**MS4 Annual Report Form**

**This report is being submitted for the reporting period ending March 9, 2020**

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

# Appendix

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**Ardsley Villager Summer 2019**

# Storm Water Update

## The Silence of the ... Bees!

That patch of clover in your lawn should be a carpet of bees by now. But have you looked at it lately? See any bees? Maybe not. Bee and insect populations have been declining, with serious implications for plants and food crops. Widespread use of landscape chemicals may be at least partly to blame. Efforts are underway to help pollinator species survive. The Pollinator Pathway project spans from the Hudson in NY to the Housatonic in CT and aims to create a "highway" for bees and pollinators to travel.

***https://www.pollinator-pathway.org/***

"Healthy Yard" initiatives have started up, too. Participants pledge to use sustainable gardening practices and eliminate the use of landscape chemicals on their property. Weblinks to the Bedford and Rye "Healthy Yard" programs are shown below. Ardsley may soon have a "Healthy Yards" program too – stay tuned!

***https://www.healthyyards.org/***
***http://www.ryesustainability.com/rye-healthy-yard-program***

So, what does this have to do with stormwater? Simple, less chemicals on your property, less chemicals running off into our local waterways. Protecting children, pets and wildlife on your property protects aquatic life and water quality, too.

So, what does this have to do with stormwater? Simple, less chemicals on your property, less chemicals running off into our local waterways. Protecting children, pets and wildlife on your property protects aquatic life and water quality, too.

Speaking of stormwater, thank you to Ms. Palucci and AHS Environmental Science Club for this year's Outreach Project. A Green Roof Demo was installed at McDowell Park in May 2019. Green roofs retain rainwater and plants send moisture back to the atmosphere. This small demo is actually atop a doghouse which was purchased for the project. A box was constructed to hold the sedum plants, and the box was lined with waterproof pond liner, covered with a layer of filter fabric to hold back the soil and allow drainage. Special well-draining planting media was used. This a basic set-up. If you would like to install a green roof on any habitable building, including sheds and even your own doghouse, detailed structural information and professional engineering advice is needed. Additional information about the project can be found on the Village of Ardsley SW Facebook page. A Green Roof Demo project page will be posted on the Village SW website later this summer.

https://www.facebook.com/Village-of-Ardsley-Stormwater-Management-340082942735285/

With all the rain we've had this past spring, the Village is fortunate to have the Army Corps of Engineers (ACE) Flood Control Project (FCP) wall on our western border. It is vital for flood protection of our entire downtown business district. The FCP is inspected twice yearly by NYS Dept. of Environmental Conservation, and every few years by ACE. The Village is responsible for maintenance of the project. In May 2019, invasive vegetation was cleared from the site just south of the Village Green Detention Basin. This was necessary to allow complete access to the wall for careful inspection. Clearance of vegetation from the Village Green Detention Basin to maintain adequate flood storage capacity is planned for fall 2019.

Thank you to Trustee Edelstein, Planning Board member Susan Jainchill, volunteers and Ardsley Highway Dept. for the lovely Silliman Park project and other parklet improvements around the Village. NYS DEC will be helping out in October 2019 with a Trees for Tribs project along the banks of the Bramble Brook near the Route 9A/Ashford Avenue intersection. To find out more later this summer and sign up to volunteer, visit the link below:

https://www.ardsleyvillage.com/stormwater-project/webforms/trees-for-tribs-hre-volunteer-signup Thanks for making our water cleaner –

**Lorraine Kuhn,** *Stormwater Coordinator*

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**Ardsley Villager Summer 2019**

# A Clean Energy Community

Village of Ardsley is proud to announce it has been designated a Clean Energy Community by the New York State Energy Research and Development Authority (NYSERDA), recognizing its leadership in reducing energy use, cutting costs and driving clean energy locally.

The Village of Ardsley's designation ultimately will give the Village an opportunity to apply for funds toward additional clean energy projects, with no local cost share

To earn the Clean Energy Community designation, Village of Ardsley has completed the following high-impact clean energy actions:

- ***Energy Code Enforcement Training***
- ***LED Street Lights***
- ***Community Choice Aggregation***
- ***Benchmarking***

# Revision to Sanitation Code

The Village Board recently amended the garbage, rubbish, and refuse section of the Village Code: Covered metal or rigid plastic containers only to be used: Except for leaf bags, no types of receptacles, other than metal or rigid plastic with covers as specified in § 122-4A, will be deemed satisfactory as refuse or waste receptacles. Except for dumpster type receptacles, no metal or rigid plastic container shall be used that exceeds 48 gallon capacity, and when filled, any such container shall not weigh more than 50 pounds. Village employees will not handle any containers which leak or are in dangerous condition. The Village will notify any person when, in its opinion, receptacles are in need of replacement, and failure to make such replacement will be deemed a violation of this article. The recyclable pick up has not changed and the grass cutting pick up remains the same as well.

**Ardsley Garden Club Brochure 2019**

## Time to JOIN IN!

Become a member of a dedicated environmental community when you join the Ardsley Garden Club

### Purpose:

Living in a changing world and keeping pace is an ever-surmounting challenge. To help meet this challenge, we encourage our members to embrace new ideas, to explore new avenues of horticulture and creative designing and to practice conservation of our natural resources and protection of our environment.

Our philanthropic endeavors include donations and holiday flower service to the Village of Ardsley, Nature Conservancy, CARE/World Gardening, scholarships, community churches and Children's Village.

Founded and federated in 1957, we celebrate over 60 years as a member of National Garden Clubs, Inc., Central Atlantic Region, and Federated Garden Clubs of New York State, 9th District, Sec.3C.

