

MS4 Annual Report Form

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

2	0	1	6
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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

N	Y	R	2	0	A	3	1	6
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STORMWATER UPDATE: "Blue Gold"

"Blue Gold" – that's what fresh potable water is called in much of the world today. Now, even in parts of the US such as California, water has become the most precious commodity. In NY, we are fortunate to still have abundant fresh water. However, some of our local fresh water, fed by our backyard streams, is impaired. The Bronx River/Sprain Brook (BxRiv) and Saw Mill River (SMR) are on the NYSDEC 303d List of Impaired Waters.

<http://www.dec.ny.gov/docs/water/pdf/303dlistfinal2014.pdf>

The Bronx River is a Class C waterbody, whose best uses are fishing

Village Newsletter
July 2015

and recreation. Details can be found at (ID 1702-0107 pp 16 – 18):

<http://www.dec.ny.gov/docs/water/pdf/wiatllisbrer.pdf>

The Saw Mill River is a Class A waterbody, whose best uses are drinking water, fishing and recreation. With suitable treatment, we could actually drink water from the SMR!

Details can be found at (ID 1301-0100 pp 14 – 15):

<http://www.dec.ny.gov/docs/water/pdf/wilhudssawmillriver.pdf>

Impairments to these waterbodies include, among others, pathogens, floatables, pesticide, low oxygen content and sediment. You can help! Picking up after your pet and not littering will reduce pathogens and floatables. Using less garden chemicals and planting bare spots in your yard will reduce pesticide, fertilizer and soil runoff, while helping to solve the pesticide, low oxygen and sediment problems.

Speaking of planting, please visit the new Community Center Garden Beds on the Village website:

<http://www.ardslevillage.com/stormwater-project/pages/community-center-garden-beds-rehabilitation>

Thank you to AHS Environmental Science Club for the native sustainable plant garden beds at the Gazebo in Pascone Park! Plants include Blue Flag Iris, Foam Flower, Cardinal Flower and Scarlet Bee Balm, as well as bronze Coral Bells from the fall. Lastly, watch for a new stormwater video on Cable Access TV coming this summer.

Thanks for making our water cleaner!

- Lorraine Kuhn, SW Management

STORMWATER UPDATE

"Runoff – Important in Flood or Drought"

In times of drought, pollutants can concentrate in our waterbodies. It remains important to keep runoff from less frequent storms as clean as possible. The Village has made some runoff improvements in Bicentennial Park. Previously, the connecting walkway between the upper and lower park areas was strewn with rocks and loose dirt. The erosion rate was 0.5" per year, resulting in a loss of ¼ tons of sediment washing into the nearby Saw Mill River every year! Now that the walkway is paved, that erosion has ceased. Thank you to Larry Nardecchia, PE for his walkway design, and Bucci Contracting, the winning bidder, who did a beautiful job of installing the walkway this past summer. In addition, Larry Nardecchia, Lorraine Kuhn and SW Intern Melvin Ward Johns just finished installing terraced planting beds alongside the walkway. Planting of native sustainable flowering plants

Village Newsletter
December 2015

and shrubs is planned for spring 2016.

Stormwater Management Program presentations for Ardsley Middle School 8th grade Earth Science students were presented in October. Thank you to Mr. Walsh, Mr. Ryan and students. Thank you to "Ardsley Cares" for their Annual Village Cleanup event.

December is your last chance to repair and redirect gutters and downspouts to avoid icy impervious pavements in winter. Less icing helps to cut down on salt use, and keeps salt out of runoff to our fresh water Saw Mill and Bronx Rivers. Also, it's a last chance to put in some daffodil and tulip bulbs, and mulch leaves before the winter freeze. Those flowers will be a welcome sight in spring, and give you incentive to cover garden bare spots with plants.

Thanks for making our water cleaner!

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Literature and Item Distribution Log (3/9/2015 to 3/9/2016)										
Item	Village Hall	Library	AMS Env Program	AHS Env Sci mtg & Planting	Enviro-scape Program	Ardsley Hist Soc Program	SD Mapping Team	Business Outreach		
"Soln to Poll" (EPA)	3									
"SW Regs Construc Industry" (DEC)	9									
"Water Quality" (United Water Suez)	5									
"Life Waters Edge" (DEC HREP)		2								
"Backyd Compost" (County Planning)	5	9								
LELENY.org handout	14	7							14	
"Water Sense" (EPA)		4								
"Lawn Pesticides" (Cit Camp Env)	3									
"Bees in Crisis" (EcoBeneficial)		4								
"Planting Guide" (EcoBeneficial)		4								
Go Native U (SUNY WCC)		5								
"Green Lawn Blue Water" (LWV)	5	2								

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	Village Hall	Library	AMS Env Program	AHS Env Sci mtg & Planting	Enviro-scape Program	Ardsley Hist Soc Program	SD Mapping Team	Business Outreach
Item								
"Go Native" guide (County Parks)	5	7		13				
Flower pots with Cnflwr seed (VofA)				6				
"Hud Riv Fish" (NYSDOH)		2						
"Step by Step" (County Planning)		2						
"Clean Water" bookmarks (EPA)		2						
When it Rains bookmarks (HRE)		3			142			
"Pet Biobaggies" (County Planning)	16	22						
SW Reference Cards (Ardsley SW)			63	20		14		
SD Mapping letter (Ardsley SW)							9	
Village Sanitation Calendar (Village of Ardsley)	1450							

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FRIDAY, AUGUST 7, 2015 THE RIVERTOWNS ENTERPRISE — PAGE 9

Teen plumbs Saw Mill River's biodiversity

By Ilana Goldstein

Students in Ardsley High School's Science Research Program have earned numerous accolades since the course was introduced in 2013. Now, rising senior Emily Lakić's work has made new inroads, with a local focus. The early results of her investigation into the "Macroinvertebrate Assemblage in Macy Park of the Saw Mill River" were published July 3 in the online National High School Journal of Science after review by high school students, undergraduates and a research scientist.

"I examined a drainage pipe in the river and I looked above and below the pipe — so, upstream and downstream — and I looked at the benthic and the drift invertebrate assemblages and I wanted to compare them to see which side was more stable, to see whether the drainage pipe had any effect on either side," Lakić said.

At the study site, a pipe near the baseball field in Macy Park, the macroinvertebrate community showed consistent and significant differences above and below the pipe, except in the month of August. These disparities were consistent with the perception that substances coming from the pipes can affect the community's distribution at various points in the river. The pipe siphons storm water runoff into the river.

Lakić chose to examine the Saw Mill River because of its proximity. "It's close to home, so it's really cool," she said. The area itself has not been studied in depth before. Before conducting the experiment, Lakić pored over journal articles and commented that "there was honestly nothing" written about the Saw Mill. "It was definitely great to start this by myself because I didn't have a baseline."

She worked in Macy Park in Ardsley from June to August of 2014. "As you move down south, it gets more polluted. The particular section I looked at, it's not as polluted as it is in Yonkers. I wanted to see if it's getting more polluted," she said.

However, Lakić could not directly test for pollution's effects on the community's circulation. Reproductive rates typically drop during the summer months and contribute to the disparity. Financial limitations did not permit Lakić to test directly for pollutants' presence and impact on the macroinvertebrate community.

In late May, AHS science research adviser Diana Evangelista commented that Lakić's project was one of the more impressive experiments produced by the juniors. "Emily designed her own protocol, worked extensively in the Saw Mill River, and did



Emily Lakić collects water samples from the Saw Mill River at V.E. Macy Park.

everything. It was all very organic — it wasn't just like a lab was doing it. Also, [among the juniors,] there was a lack of interest in biodiversity, and Emily brought a new passion to the table."

Lakić's passion for environmental science is reflected in the dedication she brings to the field and to the lab. "It's so much fun. I do it all by myself. It's cool to see all the assemblages in the jar," she said.

This summer, Lakić is studying the effect of construction site runoff from the drainage pipe below the Waterwheel, which will include 17 affordable units and five workforce units, on the invertebrate assemblages in that part of the Saw Mill River. This study site is north of the pipe by the baseball field. At the end of the study, she will compare the diversity and data of that

part of the river to the data she collected in 2014. "It's an extension of my work from last summer and a continued examination of pollution's effect on the river," she said.

To remedy the growing problem of pollution in the Saw Mill River, Lakić said that "members of the community should consider where we place the drainage pipes." She added that "It might be hard for everyone to agree where we should place them along the river, but if they think it through and look at each section and see what's healthy and what's not, it will help monitor how they place and manage the drainage pipes."

Her study's publication has not been brought to Westchester County's attention yet, but Lakić is optimistic of future results. She smiled and concluded that, for the Saw Mill, "change would be great."

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FRIDAY, AUGUST 7, 2015

Points of View

FROM THE EDITOR

The other river

“Mighty” is often used to describe the Hudson River. The Hudson is 315 miles long. Its widest point, at Haverstraw Bay, is 3 1/2 miles. Boats and ships of all sizes, including tankers and tugs, travel its tidal waters every day. By 2018, motorists, pedestrians and cyclists will cross the Hudson on a new twin-span bridge now under construction.

In contrast, the Saw Mill River is far less “mighty.” The Saw Mill is narrow and shallow. It meanders alongside a parkway. It passes through areas of dense asphalt and concrete, where residents dump all sorts of trash along its banks. Finally, it flows into the Hudson, without fanfare, at an inlet in Yonkers.

Compared to the Hudson, the Saw Mill’s fan base is small. In recent years, however, it has grown.

To the east of that inlet, the Saw Mill is the centerpiece of Yonkers’ downtown, which is undergoing the most dramatic transformation of any area in Westchester County. The river had been encased inside a tunnel, under a parking lot, for almost a century. Now it flows through a park that was built in place of that lot. Construction of additional parkland is underway.

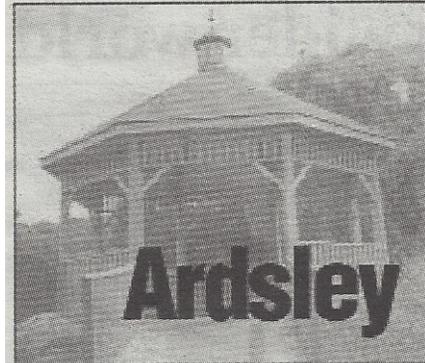
The Saw Mill’s ecosystem has long been a focus of Groundwork Hudson Valley, a nonprofit based in Yonkers that includes numerous Rivertowns residents among its staff and board members. Groundwork organizes the annual Great Saw Mill River Cleanup as well as free-a-tree events to remove invasive vines from along the river’s banks.

The health of the river is also receiving renewed attention, as reported in this issue of the Enterprise. The Hudson’s watchdog organization, Riverkeeper, is joining the Sarah Lawrence College Center for the Urban River at Beczak to lead a new water monitoring effort. Samples from 16 sites will be collected every other week and tested for pollutants.

This week’s issue also includes a story about Emily Latic, a soon-to-be-senior at Ardsley High School, who is studying the Saw Mill’s macroinvertebrate organisms at V.E. Macy Park. Her impressive work focuses on the impact of runoff from outflow pipes.

