parabolic ☐ Other:		Depth: Top Width: Bottom Width:	
☐ In-Stream	(applicable when collecting samples)				
Flow Present?	☒ Yes ☐ No	If No, Skip to Section 5			
Flow Description (If present)	☐ Trickle ☒ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS

PARAMETER		RESULT	UNIT	EQUIPMENT
☐ Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☒ Flow #2	Flow depth	2 in	In	Tape measure
	Flow width	___' 12"	Ft, In	Tape measure
	Measured length	___' 24"	Ft, In	Tape measure
	Time of travel	4.53, 4.28, 3.56, 2.91, 3.47, 3.84, 3.89	Stop watch	
Temperature		41° F	°F	Thermometer
pH		6.2	pH Units	Test strip/Probe
Ammonia		0	mg/L	Test strip

Ave rate = 32.96 gal/min

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☒ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☒ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other: lot of leaves	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☒ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☒ Other:	Water line and rust stain
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	Lots of invasive vines
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☒ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1.	Sample for the lab?	☐ Yes	☒ No
2.	If yes, collected from:	☐ Flow	☐ Pool
3.	Intermittent flow trap set?	☒ Yes ☐ No	If Yes, type: ☒ OBM ☐ Caulk dam

Set 3:45 PM collected 2/18/2009 2PM wet: NEG dry: NEG 2/20/2009

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

NO

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2009

If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Catch Basin Head Cleaning **Routes: A = Ashford Ave** **H = Heatherdell Rd** **EV = Entire Village** **PS = "Paper" Streets**		**Bulk Roadside Cleaning Route:** **Entire Village** **(litter and small brush)**	**Bulk Leaf Clean-up**	
ROUTES	**DATE**	**DATE**	**ROUTE**	**DATE**
A	3/5/2008	3/5/2008 – Storm	EV	3/6/2008
H	3/6	3/10 – Storm	EV	3/19
EV	3/18	3/11	McDowell Park	3/25
EV	5/2	3/24	Flood Control Blowoffs	4/4
EV	5/16	3/26	A	4/21
A	5/28	5/5	Flood Control Blowoffs	6/10
H	5/29	5/14	A	6/23
EV	6/20	5/28	H	6/24
EV	7/24	6/11 – Storm	A	9/11
A	8/5	7/24	H	9/12
H	8/6	8/11	EV	10/3
PS	8/11	9/11	EV	10/17
EV	9/29	9/16	EV	11/6
EV	10/28	9/17	EV	11/7
EV	10/14	10/3	EV	11/24
EV	11/13	10/14	EV	12/2
A	12/1	11/11	A	12/5
EV	12/16	11/20	H	12/8
EV	12/19	12/7	EV	12/12
			EV	12/16
			EV	1/5/2009
			EV	1/8
			EV	1/12
			EV	1/16
			EV	1/20
			EV	1/22
			EV	1/26
			EV	2/3
			EV	2/13
			EV	2/17
			EV	2/20
			EV	2/26

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Catch Basin Internal Clean-out

LOCATION	# of BASINS	DATE
Almena Ave (Route #1)	22	10/24/2008
Bramblebrook Rd (Route #2)	18	10/25/2008
Abington Rd (Route #3)	27	10/26/2008
Ashford Ave (Route #4)	16	12/1/1008

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Street Sweeping

Routes: HN = North of Heatherdell Rd
HS = South of Heatherdell Rd
AN = North of Ashford Ave
AS = South of Ashford Ave
BD = Business District, Route 9A/Center St

DATE	ROUTES	DATE	ROUTES
3/5/2008	AN AS BD	9/10	Entire Village - Storm
3/12	HN HS BD	9/17	Entire Village
3/19	AN AS BD	9/25	AN AS BD
4/2	HN HS BD	10/1	HS HN BD
4/9	AN AS BD	10/8	AN BD
4/16	HN HS BD	10/15	AS BD
4/30	AN AS BD	10/22	AN BD
5/7	HN HS BD	10/29	HN HS BD
5/14	AN AS BD	11/5	AN BD
5/21	HN HS BD	11/12	AS BD HS
5/28	AN AS BD	11/19	Entire Village
6/4	AN BD	11/26	Entire Village
6/11	AS HN BD		
6/18	HS AN BD		
6/25	AS BD		
7/2	HN BD		
7/9	AN AS BD		
7/16	HN HS BD		
7/23	AN AS BD		
7/30	HN HS BD		
8/6	AN HN BD		
8/13	AS HS BD		
8/20	AN AS BD		
8/27	HN HS BD		
9/3	AN AS BD		