## Programs and Events

- Monthly meetings the first Tuesday of the month, September - June
- Workshops, lectures and demonstrations of gardening issues, floral design and craft ideas to try
- Seasonal (*Oktoberfest* and *Saint Patrick's Day*) fundraising dinners, exhibits, plant and seed sales for the whole community
- Visits to outstanding area gardens, public and private sites
- Award-Winning Annual Standard Flower Show

- Project partnerships with the Village of Ardsley, Ardsley School District, Ardsley Public Library and Federated Garden Clubs of New York State

### Projects and Activities:

- Blue Star Memorial and Clock

- Demonstration Rain Garden
- Bicentennial Park enhancements
- Seasonal street banners
- *Trellis* monthly newsletter
- Daffodil Trail, Ashford Avenue
- Annual Standard Flower Show

- Library garden, joining the national *Million Pollinator Garden Challenge*

# Ardsley Garden Club

### Membership

### Join In!

Name_____

Address_____

City/State_____ Zip_____

Email_____

Phone Number ( ) _____

_____

Applicant Signature

Please mail to: ***Membership***
**Ardsley Garden Club, Inc.**
**P.O. Box 90**
**Ardsley, New York 10502-0090**

Email inquiries to:
ArdsleyGardenClub@gmail.com

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## Literature and Item Distribution Log (3/9/2019 to 3/9/2020)

| Item | Village Hall | Library | AMS Env Program | AHS Env Sci mtg | Enviro-scape Program | Trees for Tribs | DPW Training Session | Outfall Testing Team | Business Outreach | Great SMR Cleanup |
|---|---|---|---|---|---|---|---|---|---|---|
| "Soln to Poll" (EPA) | | 2 | | | | | | | | |
| Org Lawn Care (Grassroots) | | 6 | | | | | | | | |
| Aquatic Invasives (NYSDEC) | | 5 | | | | | | | | |
| "Backyd Compost" (County Planning) | 1 | 1 | | | | | | | | |
| LELENY.org handout | | 2 | | | | | | | 14 | |
| SW Regs & Construc (NYSDEC) | 1 | | | | | | | | | |
| "Lawn Pesticides" (Cit Camp Env) | 2 | 3 | | | | | | | | |
| "Bees in Crisis" (EcoBeneficial) | | 3 | | | | | | | | |
| "Plant Wise" WCC Nat Plnt Cent | | 4 | | | | | | | | |
| Go Native U (SUNY WCC) | | 4 | | | | | | | | |
| "Green Lawn Blue Water" (LWV) | | 4 | | | | | | | | |
| HAB Notice (NYSDEC) | | 4 | | | | | | | | |
| "Grub Control" Grassroots | | 3 | | | | | | | | |
| "Go Native" guide (County Parks) | 2 | 2 | | | | | | | | 2 |
| "Step by Step" (West County) | 1 | | | | | | | | | |
| "Dogs & HABs" (NY Sea Grant Org) | 1 | | | | | | | | | |
| Greenburgh Composting Info | 6 | 7 | | | | | | | | 3 |
| "After the Storm" US EPA | | 4 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| State Hud Riv 2015 NYSDEC | | 2 | | | | | | | | |
| "Hud Riv Fish" (NYSDOH) | 3 | 14 | | | | | | | | |
| Climate Chng Facts Cornell Univ | | 1 | | | | | | | | |
| "When It Rains" bookmarks (HRE) | | 2 | | | 169 | | | | | |
| Aq Restor bkmark (County Planning) | 1 | | | | | | | | | |
| Pet Biobaggies (VofA SW) | 42 | 46 | | | | | | | | |
| SW Reference Cards (VofA SW) | | | 69 | 4 | | 6 | | | | 2 |
| Outfall Testing Letter (VofA SW) | | | | | | | | 3 | | |
| Inv Sp Sub List Cornell Univ | | 1 | | | | | | | | |
| Plas C&E News 100719 p29-34 | | | 1 | | | | | | | |
| Cary Inst Salt Report 2010 | | | | | | | 1 | | | |
| SW Bumper Sticker (SMR Coalition) | | 4 | | | | | | | | 1 |

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## Points of View
FROM THE EDITOR

TIM LAMORTE/RIVERTOWNS ENTERPRISE

### Hands-on

The Hudson River and its tributaries were the focus of two noteworthy events during a recent three-day span.

On Oct. 19, eight trees and about 100 shrubs — all native species — were planted along the Bramble Brook, at the intersection of Saw Mill River Road and Ashford Avenue in Ardsley. The brook trickles into the Saw Mill River, which flows into the Hudson.

The New York State Department of Environmental Conservation (DEC) supplied the plants through its Trees for Tribs program. The Village of Ardsley applied to the program at the suggestion of Susan Jainchill, a landscape architect and member of the Ardsley Planning Board.

Two types of trees (flowering dogwood and redbud) and six types of shrubs (bayberry, nannyberry, red stem dogwood, serviceberry, winterberry, and witch hazel) were planted. The DEC grew all but the redbud at its nursery in Saratoga Springs.

Volunteers planted the vegetation. Most were residents of Ardsley, including five members of the environmental club at Ardsley High School. Six were residents of New York City, including four staff members from Design Republic, an architectural design firm.

The new trees and shrubs compliment those put in place last fall at the adjacent Silliman Park, which has been well maintained by Mark Horkowski of the Ardsley Department of Public Works.

On Oct. 21, about 40 juniors and seniors from Hastings High School gathered at Kinnally Cove and MacEachron Waterfront Park for the DEC's 17th annual "Day in the Life of the Hudson & Harbor."

The students were led by Melissa Shandroff, who has been teaching advanced placement environmental science for 14 of her 19 years at the school. In the photo above, she is pictured with senior Ben Halperin, junior Carson Cunningham, and junior Owen Silleck.

The students put on waders and used a seine net to wrangle an assortment of river life, including blue crab, Atlantic silverside, bay anchovy, killifish, shrimp, and striped bass — all of which were returned to the river. The catch of the day was a 6-inch white perch.

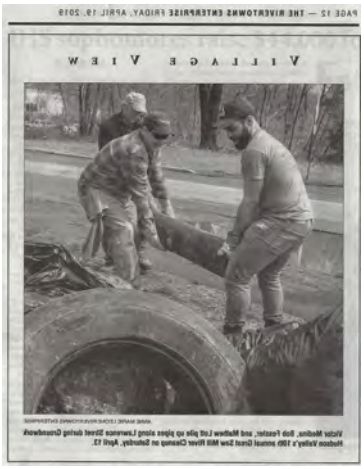
In addition, the students gathered data about the air temperature, wind speed, water temperature, current, and turbidity as well as the pH, salinity, nitrates, phosphates, and dissolved oxygen.

The "Day in the Life" was scheduled to happen at 104 sites along the Hudson, from New York City to the federal dam in Troy, including spots on the Mohawk River. To see the test results, visit www.ldeo.columbia.edu and search for "Hudson River Snapshot Day."

TIM LAMORTE/RIVERTOWNS ENTERPRISE

**Under cover**

Ardsley High School senior Jonathan Tang wraps a weed matt around a sapling along the Bramble Brook on Saturday, Oct. 19. Volunteers planted eight trees and about 100 scrubs, which the New York State Department of Environmental Conservation supplied through its Trees for Tribs program.