Respect for the Saw Mill River is on the rise. That respect is overdue. So far, water testing is yielding disturbing results. Sources of fecal contamination must be identified and curbed. Rivers should not be used as toilets, especially rivers that lack the tidal “flush” of the Hudson. The Saw Mill deserves as much attention as the “mighty” river into which it empties.

PAGE 8 —
THE RIVERTOWNS ENTERPRISE
FRIDAY, MAY 8, 2015



Happenings

“Native Plant Demo” tomorrow (May 9), 10 a.m.-1 p.m., with the Ardsley High School Environmental Science Club planting native perennial plants at the gazebo in Pascone Park. Information about the benefits of native plants, including how they improve runoff water quality, will be available. Co-sponsored by Village of Ardsley Stormwater Management Program.

The Rivertowns Enterprise

05 08 2015

The Rivertowns Enterprise 08 07 2015

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FRIDAY, OCTOBER 9, 2015 THE RIVERTOWNS ENTERPRISE — PAGE 13

Letters to the Editor

Drug Take-Back Day nets 119 pounds of prescription medication in Ardsley

To the Editor:

The Ardsley SAYF Coalition would like to thank the community for participating in the National Prescription Drug Take-Back Day, Saturday, Sept. 26. A total of 119 pounds of medication was brought to our collection site for the event. Additionally, during the past year we collected 226 pounds of medication, bringing this year's total to 345 pounds of medication collected and disposed of by the federal Drug Enforcement Administration (DEA). Proper disposal of medications is offered to the community by the SAYF Coalition to protect our community from abuse by limiting access to unused and unwanted medication.

As a reminder, anyone can take any of their unwanted medications to the Ardsley Police Station (507 Ashford Ave., Ardsley) seven days a week, 24 hours a day, and simply drop them in the MedReturn box located in the lobby (no syringes or liquids are accepted

in the dropbox). No one will ask any questions about the medications you are disposing. To ensure that your privacy is further protected, we recommend that you remove or cross out any personal identifying information that might be on the packaging, such as your name, address, phone number or prescription number, before depositing the medication in the MedReturn unit. The medications collected in the MedReturn unit are taken by the Ardsley Police to a DEA-approved facility for proper disposal.

Remember, eliminating the presence of unused prescription and over-the-counter drugs in the home will help to prevent abuse of these substances.

Thanks again for all of your support. For more information about the Ardsley SAYF Coalition, visit www.ardsleycoalition.com.

Theresa Del Grosso

Coordinator, Ardsley SAYF Coalition

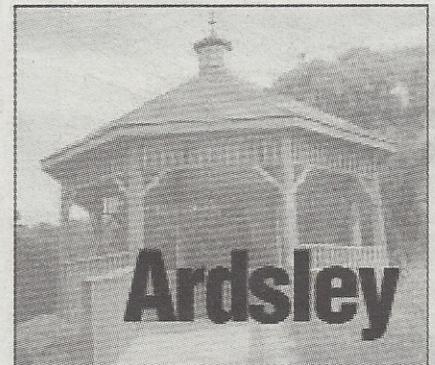
The Rivertowns Enterprise 10 09 2015

The Rivertowns Enterprise
09 18 2015

PAGE 8

THE RIVERTOWNS ENTERPRISE

FRIDAY, SEPTEMBER 18, 2015



Happenings

The Ardsley SAYF Coalition teams up with the police department and the Drug Enforcement Administration to host a **Prescription Drug Giveback Day** next Saturday, Sept. 26, at village hall, 507 Ashford Ave., 10 a.m.-2 p.m. Bring unwanted, unused and expired prescriptions or over-the-counter drugs (but no syringes) for proper disposal.

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Scout Cleanup 04 04 2015



Ardsley Cares Cleanup
10 25 2015

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CONCORD ROAD ELEMENTARY SCHOOL
 Ardsley Union-Fresh School District
 2 Concord Road
 Ardsley, New York 10502
 Ph: 914-297-0600 - Fax: 914-297-0477

Melissa Szymanski, Principal
mszymanski@crs.k12.ny.us

Jennifer Darling, Assistant Principal
jdarling@crs.k12.ny.us

February 26, 2016

Stormwater Management
 507 Railroad Avenue
 Ardsley, NY 10502

Dear Mrs. Kuhn:

Thank you for again sharing your expertise with our fourth grade students at Concord Road School. For the last eight years, our students have really benefited from spending time with a stormwater management expert. Each year a new group of fourth graders have learned about the importance of preserving our local fresh water bodies. Your Environmental model helps them to make a connection between what we do and the impact on our water environment. Your interactive presentation gives the students a real opportunity to visualize how our runoff can affect our water supply.

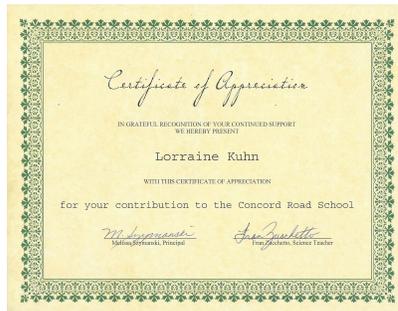
We truly appreciate the fact that you take the time to address one fourth class at a time. This assures understanding and offers a greater opportunity for student questions.

Your time with us is a valuable experience for our students.

Sincerely,

M. Szymanski
 Melissa Szymanski

"At Concord Road Elementary School, we believe in fostering a respectful environment that nurtures creativity, encourages perseverance and inspires motivation to learn."



Concord Road Elementary School 4th Grade Enviroscape Program 02 2016

5 Things You Can Do:

#1 Save a tree



www.sawmillrivercoalition.org
www.groundworkhv.org

5 Things You Can Do:

#2 Clean up



www.ardsleycares.org

5 Things You Can Do:

#3 ALWAYS recycle



5 Things You Can Do:

#4 Pick up after your pets



5 Things You Can Do:

#5 Become an engineer



Ardsley Middle School
Earth Science
SW Program 10 2015

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N Y R 2 0 A 3 1 6

*** NEW PERENNIAL GARDEN BEDS *
at the Pascone Park Gazebo**

Iris versicolor
Blue Flag
Height 2 to 3 ft
Blooms May to Aug
Moist soil
Sun, part shade



**NATIVE
SUSTAINABLE
GARDENING**



Tiarella cordifolia
Foam Flower
Height 1 to 3 ft
Blooms Apr to July
Moist soil
Shade



Lobelia cardinalis
Cardinal Flower
Height 3 to 6 ft
Blooms May to Oct
Moist to wet soil
Sun, shade

- native, non-invasive plants
- little or no watering
- little or no fertilizer or pesticide

Monarda didyma
Scarlet Bee Balm
Height 2 to 4 ft
Blooms May to Oct
Moist to wet soil
Sun, part shade



Planting Event : May 9, 2015 AHS Environmental Science Club



Mr. Larkin
AHS
Env Sci
Club
Advisor



Ellen
plants
&
Ariane
waters



Planting success will be evaluated in Spring 2016



Mayor
Percino

Co-sponsored by:
AHS Environmental Science Club
Village of Ardsley SW Management

Rep. Shimsky
&
Tr. Kaboolian



For more info:
<http://plants.usda.gov>
<http://www.wildflower.org>

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N Y R 2 0 A 3 1 6

Subwatershed: Saw Mill River		Outfall ID: AZ 2			
Today's date: 3/2/15		Time: 6:15 AM			
Investigator: Evans, Kuhn		Form completed by: (signature)			
Temperature (°F): 78		Rainfall (in.): Last 24 hours: 0.07			
Latitude: 41.00 637		Longitude: 73.50 981			
Camera: Samsung Mega		GPS Unit: Garmin etrex			
Land Use in Drainage Area (Check all that apply): Industrial		Photo #:			
Ultra-Urban Residential		Open Space			
Suburban Residential		Institutional			
X Commercial		Other: Known Industries: Auto Body			
Notes (e.g., origin of outfall, if known): Route 9A					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	RCP	X CMP	X Circular	Single Diameter/Dimensions: 2"	
	X PVC	HDPE	Elliptical		In Water: X No Partially Fully
	Steel	Box	Triple		
Other:	Other:	Other:			
Open drainage	Concrete	Earthen	Trapezoid	Depth: Top Width: Bottom Width:	
	Parabolic				
	rip-rap				
Other:	Other:	Other:			
In-Stream (applicable when collecting samples):				Temp	
Flow Present?	Yes	X No	IF No, Skip to Section 5	pH	
Flow Description (if present)	Trickle	Moderate	Substantial	Ammonia	
FIELD DATA FOR FLOWING OUTFALLS					
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT	
Flow #1	Volume	Liter		Stop watch	
	Time to fill	Sec		Stop watch	
Flow #2	Flow depth	ft, in		Tape measure	
	Flow width	ft, in		Tape measure	
AVE RATE =	Measured length	ft, in		Tape measure	
	Time of travel	Sec		Stop watch	

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	N/A	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected 3 - Noticeable from a distance
Color	N/A	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/A	See severity	1 - Slight cloudiness	2 - Cloudy 3 - Opaque
Floatables - Does Not Include Trash!	N/A	Sewage (Toilet Paper, etc.) Sludg Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible nuts or oil sheen) 3 - Some; origin clear (e.g., obvious oil nuts, or floating sanitary materials)
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	Iron pipe missing, replaced by 2 PVC pipes	
Deposits/Stains	No	Only Flow Line Paint Other: rust		
Abnormal Vegetation	Slight	Excessive Inhabited		
Poor pool quality	No	Odors Colors Excessive Algae Other:		
Pipe benthic growth	No	Brown Orange Green Other:		
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?	Yes	X No	If Yes, type: OBM Canki dam	
Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Collected: Wet: Dry:				



Subwatershed: Saw Mill River		Outfall ID: AZ 6			
Today's date: 3/2/15		Time: 8:15 AM			
Investigator: Evans, Kuhn		Form completed by: (signature)			
Temperature (°F): 75		Rainfall (in.): Last 24 hours: 0.07			
Latitude: 41.00 697		Longitude: 73.50 945			
Camera: Samsung Galaxy Note		GPS Unit: Garmin etrex			
Land Use in Drainage Area (Check all that apply): Industrial		Photo #:			
Ultra-Urban Residential		Open Space			
Suburban Residential		Institutional			
X Commercial		Other: Restaurant, Bakery, Auto Body, Medical Building Known Industries:			
Notes (e.g., origin of outfall, if known): Bramble Brook					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	RCP	X CMP	X Single	Diameter/Dimensions: 33"	
	PVC	HDPE	Double		In Water: No X Partially Fully
	Steel	Box	Triple		
Other:	Other:	Other:			
Open drainage	Concrete	Earthen	Trapezoid	Depth: Top Width: Bottom Width:	
	Parabolic				
	rip-rap				
Other:	Other:	Other:			
In-Stream (applicable when collecting samples):				Temp	
Flow Present?	Yes	X No	IF No, Skip to Section 5	pH	
Flow Description (if present)	Trickle	Moderate	Substantial	Ammonia	
FIELD DATA FOR FLOWING OUTFALLS					
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT	
Flow #1	Volume	Liter		Stop watch	
	Time to fill	Sec		Stop watch	
Flow #2	Flow depth	ft, in		Tape measure	
	Flow width	ft, in		Tape measure	
AVE RATE =	Measured length	ft, in		Tape measure	
	Time of travel	Sec		Stop watch	