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Road Repair

Location (St/Cross St)	Material	Amount (tons)	Date of use
Ashford Ave	7F3	3	3/3/2008
Abington Ave	7F3	3	3/6
Euclid/Lincoln/Prospect	7F3	6	3/28
King/Park/Orlando	7F3	3	4/1
Eastern/Western/Plainview	Curb mix	3	4/8
Eastern/Western/Plainview	7F3	4	4/29
Wilmoth/Grandview/Mt View	7F3	4	5/15
Windsong/Agnes Circle	Curb mix	8	5/15
Windsong/Agnes/Markwood	7F3	3	5/19
Ashford/McKinley/Taft	7F3	4	5/30
Elm/Bridge/King	7F3	3	7/9
Fuller/Carriere/Euclid	7F3	3	7/29
Lincoln/Exeter/Kensington	7F3	4	8/12
Overlook/Oakhill	7F3	3	9/4
Ridge/Eastern/Shady/Almena	7F3	4	9/18
Grandview (berm)	Curb mix	2	9/23
Huntley	7F3	3	10/1
Concord/Victoria	7F3	4	12/15

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Road Salt Application

Village (total) or Neighborhood (name)	Amount (tons)	Condition	Date applied
Village	8	Snow	11/30/2008
Village	6	Snow	12/7
Village	10	Snow	12/13
Village	8	Snow	12/14
Village	4	Mop up	12/15
Village	12	Snow	12/19
Village	4	Ice runoff	12/20
Village	2	Ice runoff	12/21
Euclid & Prospect	2	Water line break	12/22
Village	8	Snow	12/24
Village	4	Mop up	12/26
Village	10	Snow	12/31
Village	4	Snow	1/6/2009
Village	15	Snow	1/10
Village	6	Snow	1/15
Village	15	Snow	1/18
Village	10	Snow	1/28
Village	10	Snow	3/2
Various locations	3	Snow	3/3

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
Senior Bus		Routine & Oil change	3/3/2008
Pick up	9	Routine & Oil change	3/4
Pick up	9	Fabricate new fuel line - leak	3/5
Explorer	98	2 new tires	3/11
Crown Vic	95	Replace valve	3/17
Ladder truck	BT	4 new tires	3/24
Jeep	HI	Routine & Oil change	3/26
Senior Bus		Transmission leak	3/31
Pick up	7	Routine & Oil change	4/3
Senior Bus		3 new batteries	4/8
Dump	3	Steam clean	4/8
Payloader	PL	Steam clean	4/10
Packer	15	Routine & Oil change	4/11
Packer	12	Replace axle – leak, Routine & Oil change	4/15
Packer	15	4 new tires	4/16
Packer	8	2 new tires	4/21
Explorer	98	Routine & Oil change, stabilizer	4/22
Ladder truck	BT	Power steering leak	4/23
Pick up	7	Steam clean & undercoat	4/25
Payloader	PL	Steam clean	4/25
Explorer	96	O_2 sensors	4/29
Tractor	JD3	Steam clean	4/30
Pick up	11	Transmission leak	5/5
Ladder	BT	Steering box leak	5/7
Pick up	10	Routine & Oil change	5/9
Crown Vic	95	Power steering pump - leak	5/29
Packer	8	2 new tires	6/2
Charger	PC	Routine & Oil change	6/5
Jeep	H1	2 new tires	6/9
Packer	14	AC & Cooling system leak	6/10
Crown Vic	2013	Catalytic convertors	6/13

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
Crown Vic	2013	Routine & Oil change	6/14
Pick up	4, 9, 11	Wash	6/23
Pick up	6, 10	Wash	6/24
Dump	5	Routine & Oil change	7/1
Packer	14	Wash	7/2
Packer	15	Wash	7/3
Tahoe	2012	Routine & Oil change	7/9
Tractor	JD3	Replace hydraulic pump	7/11
Pick up	11	Replace pump	7/15
Packer	14	2 new batteries & alternator	7/24
Payloader	PL	Transmission reservoir	7/30
Tractor	JD1	Hydraulic leak	8/4
Suburban	2011	Routine & Oil change, brakes	8/12
Crown Vic	BI	Routine & Oil change	8/14
Packer	14	Wash	8/20
Tractor	JD2	Front axle	8/21
Packer	14	Hydraulic leak	8/25
Pick up	11	Fuel line	8/26
Explorer	94	Routine & Oil change	9/2
Dump	1, 5	Wash	9/8
Dump	3	Routine & Oil change	9/18
Packer	14	Routine & Oil change	10/7
Pick up	6	Replace coil	10/9
Explorer	97	Routine & Oil change	10/15
Pick up	10	Brakes, rotors, tie rods	10/24
Pick up	6, 9	New batteries	11/7
Tractor	JD1	Hydraulic hose	11/10
Tahoe	2012	Routine, Oil change, winterize	11/13
Payloader	PL	New batteries	11/21
Pick up	4	New batteries	11/24
Jeep	HW1	Winterize & lube	11/25