## Points of View
FROM THE EDITOR

### Pitch in tomorrow

Groundwork Hudson Valley hosts its 10th annual Great Saw Mill River Cleanup tomorrow (April 13) at seven sites, including four in the Rivertowns. To pitch in, stop by:

(1) Exit 13, Farragut Avenue, between the northbound Saw Mill River Parkway and Saw Mill River Road (Route 9A).

(2) Exit 16, Lawrence Street, also between the parkway and Saw Mill River Road

(3) Bridge Street Plaza, off Saw Mill River Road in Ardsley, next to Doctors United

(4) Exit 19, Woodlands Lake, also off the northbound Saw Mill River Parkway

The cleanup starts at 10 a.m. and continues until 1 p.m. For more information, visit www.groundworkhv.org.

## Happenings

**Prescription Drug Take-Back Day** tomorrow (Oct. 26) at village hall, 507 Ashford Ave., 10 a.m.-2 p.m. Bring unwanted, unused, and expired prescription or over-the-counter drugs (but no syringes) for proper disposal.

ANNE MARIE LEONE/RIVERTOWNS ENTERPRISE

**Seeing green**

Five-year-old Sanaullah Saleen plants rubus calycinoides, a dense groundcover also knows as creeping raspberry, outside Ardsley Middle School as part of Ardsley Cares Day on Saturday, Oct. 26.



## In your view

By Anne Marie Leone

*Why did you participate in Ardsley Cares Day on Oct. 26?*

**Asha Bencosme, Ardsley**
I decided to get involved because I think it's important to get out in the community and connect with other individuals who care about doing something good for our community.

**Michael Ahn, Ardsley**
I'm involved with the Boy Scouts here in Ardsley as the scoutmaster. It's kind of natural for us to be thinking about ways to do our civic duty.

**Athena Roumbanis, Ardsley**
I want to make the world more beautiful. I'm making flowers and plants at the Ardsley Middle School.

**Katie Casanova, Ardsley**
I wanted to give back to the community and this seemed like a fun project to do — gardening, planting, re-soiling at the middle school

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## Land Use Law Center hired to work on draft village plan

By Kris DiLorenzo

The Village of Ardsley has entered into an agreement with the Land Use Law Center of Pace University for the Center to conduct public outreach for the Village's draft Comprehensive Plan and provide graphic design services.

The Comprehensive Plan, which has not been revised since 1964 and uses outdated demographics, will be overhauled. The Village will simultaneously review its Local Waterfront Revitalization Plan (LWRP).

According to Tiffany Zezula, deputy director of the Land Use Law Center, located in White Plains, Pace will work with the Village through September. Zezula is an adjunct professor at the law center, where she teaches Environmental Dispute Resolution and Sustainable Development Law.

She estimates that the total cost of the project will be approximately $40,000. The Village had allotted $40,000 in its budget to match a $40,000 grant from the New York Department of State, through the Mid-Hudson Regional Development Council. Part of that grant was used to hire planning, traffic, and marketing consultants in the first phase of planning, which had included educational public charrettes and surveys.

Pace will act as project manager, promote and facilitate public workshops, and prepare a final report for the village board on public engagement.

As required, the Village will hold public hearings on the drafts of both plans. Beforehand, the law center will offer the public more information by holding educational workshops, and more meetings to provide transparency and a variety of opportunities for citizens to give input.

The agreement notes that the Comprehensive Plan "will become the blueprint and guidance document for future planning decisions," and emphasizes the importance of engaging citizens as a way of increasing their confidence in and support for the program.

Further, the proposal states, "Public participation is a key element of the planning process; as such, involvement is critical to the planning effort's success, as well as long-term implementation of the plan. Community engagement in the process strengthens the plan by incorporating various stakeholders' and residents' local knowledge and preferences."

Pace recommends at least one large village meeting, and its work will include developing strategies to target specific groups of stakeholders and interest groups, such as meetings tailored to seniors, boards, students, businesses, and other community groups. Information collected at the workshops and other meetings will be evaluated for incorporation into the draft plan.

The plan will likely include modifications to the village code, but mostly changes to the zoning ordinances.

Traffic issues also will be addressed. The Village will work with the state Department of Transportation, because both Saw Mill River Road (Route 9A) is a state road.

The Department of State Office of Planning and Development will be involved, too. That department oversees any LWRP and has a strict checklist of regulations for LWRPs.

After an Environmental Impact Statement review, the new Comprehensive Plan will be submitted to the Westchester County Planning Board, which may provide recommendations to the village board before the plan can be adopted by the Village.

"We need to wait for the draft plan to be completely in place, then the public sessions will begin for comments and further review," Zezula explained. The number of public hearings and workshops will depend on the level of public participation and the extent of their comments. The village trustees will decide the schedule.

"The State might make comments, but part of what we'll try to do as outreach consultants will be to reach out to people to say, 'This is what it looks like,'" Zezula added.

Pace's Land Use Law Center has performed similar services for Tarrytown, New Castle, and other communities, as a neutral entity for public outreach, she said. "We also talk to the community about what other communities are doing, and discuss themes based on outreach that's already happened."

Zezula and her Pace colleagues will facilitate the dialogue between the Village and its residents, enabling all stakeholders to help shape Ardsley's future. She looks forward to the process, and stated, "Hopefully the community enjoys it as much as we do."

TIM LAMORTE/RIVERTOWNS ENTERPRISE

The existing house at 220 Heatherdell Road.

## Officials authorize $13 million for new DPW

By Kris DiLorenzo

The Ardsley Village Board passed a resolution authorizing a $13 million, 25-year bond to finance the construction of a new public works facility at 220 Heatherdell Road. The measure was approved at the board's May 6 meeting.

The new facility will enable the DPW to vacate its leased space on state Thruway Authority property at 3 Elm Street, where the DPW has operated since 1978. That site is approximately 627 feet by 31 feet, accommodating a 163-by-26-foot garage, a 57-by-30-foot salt shed, a 30-by-10-foot storage container, and a 10-by-6-foot equipment shed.

The 2.9-acre Heatherdell property, consisting of two parcels near the entrance to the Town of Greenburgh's Veteran Park, It is bounded by the Sprain Brook Parkway, McDowell Park, and a Con Edison utility right-of-way.