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	No	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected 3 - Noticeable from a distance
Color	Brown standing water	Clear X 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/A	See severity	1 - Slight cloudiness	2 - Cloudy 3 - Opaque
Floatables - Does Not Include Trash!	N/A	Sewage (Toilet Paper, etc.) Sludg Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible nuts or oil sheen) 3 - Some; origin clear (e.g., obvious oil nuts, or floating sanitary materials)
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	Brown sediment	Only X Flow Line Paint Other:		
Abnormal Vegetation	Slight	Excessive Inhabited		
Poor pool quality	Yes	Odors Colors Excessive Algae Other: Sediment		
Pipe benthic growth	No	Brown Orange Green Other:		
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?	Yes	X No	If Yes, type: OBM Canki dam	
Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Collected: Wet: Dry:				



Subwatershed: Saw Mill River		Outfall ID: AZ 13			
Today's date: 02/11/2015		Time: 2:35 PM			
Investigator: Evans, Kuhn		Form completed by: (signature)			
Temperature (°F): 70		Rainfall (in.): Last 24 hours: 0"			
Latitude: 41.00 697		Longitude: 73.50 945			
Camera: Samsung Mega		GPS Unit: Garmin etrex			
Land Use in Drainage Area (Check all that apply): Industrial		Photo #:			
Ultra-Urban Residential		Open Space			
Suburban Residential		Institutional			
X Commercial		Other: Restaurants, Pet Grocers, Tire Store, Hardware Store Known Industries:			
Notes (e.g., origin of outfall, if known): Route 9A?					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	RCP	X CMP	X Single	Diameter/Dimensions: 20"	
	PVC	HDPE	Double		In Water: No X Partially Fully
	X Steel	Box	Triple		
Other:	Other:	Other:			
Open drainage	Concrete	Earthen	Trapezoid	Depth: Top Width: Bottom Width:	
	Parabolic				
	rip-rap				
Other:	Other:	Other:			
In-Stream (applicable when collecting samples):				Temp	
Flow Present?	Yes	X No	IF No, Skip to Section 5	pH	
Flow Description (if present)	Trickle	Moderate	Substantial	Ammonia	
FIELD DATA FOR FLOWING OUTFALLS					
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT	
Flow #1	Volume	Liter		Stop watch	
	Time to fill	Sec		Stop watch	
Flow #2	Flow depth	ft, in		Tape measure	
	Flow width	ft, in		Tape measure	
AVE RATE =	Measured length	ft, in		Tape measure	
	Time of travel	Sec		Stop watch	

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	n/a	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected 3 - Noticeable from a distance
Color	n/a	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/a	See severity	1 - Slight cloudiness	2 - Cloudy 3 - Opaque
Floatables - Does Not Include Trash!	n/a	Sewage (Toilet Paper, etc.) Sludg Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible nuts or oil sheen) 3 - Some; origin clear (e.g., obvious oil nuts, or floating sanitary materials)
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	Only Flow Line Paint Other: rust		
Abnormal Vegetation	Yes	Excessive X Inhabited		
Poor pool quality	n/a	Odors Colors Excessive Algae Other:		
Pipe benthic growth	No	Brown Orange Green Other:		
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?	Yes	X No	If Yes, type: OBM Canki dam	
Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Collected: Wet: Dry:				



MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2016
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

SPDES ID

N Y R 2 0 A 3 1 6

Name of MS4/Coalition Village of Ardsley

Subwatershed: Saw Mill River		Outfall ID: AZ 14		Outfall Reconnaissance Sheet	
Today's date: 04/27/2015		Time: 1:40 PM			
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>			
Temperature (°F): 41°		Rainfall (in.): Last 24 hours: 0" Last 48 hours: 1.55"			
Latitude: 41.00718°		Longitude: -73.50852°		GPS Unit: Garmin etrex GPS LMK #: _____	
Camera: Samsung Mega		Photo no.:			
Land Use in Drainage Area (Check all that apply):		Open Space			
Industrial		X Institutional			
Ultra-Urban Residential		Other: Known Industries: Laundromat, Dry Cleaners, Restaurant			
Suburban Residential					
X Commercial					
Notes (e.g., origin of outfall, if known): Route 9A					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	X RCP CMFP	X Circular	X Single	Diameter/Dimensions: 30"	In Water: No X Partially Fully
	PVC HDPE	Elliptical	Double		
	Steel	Box	Triple		With Sediment: No X Partially Fully
	Other:	Other:	Other:		
Open drainage	Concrete	Trapezoid	Depth:		
	Earthen rip-rap	Parabolic	Top Width:		
	Other:	Other:	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		
METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT	
Flow #1	Volume		Liter		
	Time to fill		Sec	Stopwatch	
Flow #2	Flow depth	0" 2"	Ft. In	Tape measure	
	Flow width	1' 0"	Ft. In	Tape measure	
AVE RATE =	Measured length	1' 0"	Ft. In	Tape measure	
46.08 gal/min	Time of travel	1.52", 1.79", 1.56"	Sec	Stopwatch	

INDICATOR		CHECK if Present		DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sulfide	Other:	Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	Clear	Brown Gray Yellow		1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle	3 - Clearly visible in outfall flow
Turbidity	Clear	Green	Orange Red	Other:	1 - Slight cloudiness	2 - Cloudy	3 - Opaque
Floatables - Does Not Include Trash!!	Oil sheen	Sewage (Toilet Paper, etc.)	Sludge	Other:	1 - Few/light or not obvious	2 - Some indications of origin (e.g., possible mud or oil sheen)	3 - Some origin clear (e.g., obvious oil suds, or floating sanitary materials)
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/Slimes	No		Oil	Flow Line	Paint	Other:	
Abnormal Vegetation	Yes		X Excessive	Inhibited			
Poor pool quality	Trash, leaves		Odors	Colors	Floatables	Oil Sheen	
Pipe benthic growth	No		Suds	Excessive Algae	Other:		

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 No
 2. If yes, collected from: Flow Pool
 3. Intermittent flow trap set? X Yes 1:45 PM No If Yes, type: X OBM Cank dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)? No
 Collected: 1/15/2016 1:00 PM
 Wet: NEG
 Dry: NEG 1/18/2016



Subwatershed: Saw Mill River		Outfall ID: AZ 19		Outfall Reconnaissance Sheet	
Today's date: 04/27/2015		Time: 2:35 PM			
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>			
Temperature (°F): 45°		Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"			
Latitude: 41.00837°		Longitude: 073.50739°		GPS Unit: Garmin etrex GPS LMK #: _____	
Camera: Samsung Mega		Photo no.:			
Land Use in Drainage Area (Check all that apply):		X Open Space			
Industrial		X Institutional			
Ultra-Urban Residential		Other: Macy's, Motel, Dry Cleaner, Restaurant			
Suburban Residential		Known Industries: Macy's, Restaurants, Dry Cleaners, Concord Rd School			
Notes (e.g., origin of outfall, if known):					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	X RCP CMFP	X Circular	X Single	Diameter/Dimensions: 30"	In Water: No X Partially Fully
	PVC HDPE	Elliptical	Double		
	Steel	Box	Triple		With Sediment: No X Partially Fully
	Other:	Other:	Other:		
Open drainage	Concrete	Trapezoid	Depth:		
	Earthen rip-rap	Parabolic	Top Width:		
	Other:	Other:	Bottom Width:		
In-Stream	(applicable when collecting samples)				
Flow Present?	Yes	X No	IF No, Skip to Section 5		
Flow Description (if present)	Trickle	Moderate	Substantial		
METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT	
Flow #1	Volume		Liter		
	Time to fill		Sec	Stopwatch	
Flow #2	Flow depth	" "	Ft. In	Tape measure	
	Flow width	" "	Ft. In	Tape measure	
AVE RATE =	Measured length	" "	Ft. In	Tape measure	
gal/min	Time of travel	" "	Sec	Stopwatch	

INDICATOR		CHECK if Present		DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sulfide	Other:	Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	N/A	Clear	Brown Gray Yellow		1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle	3 - Clearly visible in outfall flow
Turbidity	N/A	Green	Orange Red	Other:	1 - Slight cloudiness	2 - Cloudy	3 - Opaque
Floatables - Does Not Include Trash!!	No	Sewage (Toilet Paper, etc.)	Sludge	Other:	1 - Few/light, or not obvious	2 - Some indications of origin (e.g., possible mud or oil sheen)	3 - Some origin clear (e.g., obvious oil suds, or floating sanitary materials)
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/Slimes	Water line		Oil	X Flow Line	Paint	Other:	
Abnormal Vegetation	No		Excessive	Inhibited			
Poor pool quality	N/A		Odors	Colors	Floatables	Oil Sheen	
Pipe benthic growth	No		Brown	Orange	Green	Other:	

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? Yes X No If Yes, type: OBM Cank dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)? No
 Collected: _____
 Wet: _____
 Dry: _____



Subwatershed: Saw Mill River		Outfall ID: AZ 23		Outfall Reconnaissance Sheet	
Today's date: 03/11/2015		Time: 3:13 AM			
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>			
Temperature (°F): 32°		Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"			
Latitude: 41.01118°		Longitude: -73.50733°		GPS Unit: Garmin etrex GPS LMK #: _____	
Camera: Samsung Galaxy Note		Photo no.:			
Land Use in Drainage Area (Check all that apply):		X Open Space			
Industrial		X Institutional			
Ultra-Urban Residential		Other: Known Industries: Macy's, Restaurants, Dry Cleaners, Concord Rd School			
Suburban Residential					
X Commercial					
Notes (e.g., origin of outfall, if known): Route 9A					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED	
X Closed Pipe	X RCP CMFP	Circular	X Single	Diameter/Dimensions: 36" X 36" X 12"	In Water: X No Partially Fully
	PVC HDPE	Elliptical	Double		
	Steel	X Box	Triple		With Sediment: No X Partially Fully
	Other:	Other:	Other:		
Open drainage	Concrete	Trapezoid	Depth:		
	Earthen rip-rap	Parabolic	Top Width:		
	Other:	Other:	Bottom Width:		
In-Stream	(applicable when collecting samples)				
Flow Present?	Yes	X No	IF No, Skip to Section 5		
Flow Description (if present)	Trickle	Moderate	Substantial		
FIELD DATA FOR FLOWING OUTFALLS					
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)		EQUIPMENT
Flow #1	Volume		Liter		Bucket
	Time to fill		Sec		Stop watch
Flow #2	Flow depth	" "	Ft. In		Tape measure
	Flow width	" "	Ft. In		Tape measure
	Measured length	" "	Ft. In		Tape measure
	Time of travel	" "	Sec		Stop watch