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
Crown Vic	2013	4 new tires, routine	12/4
Senior Bus		Routine & Oil change	12/5
Pick up	9	Routine & Oil change	12/10
Pick up	4, 7, 11	Wash	12/24
Dump	1, 3, 5	Wash	12/24
Payloader	PL	Wash	12/24
Explorer	98	New battery	1/8/2009
Dump	1, 2, 3, 5, 7	Wash	1/12
Plow pump	6, 7, 9, 11	Lube	1/13
Dump	3, 4, 6, 7, 9, 11	Wash	1/20
Tractor		Repair front axle leak	1/22
Explorer	96	New battery, 2 new tires	1/27
Crown Vic	BI	2 new tires, Oil change	1/27
Plow	10	Replace piston	2/3
Payloader	PL	Wash, steam clean, lube	2/9
Truck	1, 2, 3, 6, 7	Steam clean, lube	2/10
Truck	5, 9, 11	Steam clean, lube	2/11
Senior Bus		Oil change, lube, preventative maintenance	2/13
Crown Vic	2012	Change gasket & thermostat	2/20
Crown Vic	2011	Oil change & lube	2/24
Truck	1	Change hydraulic lines on spreader and body, steam clean	2/25
Truck	8	Change gasket & hydraulic line on sled	2/26
Truck	8	Steam clean & lube	2/27

MS4 Annual Report Form

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Name of MS4/Coalition: VILLAGE OF ARDSLEY

SPDES ID: NYR20A316

Incident Report

Location (st/cross st)	Description (water main, sewage)	Date incident	Repair (DPW or other)	Date repaired
Hilltop	Sewer back up	3/24/2008	Greenburgh	3/24
Eastern Dr	Flush sewer	3/25	Ardsley DPW	3/25
Heatherdell Rd	Sewer back up	3/31	Greenburgh	3/31
Fairmont	Sewer back up	4/4	Greenburgh	4/4
Eastern Dr	Flush sewer	5/6	Ardsley DPW	5/6
Revolutionary Rd	Sewer back up	6/11	Greenburgh	6/11
Dellwood Ln	Catch basin rebuild	6/26	Ardsley DPW	6/26
Ashford Park	Catch basin rebuild	6/26	Ardsley DPW	6/26
Concord Rd	Catch basin rebuild	6/27	Ardsley DPW	6/27
Eastern Dr	Flush sewer	6/27	Ardsley DPW	6/27
Revolutionary Rd	Sewer back up	7/6	Greenburgh	7/6
Euclid Ave	Catch basin rebuild	7/8	Ardsley DPW	7/8
Elm St	Catch basin rebuild	7/8	Ardsley DPW	7/8
Augustine	Catch basin rebuild 2X	7/9	Ardsley DPW	7/9
Center St	Catch basin rebuild	7/10	Ardsley DPW	7/10
Glen Rd	Catch basin rebuild	7/28	Ardsley DPW	7/28
Abington Rd	Catch basin rebuild	7/29	Ardsley DPW	7/29
Hillside	Sewer back up	7/30	Greenburgh	7/30
Major Appleby	Sewer back up	8/4	Greenburgh	8/4
Lincoln	Catch basin rebuild	8/6	Ardsley DPW	8/6
Eastern Dr	Flush sewer	8/7	Ardsley DPW	8/7
Center St	Sewer back up	8/12	Greenburgh	8/12
Woodlands Ave	Sewer back up	9/8	Greenburgh	9/8
Prospect Ave	Sewer back up	10/15	Greenburgh	10/15
Eastern Dr	Flush sewer	10/16	Ardsley DPW	10/16
Heatherdell	Sewer back up	11/1	Private plumber	11/2
Eastern Dr	Flush sewer	11/24	Ardsley DPW	11/24
Eastern Dr	Flush sewer	12/22	Ardsley DPW	12/22