The Village acquired the site for $1,075,000 in 2017 from the Richard M. Greenspan Revocable Living Trust. An existing house, garage, and storage structure on the property are awaiting demolition.

The DPW facility will include a 14,000-square-foot garage, salt storage barn, fuel station, and parking. The new site can accommodate five sanitation trucks, six dump trucks, three John Deere tractors, 12 snowplows, a combination street sweeper/vacuum, and a front-end payloader, as well as assorted equipment, tools, supplies, and nearly 100 tons of salt. DPW foreman Rick Thompson has stated that at the new garage, repairing vehicles will be safer for DPW mechanics.

The Village also approved a $288,000 bond for the purchase of another garbage truck and a highway truck.

Per the village code, the bonds could be subject to a public vote, called a permissive referendum, if requested by a citizen petition.

A feasibility study conducted in the latter half of 2018 by Calgi Construction Co. of White Plains examined the DPW's current operations and projected its future needs up to 10 years ahead. Calgi is now taking a second look at those needs and working on an initial estimate and schedule for the project.

"The design is not done yet, the bidding documents are not done yet," Village Manager Meredith Robson noted. "It is still very much a project in progress. We won't know how much the project costs in total until we bid it. We would borrow funds based on the $13 million estimate."

She stated that the bond will not have an immediate effect on property taxes, but ultimately will.

The subject of property taxes arose in August 2017, when Greenburgh Public Works Commissioner Victor Carosi suggested that Ardsley share Greenburgh's DPW site, at 177 Hillside Avenue, rather than build a new facility.

Town Supervisor Paul Feiner felt that sharing services with Greenburgh could reduce costs for Ardsley taxpayers. He also expressed concern about the proposed project's effect on area residents, and its proximity to Veteran Park.

The Village posted a Q&A on its website explaining why it didn't want to share Greenburgh's facility. The document stated that it was inadequate for the Town's needs and couldn't provide the vehicle and equipment storage Ardsley requires. It also said that the Village hadn't been assured its needs would be accommodated in the future.

The Q&A also discussed operational and coordination issues that might arise, especially during emergency situations, when both the Town and Village would need the same resources. The Village argued that in such cases, the Town would get priority.

The Ardsley DPW is responsible for street, sign, sidewalk, parks, community center, and village hall maintenance; street lighting; storm and sanitary sewers; tree removal (from Village-owned property) and snow removal; refuse, recycling, and organic matter pickup; and miscellaneous other tasks.

Regarding the location of the proposed facility, the Village named several potential sites it had reviewed and found unsuitable, and promised that the facility's design and construction would take aesthetics into account.

Last week Feiner reiterated his doubts about the Village's move. "We think it's a missed opportunity to share services and cut down on taxes, and also believe it will negatively impact our beautiful Anthony F. Veteran Park," he said. "Before any decision is made regarding the easement, I would like for the town board to meet with the Ardsley board to discuss."

The easement he referenced is the Town's perpetual easement and right of way for ingress and egress over the existing driveway leading from Heatherdell Road to the proposed site. The easement was established in 1941.

Robson offered that Village officials are open to conversations about sharing services with the Town, "but we're not going to delay progress. The initial information we received was that it wasn't necessarily going to work the way we wanted it to work. We're still talking about whether or not it would be feasible. We haven't yet seen where it makes sense for us to do that. We need to hear ideas about how it would be a positive operational change for us."

Communication is ongoing among Robson, Carosi, and Anthony Catalano of Woodard & Curran, the consulting engineers who conducted the original site survey and prepared a report for the Village. Woodard & Curran will review further information provided by the Village, and the Town and Village will schedule another meeting.



## Board approves more than $1 million for infrastructure

By Kris DiLorenzo

The Village of Ardsley has passed resolutions authorizing a total of $1,063,017 in bonds for infrastructure projects.

The bonds will be used to fund improvements to Heatherdell Road, Ridge Road, and the drainage system, and to install parking lot lighting at the public library.

A $625,000 bond will pay for the construction and installation of sidewalks and guiderails on Heatherdell. That work will include demolition of existing sidewalks and curbs, tree stump removal, crosswalk striping, and restoration. Those improvements are projected to last 10 years.

The board has awarded the bid for the sidewalk project to Sentrale Contracting Corp. of White Plains, which proposed a budget of $275,538. The guiderails are a separate project, for which specs haven't yet been developed. That project will go out for bidding separately.

Since both Concord Road Elementary School and Ardsley High School are located only a short distance off Heatherdell Road, Sentrale has promised to complete their project when school is not in session.

In 2013-2014, a federal grant of approximately $425,000-$450,000 paid for the sidewalks that were installed on the portion of Heatherdell between Farm Road and McDowell Park.

A bond of $362,517 will cover the cost of milling, paving, and curbing the entire length of Ridge Road, an improvement that should last 10 years. On June 5, Ardsley and the other five incorporated villages in Greenburgh will participate in a joint road bid to try to reduce costs, as they do annually.

A $45,000 bond was authorized to pay the cost of drainage improvements in the downtown area. "This is just our required maintenance of the flood control area built by the Army Corps — basically the stretch behind the buildings in Addyman Square, up to the Shell station," Village Manager Meredith Robson explained. "We are working on getting final pricing."

The purchase and installation of LED lighting for the library, at 9 American Legion Drive, will be financed by a $30,500 bond. The poles are projected to last five years.

For non-infrastructure projects, the Village has authorized two separate bonds. A $288,000 bond will purchase a garbage truck, and a highway truck for DPW deputy foreman Patrick Lindsay. The vehicles have a life expectancy of 15 years.

The largest bond, $13 million, will finance construction of a new Department of Public Works facility at 220 Heatherdell Road, projected to last 25 years.

If requested by a citizen petition, the bonds could be put to a public vote, called a permissive referendum.

# MS4 Annual Report Form

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County Legislators MaryJane Shimsky and Nancy Barr

## Students get the lowdown on statewide plastic bag ban

By Kris DiLorenzo

County Legislators Nancy Barr and MaryJane Shimsky drew a full house to the Ardsley High School library on Monday, Feb. 24, where they met with students to discuss the statewide ban on plastic bags taking effect this Sunday, March 1.

The AHS Environmental Club, headed by co-presidents Adeel Arif and Mukund Murthy, and the Village of Ardsley's Conservation and Environment Advisory Committee, headed by Eda Kapsis, co-hosted the program.