INDICATOR		CHECK if Present		DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	N/A	Sewage/Rancid/sour	Other:	Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	N/A	Clear	Brown Gray Yellow		1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle	3 - Clearly visible in outfall flow
Turbidity	N/A	Green	Orange Red	Other:	1 - Slight cloudiness	2 - Cloudy	3 - Opaque
Floatables - Does Not Include Trash!!	N/A	Sewage (Toilet Paper, etc.)	Sludge	Other:	1 - Few/light, or not obvious	2 - Some indications of origin (e.g., possible mud or oil sheen)	3 - Some origin clear (e.g., obvious oil suds, or floating sanitary materials)
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/Slimes	No		Oil	Flow Line	Paint	Other:	
Abnormal Vegetation	No		Excessive	Inhibited			
Poor pool quality	N/A		Odors	Colors	Floatables	Oil Sheen	
Pipe benthic growth	Yes		Brown	Orange	Green	Other: weeds	

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? Yes X No If Yes, type: OBM Cank dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)? No
 Collected: _____
 Wet: _____
 Dry: _____



MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2016
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

SPDES ID
N Y R 2 0 A 3 1 6

Name of MS4/Coalition Village of Ardsley

Subwatershed: Saw Mill River		Outfall ID: AZ 14		
Today's date: 1/12/2016		Time: 1:12 PM		
Investigator: Kuhn		Form completed by: <i>(Signature)</i>		
Temperature (°F): 41°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 1.55"		
Latitude: 41.01130	Longitude: 73.50747	GPS Unit: Garmin etrex	GPS LMK #:	
Camera: Samsung Mega		Photo #:		
Land Use in Drainage Area (Check all that apply): Industrial Ultra-Urban Residential Suburban Residential X Commercial		X Open Space Institutional Other: Known Industries: Macy Park, Dry Cleaners, Restaurant		
Notes (e.g., origin of outfall, if known): <i>Horizontal Road</i>				
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
Closed Pipe	RCP CMP	Circular	Simple	In Water: No X Partially Fully With Sediment: No Partially Fully
	PVC HDPE	Elliptical	Double	
	Steel	Box	Triple	
Other:		Other:	Other:	
X Open drainage	Concrete	Trapezoid	Depth: 10"	
	Earthen	Parabolic	Top Width: 8' 3"	
	X rip-rap	Other: Rectangle	Bottom Width: 8' 3"	
Other:		Other:		
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	
METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	Stop watch
Flow #2	Flow depth	0" 3"	Ft. In	Tape measure
	Flow width	2" 6"	Ft. In	Tape measure
	AVERAGE RATE =	Measured length 1' 0"	Ft. In	Tape measure
45.1 gal/min	Time of travel	3.81", 4.00", 4.63"	Sec	Stop watch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Are Any Physical Indicators Present in the flow? Yes No

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sewage Rancid/soar Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	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!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other:	1 - Few/light; origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

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	Oil X Flow Line Paint Other:	
Abnormal Vegetation	No	Excessive Inhabited	
Poor pool quality	No	Odors Colors Excessive Algae Sulfide Other:	Floatables Oil Sheen
Pipe benthic growth	No	Brown Orange Green Other:	

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	No
2. If yes, collected from:	Flow	Pool
3. Intermittent flow trap set?	X Yes 1:31 PM	No

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No
 Collected: 1/15/2016 1:30 PM
 Wet: NEG
 Dry: NEG 1/18/2016



Subwatershed: Saw Mill River		Outfall ID: AZ 30		
Today's date: 7/21/2015		Time: 8:10 AM		
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>		
Temperature (°F): 74°	Rainfall (in.): Last 24 hours: 0.07"	Last 48 hours: 0.07"		
Latitude: -41.09173	Longitude: -073.50645	GPS Unit: Garmin etrex	GPS LMK #:	
Camera: Samsung Galaxy Note		Photo #:		
Land Use in Drainage Area (Check all that apply): Industrial Ultra-Urban Residential X Suburban Residential Commercial		X Open Space Institutional Other: Ardsley Public Library Known Industries:		
Notes (e.g., origin of outfall, if known): <i>Park Avenue</i>				
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	RCP CMP	X Circular	X Simple	In Water: No X Partially Fully With Sediment: No Partially Fully
	PVC HDPE	Elliptical	Double	
	Steel	Box	Triple	
Other:		Other:	Other:	
Open drainage	Concrete	Trapezoid	Depth:	
	Earthen	Parabolic	Top Width:	
	X rip-rap	Other:	Bottom Width:	
Other:		Other:		
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	
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	Stop watch
Flow #2	Flow depth	0" 1"	Ft. In	Tape measure
	Flow width	1" 2"	Ft. In	Tape measure
	Measured length	3" 0"	Ft. In	Tape measure
	Time of travel	2.03", 2.31", 2.06", 2.06", 2.03"	Sec	Stop watch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Are Any Physical Indicators Present in the flow? Yes No

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sewage Rancid/soar Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	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!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other:	1 - Few/light; origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

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	Oil X Flow Line Paint Other:	
Abnormal Vegetation	No	Excessive Inhabited	
Poor pool quality	No	Odors Colors Excessive Algae Sulfide Other:	Floatables Oil Sheen
Pipe benthic growth	No	Brown Orange Green Other:	

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

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No
 Collected: 7/23/2015 4:00 PM
 Wet: NEG
 Dry: NEG 7/24/2015



Subwatershed: Spring Brook Six River		Outfall ID: AZ 31		
Today's date: 8/28/2015		Time: 8:13 AM		
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>		
Temperature (°F): 77°	Rainfall (in.): Last 24 hours: 0"	Last 48 hours: 0"		
Latitude: -41.01115	Longitude: -73.49567	GPS Unit: Garmin etrex	GPS LMK #:	
Camera: Samsung Galaxy Note		Photo #:		
Land Use in Drainage Area (Check all that apply): Industrial Ultra-Urban Residential X Suburban Residential Commercial		X Open Space Institutional Other: Known Industries:		
Notes (e.g., origin of outfall, if known): <i>Dellwood Lane</i>				
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	RCP CMP	X Circular	Simple	In Water: No X Partially Fully With Sediment: No Partially Fully
	PVC HDPE	Elliptical	X Double	
	Steel	Box	Triple	
Other:		Other:	Other:	
Open drainage	Concrete	Trapezoid	Depth:	
	Earthen	Parabolic	Top Width:	
	X rip-rap	Other:	Bottom Width:	
Other:		Other:		
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 (west pipe only, no flow in east pipe)	
PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume	125, 160, 130, 150, 139	Liter	Bottle
	Time to fill	2:45, 2:53, 3:03, 3:13, 3:56 / 5:53, 8:28, 9:59, 9:34, 9:50	Sec	0.92 gal/min
Flow #2	Flow depth	-	Ft. In	(NOTE: Two flows measured & summed for total flow rate)
	Flow width	-	Ft. In	Tape measure
	Measured length	-	Ft. In	Tape measure
	Time of travel	-	Sec	Stop watch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Are Any Physical Indicators Present in the flow? Yes No

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	slight	Sewage Rancid/soar Sulfide Other: grease & duck faces	X 1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	clear	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!	some	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other: algae, feathers	1 - Few/light; origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

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	Yes	Oil X Flow Line Paint Other: algae	inactive vines
Abnormal Vegetation	slight	Excessive Inhabited	
Poor pool quality	Yes	Odors Colors Excessive Algae Sulfide Other:	Floatables Oil Sheen
Pipe benthic growth	Yes	Brown Orange X Green Other:	leaves at outfall moss

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

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No
 Collected: 8/28/2015 9AM
 Wet: NEG
 Dry: NEG 8/30/2015



MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2016
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

SPDES ID

Name of MS4/Coalition Village of Ardsley

N Y R 2 0 A 3 1 6

Subwatershed: Sprain Brook/ Bx Riv		Outfall ID: AZ 32	
Caden's date: 04/13/2015		Time: 2:30 PM	
Investigator: Evgin, Kuhn		Form completed by: <i>(signature)</i>	
Temperature (°F): 41		Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"	
Latitude: 41 01 05		Longitude: 73 49 24	
Camera: Samsung Mega		GPS LMK #:	
Land Use in Drainage Area (Check all that apply): Industrial		Open Space	
Ultra-Urban Residential		X Institutional	
X Suburban Residential		Other: AHS Known Industries:	
Commercial		Notes (e.g., origin of outfall, if known): Delwood Retention Pond	

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
Closed Pipe	RCP	CMP	Circular	Single
	PVC	HDPE	Elliptical	Double
	Steel		Box	Triple
	Other:		Other:	Other:
X Open drainage	Concrete		Trapezoid	Opening in wall Depth: N/A Top Width: N/A Bottom Width: N/A
	Earthen		Parabolic	
	X rip-rap		Other: irregular	
	Other:			
In-Stream	(applicable when collecting samples)			
Flow Present?	X Yes	No	IF No, Skip to Section 5	
Flow Description (if present)	Trickle		Moderate	X Substantial

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Measuring cup
	Time to fill		Sec	Stopwatch
	Flow depth	4"	ft. in.	Tape measure
Flow #2	Flow width	20"	ft. in.	Tape measure
	Flow velocity	30"	ft. in.	Tape measure
AVE RATE =	Measured length	30"	ft. in.	Tape measure
183.1 gal/min	Time of travel	3.56, 3.33, 4.22, 3.19, 3.09, 2.82	Sec	Stopwatch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET
 Are Any Physical Indicators Present in the flow? Yes No

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

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	Yes	Oily Flow Line Paint Other: algae	
Abnormal Vegetation	Yes	X Excessive Inhabited	
Poor pool quality	Yes	Odors Solids Colors X Excessive Algae	Floatables Oil Sheen Other:
Pipe benthic growth	Yes	X Brown Orange X Green Other:	Brown long filamentous algae Bright green shortie algae

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 No
 2. If yes, collected from: Flow Pool
 3. Intermittent flow trap set? X Yes 2:53 PM No If Yes, type: X OBM Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?
 Collected: 4/15/2015 10 AM
 Wet: NEG
 Dry: NEG 4/19/2015



Subwatershed: Bronx River/Sprain Brook		Outfall ID: AZ 34	
Caden's date: 03/30/2015		Time: 4:00 PM	
Investigator: Evgin, Kuhn		Form completed by: <i>(signature)</i>	
Temperature (°F): 43		Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"	
Latitude: 41 01 05		Longitude: 73 49 24	
Camera: Samsung Mega		GPS LMK #:	
Land Use in Drainage Area (Check all that apply): Industrial		Open Space	
Ultra-Urban Residential		X Institutional	
X Suburban Residential		Other: AHS Known Industries:	
Commercial		Notes (e.g., origin of outfall, if known):	

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	RCP	X CMP	X Circular	X Single
	PVC	HDPE	Elliptical	Double
	Steel		Box	Triple
	Other:		Other:	Other:
Open drainage	Concrete		Trapezoid	Depth: Top Width: Bottom Width:
	Earthen		Parabolic	
	rip-rap		Other:	
	Other:			
In-Stream	(applicable when collecting samples)			
Flow Present?	X Yes	No	IF No, Skip to Section 5	
Flow Description (if present)	Trickle		Moderate	X Substantial

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Stopwatch
	Time to fill		Sec	Stopwatch
	Flow depth	1m	ft. in.	Tape measure
Flow #2	Flow width	40m	ft. in.	Tape measure
	Flow velocity	30m	ft. in.	Tape measure
AVE RATE =	Measured length	30m	ft. in.	Tape measure
603.3 gal/min	Time of travel	2.84, 2.96, 3.94, 2.66, 3.10	Sec	Stopwatch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET
 Are Any Physical Indicators Present in the flow? X Yes No

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

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	corrosion	Spalling Cracking or Chipping Peeling Paint X Corrosion	Bottom of pipe rusted out
Deposits/Stains	Flow line rust algae	Oily Flow Line Paint Other: rust	
Abnormal Vegetation	No	Excessive Inhabited	
Poor pool quality	No	Odors Solids Colors Excessive Algae	Floatables Oil Sheen Other:
Pipe benthic growth	No	Brown Orange Green Other:	

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 No
 2. If yes, collected from: Flow Pool
 3. Intermittent flow trap set? X Yes 4:31 PM No If Yes, type: X OBM Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No
 Collected: 4/1/2015 3 PM
 Wet: NEG
 Dry: NEG 4/12/2015



Subwatershed: Sprain Brook/ Bx Riv		Outfall ID: AZ 35	
Caden's date: 02/23/2015		Time: 01:10 PM	
Investigator: Evgin, Kuhn		Form completed by: <i>(signature)</i>	
Temperature (°F): 36		Rainfall (in.): Last 24 hours: 0.1" Last 48 hours: 0.1"	
Latitude: 41 01 05		Longitude: 73 49 24	
Camera: Samsung Mega		GPS LMK #:	
Land Use in Drainage Area (Check all that apply): Industrial		Open Space	
Ultra-Urban Residential		X Institutional	
X Suburban Residential		Other: AHS Known Industries:	
Commercial		Notes (e.g., origin of outfall, if known): Abington Road	

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	X RCP	X CMP	X Circular	X Single
	PVC	HDPE	Elliptical	Double
	Steel		Box	Triple
	Other:		Other:	Other:
Open drainage	Concrete		Trapezoid	Depth: Top Width: Bottom Width:
	Earthen		Parabolic	
	rip-rap		Other:	
	Other:			
In-Stream	(applicable when collecting samples)			
Flow Present?	X Yes	No	IF No, Skip to Section 5	
Flow Description (if present)	Trickle		Moderate	Substantial

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	Stopwatch
	Time to fill		Sec	Stopwatch
	Flow depth	0"	ft. in.	Tape measure
Flow #2	Flow width	0"	ft. in.	Tape measure
	Flow velocity	1"	ft. in.	Tape measure
AVE RATE =	Measured length	1"	ft. in.	Tape measure
6.05 gal/min	Time of travel	5.40, 4.78, 3.82, 5.69, 5.34	Sec	Stopwatch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET
 Are Any Physical Indicators Present in the flow? Yes No

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

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	sunken	Spalling Cracking or Chipping Peeling Paint Corrosion	
Deposits/Stains	Silt	Oily Flow Line Paint Other:	Mad, rocks, decaying trash from storm drain
Abnormal Vegetation	No	Excessive Inhabited	
Poor pool quality	Silt	Odors Solids Colors Excessive Algae	Floatables Oil Sheen Other:
Pipe benthic growth	No	Brown Orange Green Other:	Filled with silt and trash

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 No
 2. If yes, collected from: Flow Pool
 3. Intermittent flow trap set? X 3:00 pm Yes No If Yes, type: X OBM Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No
 Collected: 6/24/2015 3 PM
 Wet: NEG
 Dry: NEG



MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2016
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

SPDES ID

Name of MS4/Coalition Village of Ardsley

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Subwatershed: Bronx River/Sprain Brook		Outfall ID: AZ40
Today's date: 1/24/2015		Time completed by: <i>evans/6/6/16</i>
Investigators: Evans, Kuhn		Form completed by: <i>evans/6/6/16</i>
Temperature (°F): 39°	Rainfall (in.) Last 24 hours: 0.1"	Last 48 hours: 0.29"
Latitude: 41.00350	Longitude: -73.90111	GPS Unit: Garmin etrex
Camera: Samsung Galaxy Note		Photo #:
Land Use in Drainage Area (Check all that apply): Industrial: <input type="checkbox"/> Open Space: <input type="checkbox"/> Ultra-Urban Residential: <input checked="" type="checkbox"/> Institutional: <input checked="" type="checkbox"/> X Suburban Residential: <input checked="" type="checkbox"/> Other: OLPH School Commercial: <input type="checkbox"/> Known Industries: <input type="checkbox"/>		

Outfall Reconnaissance Sheet

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	X RCP CMP	X Circular	X Single	In Water: X No Partially Fully Fully
	PVC HDPE	Elliptical	Double	
	Steel	Box	Triple	
Open drainage	Concrete	Trapezoid	Depth:	With Sediment: X No Partially Fully Fully
Earthen	Parabolic	Top Width:		
rip-rip	Other:	Bottom Width:		

Temp	45	°F
pH	7.8	units
Ammonia	0	mg/l

PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume	Liter	21.81 gal/min	Bottle
	Time to fill	Sec		Stop watch
Flow #2	Flow depth	ft. in.		Tape measure
	Flow width	ft. in.		Tape measure
	Measured length	ft. in.		Tape measure
	Time of travel	Sec		Stop watch

Subwatershed: Sprain Brook / Bronx River		Outfall ID: AZ41
Today's date: 1/15/2015		Time completed by: <i>evans/6/6/16</i>
Investigators: Evans, Kuhn		Form completed by: <i>evans/6/6/16</i>
Temperature (°F): 43°	Rainfall (in.) Last 24 hours: 0"	Last 48 hours: 0"
Latitude: 41.00350	Longitude: -73.90111	GPS Unit: Garmin etrex
Camera: Samsung Galaxy Note		Photo #:
Land Use in Drainage Area (Check all that apply): Industrial: <input type="checkbox"/> Open Space: <input type="checkbox"/> Ultra-Urban Residential: <input checked="" type="checkbox"/> Institutional: <input checked="" type="checkbox"/> X Suburban Residential: <input checked="" type="checkbox"/> Other: OLPH School Commercial: <input type="checkbox"/> Known Industries: <input type="checkbox"/>		

Outfall Reconnaissance Sheet

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	X RCP CMP	X Circular	X Single	In Water: X No Partially Fully Fully
	PVC HDPE	Elliptical	Double	
	Steel	Box	Triple	
Open drainage	Concrete	Trapezoid	Depth:	With Sediment: X No Partially Fully Fully
Earthen	Parabolic	Top Width:		
rip-rip	Other:	Bottom Width:		

Temp	45	°F
pH	7.8	units
Ammonia	0	mg/l

PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume	Liter	21.81 gal/min	Bottle
	Time to fill	Sec		Stop watch
Flow #2	Flow depth	ft. in.		Tape measure
	Flow width	ft. in.		Tape measure
	Measured length	ft. in.		Tape measure
	Time of travel	Sec		Stop watch

Subwatershed: Sprain Brook/Bx River		Outfall ID: AZ 44
Today's date: 8/20/2015		Time: 8:12 AM
Investigators: Evans, Kuhn		Form completed by: <i>evans/6/6/16</i>
Temperature (°F): 87°	Rainfall (in.) Last 24 hours: 0"	Last 48 hours: 0"
Latitude: 41.99214	Longitude: -73.90132	GPS Unit: Garmin etrex
Camera: Samsung Galaxy Note		Photo #:
Land Use in Drainage Area (Check all that apply): Industrial: <input type="checkbox"/> Open Space: <input type="checkbox"/> Ultra-Urban Residential: <input type="checkbox"/> Institutional: <input type="checkbox"/> X Suburban Residential: <input checked="" type="checkbox"/> Other: Construction site (Sprain Road), Greenburgh DPW Commercial: <input type="checkbox"/> Known Industries: Landscape Nursery		

Outfall Reconnaissance Sheet

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
X Closed Pipe	RCP X CMP	X Circular	X Single	In Water: X No Partially Fully Fully
	PVC HDPE	Elliptical	Double	
	Steel	Box	Triple	
Open drainage	Concrete	Trapezoid	Depth:	With Sediment: X No Partially Fully Fully
Earthen	Parabolic	Top Width:		
rip-rip	Other:	Bottom Width:		

Temp	64	°F
pH	7.8	units
Ammonia	0	mg/l

PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume	750ml	10.8 gal/min	Bottle
	Time to fill	1:00	1:09	Stop watch
Flow #2	Flow depth	ft. in.		Tape measure
	Flow width	ft. in.		Tape measure
	Measured length	ft. in.		Tape measure
	Time of travel	Sec		Stop watch

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	N/A	Sewage Rancid sour Sulfide Other	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	N/A	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/A	See severity	1 - Slight cloudiness	2 - Cloudy	3 - Opaque
Floatables - Does Not Include Trash!	N/A	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other	1 - Few/slight; origin not obvious	2 - Some; indications of origin (e.g., possible rags or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

INDICATOR	CHECK IF PRESENT	DESCRIPTION	COMMENTS
Outfall Damage	No	Spillings Cracks or Chipping Peeling Paint Corrosion	
Debris/Stems	No	Oil: Flow Line Paint Other	
Abnormal Vegetation	No	Excessive Inhabited	
Poor pool quality	No	Odors Colors Floatables Oil Sheen Other	
Pipe benthic growth	No	Brown Orange Green Other	

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? Yes X No If Yes, type: OBM Cank dam

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

Collected: 1/18/2016 2:30 PM
Wet: NEG
Dry:



Subwatershed: Sprain Brook / Bronx River		Outfall ID: AZ41
Today's date: 1/15/2015		Time completed by: <i>evans/6/6/16</i>
Investigators: Evans, Kuhn		Form completed by: <i>evans/6/6/16</i>
Temperature (°F): 43°	Rainfall (in.) Last 24 hours: 0"	Last 48 hours: 0"
Latitude: 41.00350	Longitude: -73.90111	GPS Unit: Garmin etrex
Camera: Samsung Galaxy Note		Photo #:
Land Use in Drainage Area (Check all that apply): Industrial: <input type="checkbox"/> Open Space: <input type="checkbox"/> Ultra-Urban Residential: <input checked="" type="checkbox"/> Institutional: <input checked="" type="checkbox"/> X Suburban Residential: <input checked="" type="checkbox"/> Other: OLPH School Commercial: <input type="checkbox"/> Known Industries: <input type="checkbox"/>		

Outfall Reconnaissance Sheet

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sewage Rancid sour Sulfide Other	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Slight yellow	Clear Brown Gray X 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	Clear	See severity	1 - Slight cloudiness	2 - Cloudy	3 - Opaque
Floatables - Does Not Include Trash!	Oil sheen	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other	X 1 - Few/slight; origin not obvious	2 - Some; indications of origin (e.g., possible rags or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

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 3:55PM No If Yes, type: X OBM Cank dam

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

Collected: 1/18/2016 2:30 PM
Wet: NEG
Dry: NEG 1/19/2016



Subwatershed: Sprain Brook/Bx River		Outfall ID: AZ 44
Today's date: 8/20/2015		Time: 8:12 AM
Investigators: Evans, Kuhn		Form completed by: <i>evans/6/6/16</i>
Temperature (°F): 87°	Rainfall (in.) Last 24 hours: 0"	Last 48 hours: 0"
Latitude: 41.99214	Longitude: -73.90132	GPS Unit: Garmin etrex
Camera: Samsung Galaxy Note		Photo #:
Land Use in Drainage Area (Check all that apply): Industrial: <input type="checkbox"/> Open Space: <input type="checkbox"/> Ultra-Urban Residential: <input type="checkbox"/> Institutional: <input type="checkbox"/> X Suburban Residential: <input checked="" type="checkbox"/> Other: Construction site (Sprain Road), Greenburgh DPW Commercial: <input type="checkbox"/> Known Industries: Landscape Nursery		

Outfall Reconnaissance Sheet

INDICATOR	CHECK IF PRESENT	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	No	Sewage Rancid sour Sulfide Other	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	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!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other	1 - Few/slight; origin not obvious	2 - Some; indications of origin (e.g., possible rags or oil sheen)	3 - Some; origin clear (e.g., obvious oil suds, or floating sanitary materials)

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 9:00 AM No If Yes, type: X OBM Cank dam

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

Collected: 8/22/2015 11AM
Wet: NEG
Dry: NEG 8/24/2015



MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2016
 If submitting this form as part of a joint report on behalf of a coalition leave SPDES ID blank.