Barr, representing District 6 (Port Chester, Rye Brook, Harrison), heads the Board of Legislators' Environment, Health, & Energy Committee. Shimsky, a committee member representing District 12 (Ardsley, Dobbs Ferry, Hastings, Irvington, and parts of unincorporated Greenburgh), has championed a countywide plastic ban since at least 2014, and was a co-sponsor of a 2014 bill (passed in 2019) banning polystyrene (trademark name Styrofoam).

On Earth Day, last April 22, Gov. Andrew M. Cuomo signed the New York State Bag Waste Reduction Act, an amendment to the Environmental Conservation Law, banning the use of single-use plastic bags. Since then, confusion has arisen about which retailers are bound by the law and which are exempt, whether and where plastic bags can be recycled, whether paper bags will be available to shoppers free or for a small charge, and what the alternatives are to plastic bags.

Shimsky spoke first, explaining that "decomposing plastic bags break down into tens of thousands of tiny particles. Both large and small aquatic wildlife eat it, but it contains no nutrients, due to the micro-particles and chemicals, so they die. A stream of plastic items is entering our environment."

She emphasized that the public needs to learn what to do "to start weaning ourselves from what is a great convenience."

DeCicco & Sons market in Ardsley has been ahead of the curve on that front, eliminating single-use plastic bags in 2018.

One concern regarding the ban is its potential impact on low-income communities. Besides the paper bag fee and the cost of reusable bags, the ban is problematic for consumers who rely on public transportation and would have to travel home from shopping carrying paper bags, which could rip.

The State is addressing that issue by providing free reusable bags to low-income communities and eliminating the paper bag fee in those communities and for beneficiaries of SNAP (Supplemental Nutrition Assistance Program) and its WIC (SNAP for Women, Infants, and Children program). Counties are free to create their own solutions.

Barr told the crowd, "I love, love, love talking to students… I love teenagers. Those in our generation see you as the great hope."

She clarified that a paper bag fee doesn't go into effect on March 1 with the rest of the law; rather, counties have the option to impose a fee. Barr noted that paper bag usage is controversial because of paper's large carbon footprint, requiring trees and water to produce, and fuel for long-distance transport to users.

Last year, Rye Brook imposed a 10-cent fee for paper bags. "It made people stop and think; it raises awareness," she stated.

The evening of the AHS event, a bill to charge 5 cents per paper bag was introduced in the county legislature. Three cents would go to New York's Environmental Protection Fund, and two cents to help local governments provide reusable shopping bags to residents. According to Shimsky, the vote will take place in April.

Barr and Shimsky provided a brief show-and-tell with different types of reusable bags. One folded flat and could be kept in a pocketbook. The other reduced to tennis ball size, fitting into a drawstring bag.

The legislators then announced "Big Clean Westchester," an environmental initiative to take place in April and May, in honor of the 50th anniversary of Earth Day. The legislators alerted municipal officials and community groups, encouraging them to plan local events. Students can form their own cleanup teams by contacting their Village or Town, or join one by visiting VolunteerNewYork.org for postings about cleanups.

The students posed astute questions to the legislators, comparing the carbon footprints of paper bags and reusable bags; the number of times a bag must be used to balance out its footprint; the possibility of a paper bag shortage; and what to do with existing plastic bags.

One idea for plastic bag disposal was to use a form of recycling, install a receptacle at supermarkets, for customers to "take a bag, leave a bag." Shimsky also suggested using plastic bags from inside Amazon's packages as wastebasket liners. She added that making "micro-decisions" leads to making different lifestyle choices.

At the end of their Q&A, Barr and Shimsky were each gifted with a reusable string bag, one black, one coral.

The event's final speaker was Anne Jaffe Holmes, managing director of Federated Conservationists of Westchester County (FCWC). "County legislators want to hear from you," she exhorted the audience. "Policies passed now will affect your future."

Holmes announced the Westchester County Youth Climate Action Summit, organized by high school and college students, which takes place on Wednesday, March 11, at the County Center in White Plains. "Legislators and experts will meet with small groups for round-table discussions," Holmes explained.

She encouraged the students to attend, citing feedback from FCWC interns and externs that their education isn't preparing them for the future economy and culture.

"The ban is just a beginning," was Barr's final statement. "We have to get people into the mindset that we need to produce less waste. There's so much to do."

The Environmental Club has already taken action. "What we have done with the ban is contact about 30 local places near us, including grocery stores and restaurants, and called to see if they knew about the ban and what they are doing to educate customers," Murthy explained.

Eda and Arif, both CEAC board members, were gratified by the event.

"I thought it was amazing," Arif said. "We wanted to raise awareness about a more eco-friendly world. I didn't expect this many people to come." He also was impressed by the students' questions. "They're genuinely interested — that's what I'm excited about."

Teacher Dan Sheridan reads "Arthur Turns Green" to students.

## Concord Road students on mission of '4 Rs'

By Kris DiLorenzo

Concord Road School students sent up a mighty roar on behalf of the environment last Friday afternoon.

Nearly 900 children, from kindergarten through fourth grade, sat on the gymnasium floor for a special assembly to learn about actions they can take to help the earth.

As part of a statewide civic readiness effort, students are developing an awareness campaign — Refuse, Reduce, Reuse, Recycle — that will culminate in a June march on the campus. "Refuse," a new concept for the students, means refusing to buy or use products that are harmful to the environment, e.g., plastic shopping bags.

In a schoolwide vote last November, the students chose which of their top two priorities to focus on: the environment or kindness. The environment won, with a 62 percent majority.

However, Concord Road Principal Jennifer Darling observed, "Taking care of the environment is still being kind."

Student Council supervisor and fourth-grade teacher Dan Sheridan emceed the Jan. 24 assembly, introducing seven visiting members of the Ardsley High School Environmental Club as "rock stars," and cheerleading the children's choice of causes to support.

"We're going to take action every day, every week, every month," Sheridan declared. "We're going to be global citizens — and save the world!"

Sheridan noted examples of "plan-et-saving kids": Swedish activist Greta Thunberg, Ardsley Middle School's Hannah Posner, and Concord Road's 20¢ pint-sized deputy supervisors for recycling sworn in earlier this month by Town of Greenburgh Supervisor Paul Feiner.

Thunberg, now 17, is internationally known, while Posner organized last December's Climate Change Rally held in Pascone Park.

While Sheridan read aloud (and in character) from Marc Brown's "Arthur Turns Green," in which the rodent-like Arthur teaches his family how to "go green," the picture book's pages were projected on a screen.

Concord Road students aren't going green alone. With assistance from the AHS Environmental Club and the village's Conservation and Environment Advisory Committee, they'll involve their families and community in the "four Rs."

During the assembly, the children gleaned tips about small changes that add up to big impact, such as bringing reusable water bottles to school rather than plastic ones, because plastic cups, bottles, and bags are big polluters. Proper disposal of waste products was the subject of a game in which five volunteers from Concord Road were asked what to do with specific items when faced with various collection bins, while their schoolmates shouted out answers. The participants won metal straws to replace paper and plastic ones.

The children also learned what to do with old or broken toys, such as dolls and LEGO pieces, rather than relegating them to the garbage. Some might be suitable for donating to children in need, and plastic or metal toys can be sent to TerraCycle, a company offering free recycling programs funded by brands, manufacturers, and retailers to collect and recycle hard-to-recycle waste.

Each month until June, the students will focus on a different aspect of Refuse, Reduce, Reuse, Recycle, exploring what they can do to raise awareness of how individual behavior affects the environment.

"We want them to take ownership, talk with their parents and their school peers, to take action in their community… so it's more than one day in June," Sheridan told the Enterprise. "True change will come from the kids."

Concord Road students hold signs that spell out "ROAR".

Further, each class chooses to work on a specific aspect of the environment, e.g., climate change, animal habitats, the rain forest. In June they'll celebrate actions they've taken, and plan how to continue on their own during the summer.

"We're trying to empower the kids toward active knowledge, curiosity, and passion outside the school," Sheridan elaborated, "to engage students to take up the baton and run with it themselves. It's not classwork."

Students will involve the larger community through an electronic newsletter or e-mail blast to parents and others, updating them on the mission and how they can help. A series of instructional videos with the Student Council giving tips for action is also a possibility that may generate conversations at home.

Starting small creates awareness for the students. Darling asked them to pay attention over the weekend to how many items they could recycle, to talk with their parents about what they learned at the assembly, and to place waste into the correct bins, if there are bins at home. "They start to see where they can make a difference," Darling added.

Veteran second-grade teacher Jill Rogovcic, who is also K-4 social studies curriculum leader, worked with Sheridan to stage the election, and is helping students understand how they advocate for their environment. "We really want them to understand what they're marching for, why the environment is important," she stated. "We want them to have a bigger picture of the environment."

Rogovcic is now discussing with Julie Ford, coordinator of the after-school program, the idea of starting a program about the environment.

Fourth-grader Ellie Firsenbaum was a Student Council representative last year. On the school's election day, she asked her peers, "If you were king or queen of the world, what would you do?" Cleaning up the environment was the answer from many.

Last year her class did a cleanup at Dobbs Ferry Waterfront Park. "We found a lot of plastic," she related. "A friend's mom pulled out a slipper. We found fabric, clothes. We put it in garbage bags and Ms. [Kimberly] Blaise, the third-grade teacher, took it away."

Ellie described the sustainability effort in the school cafeteria: "We made signs to go on the recycling bins. It still needs a little bit of improvement, but we're getting there. Sometimes kids don't read the signs and they put food that's on a cardboard plate in the cardboard bin because they just throw the whole thing in."

Ellie promotes awareness at home, too. She reminds her brother David, 8, not to put his plastic bottle in just any bin. Josh, 3, is too young to understand, but Ellie demonstrated recycling by using old cardboard to make him a toy cash register. "My favorite is reusing — turning something into something new," she said. "I like finding new ways to do things."

Rogovic emphasized, "We want to show the kids that they really do have a voice."

The Concord Road students needed no coaching. At the closing of their event, a dozen children lined up, four of them holding placards spelling out "ROAR," and the entire assembly delivered the Ardsley Panthers' anthem at a fearsome volume: "We are the Panthers! Let's roar! We are Respectful! We are Outwardly kind and caring! We are Always safe! We are Responsible! We are Panthers! Hear us roar!"

They capped the song with a ferocious roar.



## Eighth-grader musters support to counter climate change

By Kris DiLorenzo

Ardsley Middle School eighth-grader Hannah Posner spearheaded the Rivertowns Rally for the Climate event last Friday afternoon, Dec. 6, at Pascone Park.

Posner, with help from her younger sister, eighth-grader Talia, put together an event featuring an array of speakers including students, two rabbis, two Congressional candidates, a pastor, mayor, town supervisor, and state senator.

The after-school rally opened with chants of "Hey hey, ho ho, climate change has got to go!" and "What do we want? Climate justice. When do we want it? Now!"

Rabbi Lester Bronstein of Bet Am Shalom in White Plains spoke first, addressing a longstanding argument usually made in either/or terms. "Religion is not contradictory to science," he stated. "They're two different things."

Bronstein enumerated incontrovertible facts about climate change, and declared, "The climate crisis affects the poor first and worst."

He also offered the Bible's story of Adam and Eve seen through a modern lens, interpreting its message as a divine charge to take care of the Earth. "Fellow humans, let's do our job," he concluded.

Ardsley Mayor Nancy Kabordian thanked Posner for bringing awareness to the community, saying, "It takes a collective voice to make a difference." She assured the young activists, "We, as your elected officials, hear you, and we are working toward climate justice."

Town Supervisor Paul Feiner gave a rundown on steps Greenburgh has taken, including installing solar panels on the Greenburgh Town Hall roof, instituting a food scrap recycling program, incorporating a green building initiative and energy conservation construction standards into the building code, replacing street lighting with energy-efficient LED lighting, and offering school tax relief through the STAR Energy exemption, among other measures.

"We feel that climate change is a war," he said. "We're going to win this battle."

State Sen. Andrea Stewart-Cousins praised the students' efforts. "They can teach the Legislature," she asserted. "They didn't care that grownups weren't listening." She told the Posners, "You've already demonstrated significant leadership," and presented a proclamation declaring last Friday "Rivertowns Rally for the Climate Day." She then asked parents to join the speakers in the gazebo, thanking them for raising "enlightened children."

Remarks by the Rev. Emily Brown, pastor of First Reformed Church in Hastings, echoed Bronstein's, reminding the audience, "The Earth does not belong to us," and that it is humanity's task to tend and steward, "to take our responsibility seriously. We all know the science." About the children's leadership, she said, "It's not supposed to be their job. It's the job of grownups to lead them."