SPDES ID

N Y R 2 0 A 3 1 6

Name of MS4/Coalition **Village of Ardsley**

Subwatershed: Sprain Brook/Brook River		Outfall ID: AZ 44	
Today's date: 6/1/2015		Time: 2:35 PM	
Investigator: Evans, Kuhn		Form completed by: (Print Name)	
Temperature (°F): 54	Rainfall (in.): Last 24 hours: 2.4" Last 48 hours: 2.4"	Photo(s):	
Latitude: 41 00 0.278	Longitude: 73 50 0.147	GPS Unit: Garmin etrex	GPS LMK #:
Camera: Samsung Mega			
Land Use in Drainage Area (Check all that apply):			
Industrial	Open Space		
Ultra-Urban Residential	X Institutional		
X Suburban Residential	Other: OLPH School		
Commercial	Known Industries:		
Notes (e.g., origin of outfall, if known):			

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

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume	400, 500, 500, 525, 525	Liter	
	Time to fill	1:15, 0:57, 1:03, 1:12, 0:58	Sec	Stopwatch
Flow #2	Flow depth	" "	Ft. In	Tape measure
	Flow width	" "	Ft. In	Tape measure
AVE RATE =	Measured length	" "	Ft. In	Tape measure
	Time of travel	" "	Sec	Stopwatch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	No	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected
Color	Slight yellow	Clear Brown Gray X Yellow	1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle
Turbidity	clear	Green Orange Red Other:	1 - Slight cloudiness	2 - Cloudy
Floatables - Does Not Include Trash!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)
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	Corrosion	Spalling Cracking or Chipping Peeling Paint X Corrosion		
Deposits/Stains	Rust	Oil From Line Paint Other: rust		
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:		
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 Cank dam 3:13 PM				
Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Silt & sediment seen in stream bed, Sprain Rd sub-division project Collected: 6/2/2015, 3:30 PM Wet: NEG Dry: NEG 6/5/2015				



Subwatershed: Sprain Brook/Brook River		Outfall ID: AZ46	
Today's date: 12/11/2015		Time: 3:20 PM	
Investigator: Evans, Kuhn		Form completed by: (Print Name)	
Temperature (°F): 59	Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"	Photo(s):	
Latitude: 41 00 0.278	Longitude: 73 50 0.147	GPS Unit: Garmin etrex	GPS LMK #:
Camera: Samsung Mega			
Land Use in Drainage Area (Check all that apply):			
Industrial	Open Space		
Ultra-Urban Residential	X Institutional		
X Suburban Residential	Other: Ardsley High School		
Commercial	Known Industries:		
Notes (e.g., origin of outfall, if known): Abington Creek			

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

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume	150, 225, 225, 215, 230	Liter	
	Time to fill	5:50, 5:31, 6:03, 5:09, 5:31	Sec	Stopwatch
Flow #2	Flow depth	" "	Ft. In	Tape measure
	Flow width	" "	Ft. In	Tape measure
AVE RATE =	Measured length	" "	Ft. In	Tape measure
	Time of travel	" "	Sec	Stopwatch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	No	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected
Color	Clear	Clear Brown Gray Yellow	1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle
Turbidity	No	Green Orange Red Other:	1 - Slight cloudiness	2 - Cloudy
Floatables - Does Not Include Trash!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)
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	Oil From Line Paint Other:		
Abnormal Vegetation	Excessive	Excessive Inhibited		
Poor pool quality	No	Odors Colors Floatables Oil Sheen Suds Excessive Algae Other:		
Pipe benthic growth	No	Brown Orange Green Other:		
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 4:00 PM If Yes, type: X OBM Cank dam				
Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Collected: 12/15/2015, 1:30 PM Wet: NEG Dry: NEG 12/22/2015				



Subwatershed: Saw Mill River		Outfall ID: AZ 49	
Today's date: 7/30/2015		Time: 8:15 AM	
Investigator: Evans, Kuhn		Form completed by: (Print Name)	
Temperature (°F): 81	Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"	Photo(s):	
Latitude: 41 00 0.278	Longitude: 73 50 0.147	GPS Unit: Garmin etrex	GPS LMK #:
Camera: Samsung Galaxy Note			
Land Use in Drainage Area (Check all that apply):			
Industrial	Open Space		
Ultra-Urban Residential	X Institutional		
X Suburban Residential	Other: Concord Road Elementary School		
Commercial	Known Industries:		
Notes (e.g., origin of outfall, if known): Concord Road			

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

PARAMETER	RESULT	UNIT	AVERAGE FLOW RATE (gal/min)	EQUIPMENT
Flow #1	Volume	Liter		Bottle
	Time to fill	Sec		Stop watch
Flow #2	Flow depth	" "	21.29 gal/min	Tape measure
	Flow width	" "		Tape measure
Measured length	1' 4"	Ft. In		
	Time of travel	2.28, 2.34, 2.33, 2.19, 2.37	Sec	Stop watch

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET				
Are Any Physical Indicators Present in the flow? Yes No				
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)	
Odor	No	Sewage Rancid sour Sulfide Other: Petroleum gas	1 - Faint	2 - Easily detected
Color	Green, Orange	Clear Brown Gray Yellow X Green X Orange Red Other: Algae	1 - Faint colors in sample bottle	2 - Clearly visible in sample bottle
Turbidity	Clear	See severity	1 - Slight cloudiness	2 - Cloudy
Floatables - Does Not Include Trash!	No	Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other:	1 - Few/light, origin not obvious	2 - Some; indications of origin (e.g., possible suds or oil sheen)
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	Algae	Oil From Line Paint Other:	Green, Orange	
Abnormal Vegetation	Yes	Excessive Inhibited	Moderate	
Poor pool quality	Yes	Odors Colors Floatables Oil Sheen Suds Excessive Algae Other: Sediment		
Pipe benthic growth	No	Brown Orange Green Other:		
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 8:45 AM Cank dam				
Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? Collected: 7/30/2015, 1:00 PM Wet: NEG Dry: NEG 8/3/2015				



MS4 Annual Report Form

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SPDES ID

Name of MS4/Coalition Village of Ardsley

N Y R 2 0 A 3 1 6

Subwatershed: Saw Mill River		Outfall ID: AZ 55	
Today's date: 11/15/2015		Time: 2:15 PM	
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>	
Temperature (°F): 57	Rainfall (in.): Last 24 hours: 0.01" Last 48 hours: 0.01"	GPS Unit: Garmin etrex	
Latitude: 41 00 441	Longitude: 73 31 037	GPS LMK #: _____	
Camera: Samsung Mega		Photo #: _____	
Land Use in Drainage Area (Check all that apply): Industrial		Open Space	
Ultra-Urban Residential		Institutional	
Suburban Residential		Other: NYS Thruway Known Industries:	
Commercial		Other: _____	

Outfall Reconnaissance Sheet

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED		
X Closed Pipe	X RCP	CLIP	X Circular	In Water: No Partially Fully With Sediment: No Partially Fully		
	PVC	HDPE	Elliptical		Double	12"
	Steel	Box	Triple		Other:	Other:
Open drainage	Concrete	Trapezoid	Parabolic	Depth:		
	Earthen			Top Width:		
	rip-rip			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			

Temp	58	°F
pH	6.3	units
Ammonia	0	mg/l

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	
	Time to fill		Sec	Stopwatch
Flow #2	Flow depth	0" 3"	Ft, In	tape measure
	Flow width	1" 1"	Ft, In	tape measure
AVE RATE =	Measured length	0" 6"	Ft, In	tape measure
	Time of travel	14.25, 20.78, 9.52, 25.31, 19.88, 17.66	Sec	Stopwatch

Subwatershed: Saw Mill River		Outfall ID: AZ 57	
Today's date: 6/9/2015		Time: 2:35 PM	
Investigator: Evans, Kuhn		Form completed by: <i>(Signature)</i>	
Temperature (°F): 73	Rainfall (in.): Last 24 hours: 0.18" Last 48 hours: 0.18"	GPS Unit: Garmin etrex	
Latitude: 41 00 467	Longitude: 73 31 161	GPS LMK #: _____	
Camera: Samsung Mega		Photo #: _____	
Land Use in Drainage Area (Check all that apply): Industrial		Open Space	
Ultra-Urban Residential		Institutional	
Suburban Residential		Other: Office building, gas station, motel Known Industries:	
Commercial		Other: _____	
Notes (e.g., origin of outfall, if known): NYS Thruway			

Outfall Reconnaissance Sheet

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED		
X Closed Pipe	X RCP	CLIP	X Circular	In Water: No Partially Fully With Sediment: No Partially Fully		
	PVC	HDPE	Elliptical		Double	15"
	Steel	Box	Triple		Other:	Other:
Open drainage	Concrete	Trapezoid	Parabolic	Depth:		
	Earthen			Top Width:		
	rip-rip			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			

Temp	64	°F
pH	7.3	units
Ammonia	0	mg/l

METHOD	PARAMETER	RESULT	UNIT	EQUIPMENT
Flow #1	Volume		Liter	
	Time to fill		Sec	Stopwatch
Flow #2	Flow depth	" 2"	Ft, In	tape measure
	Flow width	" 11"	Ft, In	tape measure
AVE RATE =	Measured length	" 16"	Ft, In	tape measure
	Time of travel	1.32, 1.22, 1.15, 1.47, 1.15, 0.97	Sec	Stopwatch

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)			
Odor	No	Sewage Rancid sour Sulfide Other: _____	Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	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.) Soda 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 or floating sanitary materials

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

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 4:05 PM If Yes, type: X OBM Culk dam

Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? clear out leaves to improve function Collected: 11/14/2015 4 PM Wet: NEG Dry: NEG 11/19/2015



INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)			
Odor	No	Sewage Rancid sour Sulfide Other: _____	Petroleum gas	1 - Faint	2 - Easily detected	3 - Noticeable from a distance
Color	Clear	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!	Slight oil sheen	Sewage (Toilet Paper, etc.) Soda X Petroleum (oil sheen) 1 - slight Other: _____		1 - Few slight, origin not obvious	2 - Some indications of origin (e.g., possible suds or oil sheen)	3 - Some origin clear or floating sanitary materials

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

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 2:33PM If Yes, type: X OBM Culk dam

Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? No Collected: 6/9/2015 3:00PM Wet: NEG Dry: NEG 6/15/2015



MS4 Annual Report Form

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

2	0	1	6
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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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<u>Catch Basin Head Cleaning</u>		<u>Bulk Roadside Cleaning</u>		<u>Bulk Leaf Clean-up</u>	
Routes: A = Ashford Ave H = Heatherdell Rd EV = Entire Village		Route: Entire Village (litter and small brush)			
ROUTES	DATE	DATE	ROUTE	DATE	
A	3/31/16	3/30/15	A	3/20/15	
EV	4/10/15	4/2/15	H	3/30/15	
EV	4/28/15	4/10/15	H	3/31/15	
A	5/1/15	4/20/15	EV	4/6/15	
H	5/2/15	5/4/15	A	4/13/15	
EV	5/23/15	5/18/15	H	4/14/15	
A	6/16/15	6/10/15	EV	4/17/15	
H	6/22/15	7/17/15	H	4/21/15	
EV	7/13/15	8/6/15	EV	5/1/15	
A	8/10/15	9/23/15	EV	5/8/15	
H	8/17/15	10/14/15	EV	5/23/15	
EV	9/15/15	11/9/15	EV	6/25/15	
A	10/1/15		EV	7/30/15	
H	10/2/15		EV	9/7/15	
EV	11/4/15		EV	10/22/15	

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SPDES ID

N	Y	R	2	0	A	3	1	6
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Catch Basin Internal Clean-out

LOCATION	# of BASINS	DATE
BRIDGE ST.	3	3/16/15
FIREHOUSE LOT	2	3/17/15
CENTER ST.	2	3/31/15
MCDOWELL	2	4/13/15
HUNTLEY DRIVE	4	4/15/15
FAIRMONT PLACE	2	4/30/15
ELM STREET	4	5/4/15
ALMENA AVE.	4	5/14/15
MCKINLEY PLACE	1	5/15/15
BRAMBLEBROOK	2	5/15/15
MCCORMICK DRIVE	2	6/17/15
HEATHERDELL RD.	2	7/22/15

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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Incident Report

Location (st/cross st)	Description (water main, sewage)	Date incident	Repair (DPW or other)	Date repaired
OVERLOOK/HUNTLEY	WATER MAIN	3/20/15	SUEZ	3/21/15
HILLCREST	SEWER	4/9/15	GREENBURGH	4/9/15
JUDSON/LINCOLN	WATER MAIN	7/2/15	SUEZ	7/2/15
140 HEATHERDELL	SEWER	8/8/15	DPW	8/8/15
RIDGE/BRAMBLEBROOK	SEWER	9/13/15	GREENBURGH	9/13/15
SMMR/CENTER	SEWER	9/17/15	GREENBURGH	9/17/15
MCDOWELL PARK	WATER LINE	10/1/15	DPW	10/2/15
SMRR/REVOLUTIONARY	SEWER	10/2/15	GRENBURGH	10/3/15
ASHFORD/CROSS	MVA/SPILL	10/10/15	AFD	10/10/15
WESTERN DRIVE	SEWER	10/12/15	DPW	10/12/15
LINCOLN/LARCHMONT	SEWER	12/2/15	GREENBURGH	12/2/15
HUNTLEY/HEATHERDELL	WATER	12/22/15	SUEZ	12/24/15
SMRR/ASHFORD	SEWER	1/15/16	GREENBURGH	1/15/16
5 SUMMIT	SEWER	2/18/16	GREENBURGH	2/18/16

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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Road Repair

Location (st/cross st)	Material	Amount (tons)	Date of use
Center St, Eastern Dr, Prospect, Elm	7F	6	4/2/15
McDowell Park, Elm, Bicentennial Park	7F	15	4/15/15
Lincoln Avenue	7F	6	4/20/15
Village Hall, Legion Dr, Euclid Ave.	7F	10	4/24/15
Various Pothole Locations	6F	6	4/29/15
Various Pothole Locations	6f	6	5/5/15
Various Curb Locations	7F	12	5/8/15
Various Curb Locations	7F	6	5/12/15
Bramblebrook Rd.	7F	10	5/21/15
McCormick Dr., Taft & McKinley	7F	6	6/15/15
Various Cutouts	7F	10	6/19/15
Augustine Cutout, Various Potholes	7F	6	7/8/15
Various Curb Locations	7F	6	7/9/15
Various Curb Locations	6F	6	7/13/15
Larchmont Cutout	7F	9	7/16/15
CB Cutouts, Oakhill, Park Ave.	7F	5	7/21/15
53 Bramblebrook Rd (Drain)	7F	8	7/27/15
Felix, Pascone park	7F	8	8/4/15
COLONY ST. E&W	7F	93	11/15
BONAVENTURE-SOUTH	7F	46	“
ALMENA Ave.	7f	325	“
REVERE RD.	7F	550	“
TAPPAN TERRACE	7F	60	“
CROSS RD.	7F	218	“
FAIRMONT-SOUTH	7F	86	“
FULLER AVE.	7F	177	“
GRANDVIEW-W	7F	28	“
HIGH STREET	7F	175	“
POWDERHORN RD.	7F	196	“
LARCHMONT ST.	7F	350	“
LINCOLN AVE,	7F	960	“

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2 0 1 6

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Name of MS4/Coalition

Village of Ardsley

SPDES ID

N Y R 2 0 A 3 1 6

Road Repair

Location (st/cross st)	Material	Amount (tons)	Date of use
PARK AVE.	7F	566	11/15
RIVERVIEW RD.	7F	522	“
SPRINGWOOD RD.	7F	136	“
SUMMIT	7F	149	“

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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Road Salt Application

Village (total) or Neighborhood (name)	Amount	Condition	Date applied
VILLAGE	8	SNOW	3/1/15
VARIOUS	4	MOP UP	3/2/15
VILLAGE	8	SNOW	3/3/15
VILLAGE	15	SNOW	3/5/15
VILLAGE	4	MOP UP	3/6/15
VARIOUS	3	MOP UP	3/9/15
VARIOUS	3	ROAD WIDENING	3/11/15
VARIOUS	1	ROAD WIDENING	3/12/15
VILLAGE	6	SNOW	3/20/15
VARIOUS	2	SIDEWALKS	3/23/15
VARIOUS	3	ROAD WIDENING	3/24/15
VILLAGE	4	SNOW,SLEET	12/28/15
VARIOUS	2	MOP UP	12/29/15
VILLAGE	5	SNOW-SLEET	1/17/16
VARIOUS	2	RUNOFF	1/19/16
VILLAGE	15	SNOW-20"	1/22-1/23/16
VARIOUS	6	WIDENING,HAULING	1/24/16
VARIOUS	3	RUNOFF-BLACK ICE	1/25/16
VARIOUS	5	WIDENING-BLACK	1/26/16
VARIOUS	6	HAULING	1/30/16
VILLAGE	6	SNOW	2/5/16
VILLAGE	6	SNOW	2/8/16
VARIOUS	6	SIDEWALK,WIDEN	2/9/16
VARIOUS	2	MOP UP	2/11/16
VILLAGE	10	SNOW	2/15/16

MS4 Annual Report Form

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2	0	1	6
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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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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
4/7/15	BD,AN, AS
4/14/15	BD,HN,HS
4/21/15	AN,HS
5/6/15	AS, HS, BD
5/20/15	BD, HN, HS
6/10/15	BD, AN, AS
6/24/15	BD, HN, HS
7/8/15	BD, AN, AS
7/22/15	BD, HN, HS
8/12/15	BD, AN
8/26/15	BD, AS, HS
9/10/15	BD, AN,HN
9/24/15	BD, AS
10/8/15	BD,AN
10/22/15	BD,HS
11/5/15	BD,AS
11/19/15	AN,HS
11/25/15	BD,AS,AN
11/26/15	BD,HN,HS

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID
N Y R 2 0 A 3 1 6

Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
SUV	2013	2-TIRES	3/12/15
HAND EQ.	VARIOUS	TUNE UP MOWERS-TRIMMERS	3/17/15
SUV	2013	CAT. CONVERTER, AIR SENSOR	3/25/15
PACKER	16	LEAF SPRINGS	3/26/15
PICK UP	4	BRAKES	3/27/15
PICK UP	4	1-TIRE	3/30/15
PAYLOADER	P-1	ROUTINE MAINT.	4/2/15
PACKER	14	LEAF SPRINGS	4/6/15
SUV	97	BATTERY	4/8/15
SUV	97	BALL JOINTS	4/9/15
SUV	2012	ALIGNMENT	4/14/15
PACKER	15	REPLACE OIL PAN	4/15/15
PACKER	15	REPLACE AC CONDENSOR	4/20/15
PACKER	15	2-TIRES	4/22/15
SEDAN	95	2-TIRES	4/23/15
PACKER	15	Brakes and chambers	4/24/15
SUV	95	BRAKE LINE REPLACE	4/24/15
SEDAN	BI	ROUTINE MAINT.	4/28/15
PACKER	8	ROUTINE MAINT.	4/29/15
PAYLOADER	P-1	STEAM CLEAN & LUBE	4/29/15
PICK UP	7	BRAKES	4/30/15
PACKER	16	STEAM CLEAN	5/1/15
PACKER	12	STEAM CLEAN	5/1/15
DUMP	1	STEAM CLEAN	5/4/15
DUMP	3	STEAM CLEAN	5/4/15
DUMP	5	STEAM CLEAN	5/4/15
DUMP	11	STEAM CLEAN	5/4/15
SUV	2013	BATTERY	5/5/15
PACKER	15	STEAM CLEAN	5/6/15
PACKER	14	STEAM CLEAN	5/6/15
PACKER	8	STEAM CLEAN	5/6/15
DUMP	11	ROUTINE MAINT.	5/7/15
PICK UP	6	ROUTINE MAINT.	5/7/15