Ardsley's revived Conservation and Environmental Advisory Committee (CEAC) was represented by chair Eda Kapsis and vice chair Asha Bencoume, who gave a "shout-out" to Kabordian. Ardsley Trustees Evan Yager and Steve Edelstein, and Feiner.

Kapsis also mentioned a movement afoot in Ardsley to install charging stations for electric vehicles, and reminded people about the availability of home energy audits from NYSERDA (New York State Energy Research and Development Authority).

Student volunteers Ana Laurient, Sophie Huang, Gabriele Nunes, and Trisha Iyer then took turns speaking. "I'm 11 years old, I'm an ordinary person, and I can still make a change," Ana stated. "We need to stand up now for what we believe in."

Hannah Posner

A musical interlude followed, as eighth graders Owen Montgomery, on guitar, and Jessica Wendt, vocalist performed John Lennon's classic, "Imagine."

Posner, fellow middle school student Hannah Whitehead, and Ardsley High School Environmental Club representatives Mukund Murthy and Adeel Arif also spoke.

"I got the idea to organize this event because I was inspired by the many teenagers that are leading strikes and rallies all over the world and I felt it was important for people right here in the Rivertowns to make their voices heard too," Posner explained. "I can't vote yet. Therefore, I am urging adults to vote for a candidate who will take this issue seriously. If you don't consider climate change when you vote, can you really say that you care about your children's future?"

She closed her speech by saying, "The Rivertowns might be small, and there are larger gatherings going on, but here we are making our own small difference. I believe that all these small things added up are giant. Together, we can fix this climate crisis."

A reprise of "Imagine" ended the event on a hopeful note.

On Dec. 9, reflecting on the event, Posner said, "I was thankful and happy to see all the people that came out to support the cause, especially the elected officials, clergy, and students that spoke. It was a great opportunity to meet more people who care about saving the Earth."



Ardsley

Happenings

**The conservation and environmental advisory committee** meets Thursday, Dec. 5, 7 p.m. in village hall.

**Rivertowns Rally for the Climate** next Friday, Dec. 6, 3-4 p.m. at Pascone Park, organized by local middle and high school students. For more information, contact Ardsley Middle School eighth-grader Hannah Posner at hannahsposner@gmail.com or Rachel Posner at rachelbposner@gmail.com.



Ardsley

Happenings

**Rivertowns Rally for the Climate** today (Dec. 6), 3-4 p.m. at Pascone Park, organized by local middle and high school students. For more information, contact Ardsley Middle School eighth-grader Hannah Posner at hannahsposner@gmail.com or Rachel Posner at rachelbposner@gmail.com.

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9,** 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

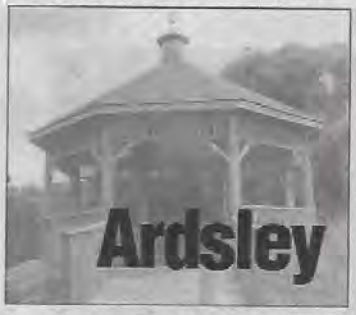


## VILLAGE VIEW

ANNE MARIE LEONE/RIVERTOWNS ENTERPRISE

**Linda Keil and Arline Weston of the Ardsley Garden Club tend to the plot outside the public library on Saturday, May 18.**






## Happenings

The **garden club** presents conservationist Amanda Bayle to give a PowerPoint presentation about native plant gardening on Tuesday, Oct. 1, 12:30 p.m. at the public library. For more information, call 693-4206.



# Panel spreads the positives about pollinator gardens

By Kris DiLorenzo

At the Rivertowns Pollinator Forum on Feb. 27 at Dobbs Ferry's South Presbyterian Church, an audience of approximately 75 learned about the birds and the bees — the kind that pollinate plants.

The program was sponsored by Roots & Wings, the church's sustainable living initiative; Sustainable Dobbs, chaired by Alissa Fasman; and the Dobbs Ferry Conservation Advisory Board (CAB).

Lenore Person of Roots & Wings moderated the event, which featured speaker Kristen O'Hara, conservation programs coordinator for Westchester Land Trust; four Rivertowns residents who maintain their own pollinator gardens or are creating public pollinator gardens; and a Q&A session.

O'Hara explained why pollinators — birds, bees, bats, butterflies, and other insects — are vital to humans and their environment, why some of those pollinators are dying off, and how people can make a difference by what they plant or don't plant in their gardens.

She talked about the national Pollinator Pathways effort that has caught on in more than 30 Westchester communities, including Dobbs Ferry, Hastings, and Irvington. A pollinator pathway is a corridor of public and private properties that provides native plant habitat and nutrition for pollinators.

A healthy habitat for pollinators is crucial to the food supply: they are responsible for the fertilization of 80 percent of all plants. The primary tenets of sustainability are rethink your lawn, plant native plants, and don't use pesticides.

"The Story of 2 Dogwoods," part of O'Hara's PowerPoint presentation, illustrated the importance of using native plants in gardens and parks. The two-sentence "story," with photos, contrasted native dogwood (Cornus florida) with Japanese dogwood (Cornus kousa): native dogwood supports an entire food web, and is host to the Spring Azure butterfly; Japanese dogwood doesn't sustain any North American butterfly — rather, it's food for monkeys in its native range.

"People are using pesticides that are killing the foods pollinators eat, and the pollinators," Persons told the Enterprise, "and lawns are not the land that pollinator plants grow on."

Rivertowns residents have been forming groups to create pollinator pathways at local sites.

In Dobbs Ferry, Person, Mickey Mossaidis, and CAB member Sue Galloway, as the Friends of the High Street Parcel, are advocating for transforming the land at the intersection of High Street and Palisade Street into a stop on the pollinator pathway. At the close of the forum, Mossaidis distributed a partial list of native plants appropriate for a pollinator garden. An extensive list is available at dfpollinatorpathway.blogspot.com.

Nathaniel Johnston spoke about his yard on Bellewood Avenue. "He's new to gardening," Person commented. "He threw seeds onto the earth and it looked fabulous."

Tara Bandman, co-adviser of the Ardsley High School Environmental Club (with Bianca Palucci), spoke about Walgrove Neighborhood Island, a pocket park on Walgrove Avenue waiting for approval from the Village. Bandman's group has a design for the spot.

Artist Carol Sommerfield spoke about her thriving yard on Orlando Avenue in Ardsley, where she started using native plants long before it was "trendy."