MS4 Annual Report Form

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Name of MS4/Coalition

Village of Ardsley

SPDES ID

N Y R 2 0 A 3 1 6

Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
SUV	95	ROUTINE MAINT.	5/12/15
PICK UP	7	ROUTINE MAINT.	5/14/15
PACKER	12	REPAIR LEAK	5/18/15
DUMP	11	ROUTINE MAINT	5/18/15
SUV	HW-1	ROUTINE MAINT.	5/19/15
PACKER	15	REPLACE HOSE	5/20/15
SUV	98	REPLACE STRUTS	5/26/15
SEDAN	DET.	BATTERY & AC SYSTEM	5/27/15
PACKER	14	REPLACE HOSE	5/29/15
SUV	94	2-TIRES	5/29/15
PICK UP	10	1-TIRE	6/1/15
PAYLOADER	P-1	LUBE BUCKET ASSY.	6/1/15
AERIAL	BT	BRAKES & ROUTINE MAINT.	6/3/15
PICK UP	7	REPAIR OIL LEAK	6/8/15
DUMP	5	ROUTINE MAINT.	6/9/15
SUV	96	REPAIR COLLING LEAK	6/11/15
DUMP	3	REPAIR HYD. LEAK	6/15/15
PICK UP	6	STEAM CLEAN	6/17/15
PICK UP	7	STAEM CLEAN	6/17/15
PICK UP	9	STEAM CLEAN	6/17/15
PICK UP	10	STAEM CLEAN	6/17/15
PAYLOADER	P-1	STEAM CLEAN	6/17/15
TRACTOR	JD-1	REPLACE 2-HOSES	6/18/15
TRACTOR	JD-2	ROUTINE MAINT.	6/19/15
TRACTOR	JD-3	ROUTINE MAINT.	6/19/15
PACKER	8	ROUTINE MAINT.	6/22/15
PACKER	15	REPAIR AC LEAK	6/23/15
SUV	2013	DRAIN FUEL TANK(BAD GAS)	6/24/15
SUV	96	DRAIN FUEL TANK(BAD GAS)	6/24/15
SUV	98	DRAIN FUEL TANK(BAD GAS)	6/24/15
SEDAN	99	DRAIN FUEL TANK(BAD GAS)	6/24/15
SUV	2013	REPLACE TRANSMISSION	6/30/15
PACKER	12	REPAIR HYD. LEAK	7/1/15

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Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
AERIAL	BT	ROUTINE MAINT. & LUBE	7/6/15
PACKER	12	REPAIR PACKER & LUBE	7/9/15
PICK UP	4	ROUTINE MAINT.	7/17/15
PICK UP	9	ROUTINE MAINT.	7/17/15
PACKER	16	REPLACE HOSE & SWITHCHES	7/21/15
PICK UP	7	REPLACE FUEL LINE (2)	7/23/15
TRACTOR	JD-3	REPAIR HYD. LEAK & LUBE	7/27/15
PACKER	8	REPAIR FUEL TANK LEAK	7/28/15
AERIAL	BT	REPLACE HYD. HOSE	7/28/15
PICK UP	7	REPLACE FITTING HYD	7/29/15
DUMP	1	ROUTINE MAINT.	8/4/15
TRACTOR	JD-2	ROUTINE MAINT.	8/5/15
PICK UP	4	REPLACE HYD. HOSE & LUBE	8/7/15
PACKER	14	DRAIN FUEL TANK (BAD GAS)	8/10/15
PACKER	14	BRAKES & CHAMBERS	8/12/15
AERIAL	BT	DRAIN FUEL(BAD GAS)	8/17/15
PICK UP	6	ROUTINE MAINT.	8/18/15
PICK UP	10	PREP FOR INSPECTION	8/20/15
SEDAN	99	ROUTINE MAINT.	8/27/15
PACKER	16	REPLACE RADIATOR HOSE	8/27/15
DUMP	5	REPLACE MODULES	8/28/15
SUV	94	DIAGNOSTICS	8/31/15
DUMP	2	ROUTINE MAINT.	9/4/15
DUMP	3	REPAIR HYD. LEAK	9/4/15
AERIAL	BT	PREP FOR INSPECTION	9/16/15
PACKER	14	REPLACE HYD. HOSES	9/21/15
PACKER	8	STEAM CLEAN	9/22/15
PACKER	12	STEAM CLEAN	9/22/15
PACKER	14	STEAM CLEAN	9/22/15
DUMP	1	STEAM CLEAN	9/22/15
DUMP	2	STEAM CLEAN	9/22/15
PACKER	14	PREP FOR INSPECTION	9/23/15
DUMP	3	STEAM CLEAN	9/24/15

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Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
DUMP	5	STEAM CLEAN	9/24/15
PICK UP	6	STEAM CLEAN	9/24/15
PICK UP	7	STEAM CLEAN	9/24/15
PICK UP	4	PREP FOR INSPECTION	9/23/15
SUV	95	DIAGNOSTICS	10/1/15
DUMP	3	REPLACE LEAF SPRINGS	10/5/15
SUV	96	REPLACE BATTERIES	10/6/15
PACKER	15	REPLACE BLOWER MOTOR	10/7/15
PAYLOADER	P-1	REPLACE CUTTING EDGE	10/8/15
SUV	98	REPLACE BRAKES & ROTORS	10/13/15
SUV	98	REPLACE BRAKES	10/14/15
SUV	94	ROUTINE MAINT.	10/15/15
DUMP	5	ROUTINE MAINT.	10/19/15
DUMP	11	REPLACE BRAKES	10/20/15
Dump	11	WORK ON ABS SYSTEM	10/21/15
PACKER	8	4-TIRES	10/22/15
PACKER	16	REPLACE HYD. HOSE	10/26/15
SEDAN	BI	ROUTINE MAINT.	10/28/15
DUMP	2	REPLACE 2-BATTERIES	10/30/15
SUV	96	REPLACE 4-TIRES	11/4/15
SUV	95	REPLACE ALRENATOR & 1-BATTERY	11/9/15
SEDAN	99	REPLACE BRAKES	11/10/15
PICK UP	4	4-TIRES	11/12/15
SUV	2013	2-TIRES	11/12/15
DUMP	2	PREP FOR INSPECTION	11/20/15
PACKER	15	REPAIR FUEL TANK	11/23/15
TRACTOR	JD-2	ROUTINE MAINT.	12/2/15
PACKER	8	REPAIR AIR BLOWER-BRAKES	12/8/15
SUV	2013	1-BATTERY	12/15/15
SUV	98	ROUTINE MAINT.	12/17/15
SUV	98	REWIRE ELECTRIC SYSTEM	12/17/15

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Vehicle Maintenance

Vehicle type	#	Wash or Maintenance (brief description)	Date serviced
SNOW EQUIPMENT	PLOWS SPREAD.	TUNE UP ALL MOTORS, LUBE AND REPLACE HOSES.	12/22/15
STREET SWEEPER	SWEEPER	RUN POST DELIVERY MAINTENANCE AND ADJUST AND LUBE	12/29/15
SUV	96	REPLACE REAR END	12/31/15
PACKER	8	REPAIR LEAK IN TRANS.	1/4/16
PACKER	12	1-TIRE	1/5/16
SUV	2013	REPAIR OIL LEAK	1/8/16
SNOW EQ.	ALL	ROUTINE MAINT,	1/16/16
PICK UP	7	REPAIR LEAK I9N OIL PAN	1/14/16
PACKER	16	2-FRONT TIRES	1/16/16
SUV	2013	REPLACE WATER PUMP	1/18/16
PICK UP	9	ROUTINE MAINT.	1/21/16
DUMP	3	REPAIR SPREADER MOTOR.	1/26/16
PAYLOADER	PL	STEAM CLEAN	2/1/16
DUMP	1	STEAM CLEAN	12/1/16
DUMP	2	STEAM CLEAN	2/1/16
DUMP	3	STEAM CLEAN	2/1/16
DUMP	5	STEAM CLEAN	2/1/16
DUMP	11	STEAM CLEAN	2/1/16
PICK UP	9	STEAM CLEAN	2/2/16
PICK UP	6	STEAM CLREAN	2/3/16
PICK UP	7	STAEM CLEAN	2/3/16
PICK UP	10	STEAM CLEAN	2/3/16
TRACTOR	JD-2	REBUILD SNOWBLOWER MOTOR	2/8/16
DUMP	5	REBUILD SPREADER MOTOR	2/9/16
PICK UP	4	REPLACE ALTENATOR	2/10/16
PICK UP	4	4-TIRES	2/10/16
PICK UP	7	REPLACE BRAKES	2/16/16
SUV	97	ROUTINE MAINT.	2/18/16
PACKER	15	REPAIR HYD. ASSEMBLY-PACKER	2/29/16

MS4 Annual Report Form

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Name of MS4/Coalition

SPDES ID

N	Y	R	2	0	A	3	1	6
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Used Oil Storage Tank:		(used oil pick up is documented in separate Highway Foreman file)						
	Date:	4/24/2015						
	Volume (gallons):	20 gal						
	Condition:	good						
Motor Fluids:								
	Date:	4/24/2015						
	Volume (gallons):	2 X 5 gal	2 X 50 gal	2 X 50 gal	1 X 50 gal			
	Type:	trans	anti	10W40	5W40	10W30	5W30	hydraulic
	(antifreeze, transmission, etc.)	mission	freeze					
	Condition:	good	good	good	good	good	good	good
Solvents:								
	Date:	4/24/2015						
	Volume (gallons):	5 X 5 gal	8 X 5 gal	3 X 5 gal	1 X 50 gal			
	Type:	paint	body	truck	diesel			
	(alcohol, acetone, etc.)	remover	filler	wash	cleaner			
	Condition:	good	good	good	good			
Paint:								
	Date:	4/24/2015						
	Volume (gallons):	14 X 1 gal	1 X 5 gal	2 X 1 pt				
	Type:	latex	water	wood				
	(oil, latex, enamel, etc.)		sealant	stain				
	Condition:	good	good	good				
Spill Kit:								
	Date:	4/24/2015						
	Condition:	good						
Fire Extinguishers:		(there are five fire extinguishers in the Highway Garage facility)						
	Date:	4/24/2015						
	Condition:	good						
(Salt and Sand Storage and Use cataloged elsewhere)								

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Name of MS4/Coalition

Village of Ardsley

SPDES ID

N	Y	R	2	0	A	3	1	6
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Used Oil Storage Tank:		(used oil pick up is documented in separate Highway Foreman file)					
	Date:	11/19/2015					
	Volume (gallons):	empty					
	Condition:	good					
Motor Fluids:							
	Date:	11/19/2015					
	Volume (gallons):	2 X 5 gal	2 X 10 gal	6 X 50 gal	2 X 50 gal	1 X 50 gal	2 X 50 gal
	Type:	hydraulic	oil	oil	trans	exhaust	anti
	(antifreeze, transmission, etc.)				mission	fluid	freeze
	Condition:	good	good	good	good	good	good
Solvents:							
	Date:	11/19/2015					
	Volume (gallons):	2 X 5 gal	6 X 2 gal	1 X 50 gal			
	Type:	sewercide	turpen-	wheel			
	(alcohol, acetone, etc.)	drain clean	tine	cleaner			
	Condition:	good	good	good			
Paint:							
	Date:	11/19/2015					
	Volume (gallons):	11 X 5 gal	7 X 1 gal	6 X 1 qt	5 X 1 gal	1 X 5 gal	
	Type:	road	latex	enamel	enamel	lacquer	
	(oil, latex, enamel, etc.)	striping					
	Condition:	good	good	good	good	good	
Spill Kit:							
	Date:	11/19/2015					
	Condition:	good					
Fire Extinguishers:		(there are five fire extinguishers in the Highway Garage facility)					
	Date:	11/19/2015					
	Condition:	good					
(Salt and Sand Storage and Use cataloged elsewhere)							