Another potential location for a pollinator garden is Chauncey Park, adjacent to Rivertowns Square. The Chauncey Park group is led by Chet Kerr, a board member of the Greater Irvington Land Trust (GILT), who spearheaded the launch of Irvington's Pollinator Pathways project.

The Gould Park Playground Committee, represented by Clay Kaminsky, wants a native plant garden installed near the public pool on Ashford Avenue; Friends of the Dobbs Ferry Waterfront Park are interested in planting a native garden on the riverfront; and those who want to be involved in a well-established pollinator pathway can work in the Kitchen Garden and Labyrinth at South Church.

"All of us have a little bit of land that we have influence over, like a park or school garden, that can aid pollinators," Person noted. "Each person can make a difference... on public lands. A nod to Dobbs Ferry's Adopt-a-Park program — we're able to make public lands fruitful."

According to the Village website, "Adopt-An-Island/Park is a program in which the public can assist in the enhancement, upkeep, and preservation of the designated Village-owned traffic islands, road-adjacent spaces as well as sections of each park within the Village either through volunteer labor or financial sponsorship."

Details of the program can be found at dobbsferry.com/recreation-department/pages/adopt-parkadopt-island-program.

The Q&A session was lively, with forum attendees posing queries including, "I live in a condo community. What are the first steps to encouraging my landscapers to do the right thing?" and "What can I plant that's good for the pollinators and that the deer won't eat?"

Those who couldn't attend the forum, but want to connect with community projects or join the Dobbs Ferry pollinator pathway email list, should visit dfpollinatorpathway.blogspot.com.

O'Hara was gratified by the success of the forum, commenting in a note to Person afterward, "What an amazing launch! Congratulations. That room was full of energized and thoughtful community members eager to make valuable changes in their neighborhoods. I am so glad I was there to witness all that passion. I can't wait to see how all those projects develop."

# MS4 Annual Report Form

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THE RIVERTOWNS Enterprise

VOLUME 44, NUMBER 7 • MAY 17, 2019

## Food scrap recycling picks up momentum

By Jackie Lupo

REGION — Until 2018, composting food waste in the Rivertowns was a backyard endeavor. Now, spearheaded by composting proponents, the Town of Greenburgh and its six villages continue to expand that practice.

Earlier this month, both Dobbs Ferry and Hastings placed food scrap collection bins at their departments of public works. In addition, food scraps can continue to be dropped off at Veteran Park in Ardsley, a program that started in January 2018, and at the Irvington Farmers' Market, which also started accepting compostables last year.

According to Lindsay Cohen of the Greenburgh Nature Center, which oversees the site at Veteran Park for the Town of Greenburgh, about 1,000 households participated in 2018, resulting in 64 tons of food waste. In 2020, composting in Greenburgh should receive an even bigger a boost.

"We're going to be doing curbside pickups for the villages and unincorporated Greenburgh next year," Greenburgh Town Supervisor Paul Feiner said on May 10. "We're ordering new vehicles. I think this is a really important initiative — it seems we have a lot of village residents participating in it. So I think the people in the unincorporated area and the river villages will really embrace this."

In February, the Town of Greenburgh applied for a State Environmental Protection Fund grant of $250,000 for food scrap recycling. Feiner expects the curbside program to happen with or without the grant. "We also put money in the capital budget for it," he said.

The drop-off site at Veteran Park, at 11 Olympic Lane on the Ardsley/Greenburgh border, is open every day from 8 a.m. to 8 p.m. Food scrap recycling starter kits cost $20 and consist of a small countertop pail, a 6-gallon transportation bin, a 25-bag roll of bags for the countertop bin, and an instruction guide. The kits and additional bags can be bought at the Veteran Park administration building daily from 10 a.m. to 4 p.m. Checks (no cash or credit cards) are accepted. To date, about 900 starter kits have been sold.

Similar food scrap recycling kits are for sale at the Hastings Parks and Recreation Department, located at the James Harmon Community Center on Main Street, and at the Dobbs Ferry Department of Public Works, located off Stanley Avenue, next to Rivertowns Square.

While local sustainability groups wait for curbside pickup to begin, they continue to encourage their neighbors to incorporate food waste recycling into their household routine.

According to Haven Colgate of the Hastings Conservation Commission, the decision to establish a drop-off site at the Hastings DPW was precipitated by the success of last year's collection program, which started with bins at the Hastings Farmers' Market, then moved to a dumpster at the Zinsser Commuter Parking Lot off Southside Avenue because of high demand. Even though the dumpster was only available on Saturdays, during farmers' markets, "It was basically full once a week," she said. Starting May 2, the food scrap collection site was moved to the DPW on Southside Avenue, where compostable materials can be dropped off every day from dawn until dusk.

Unlike a backyard composter, "This food scrap drop is capable of accepting everything from meat bones and oyster shells to leftover lasagna and certified compostable plastics," Colgate said. She pointed out that "biodegradable" is not the same as "compostable" when it comes to plastics. "If you don't know if it's compostable or not, throw it out or put it in the recycling bin."

Colgate encourages people who drop off food scraps to sign up for the program by e-mailing conservationcommission@hastings-gov.org, which will help the commission gauge the number of people using the drop-off site.



## Village builds upon clean energy success

By Kris DiLorenzo

The New York State Energy Research and Development Authority (NYSERDA) has designated the Village of Ardsley a Clean Energy Community.

Ardsley was awarded the designation for completing four high-impact actions, from a list of 10 choices, that would protect the environment by reducing energy consumption and the village's carbon footprint. The village administration took the following actions: completed energy code enforcement training for its code compliance officer; converted streetlights to energy-efficient LEDs; implemented Westchester Power's Community Choice Aggregation (CCA) program for bulk purchasing of energy; and adopted a benchmarking policy to track and report the energy use of municipal buildings.

Ardsley is now eligible to apply for a NYSERDA grant of up to $250,000 to support additional clean-energy projects, and subsequently will be eligible for a $5,000 grant. That fund source was exhausted as of this writing, but additional money was to be put in place, though the State had not yet set a date.

In tandem with the four actions, the village board created the Conservation and Environmental Advisory Committee (CEAC), with Eda Kapsis as chair. CEAC's predecessor, the Environmental Advisory Committee, was established in 2007, but became inactive in 2010.

The board's July 1 resolution to establish CEAC reads: "CEAC will help to educate and advise the Village of Ardsley officials, residents, businesses, and school district on the effective use of resources so that each may contribute as exceptional stewards towards a sustainable village environment." Trustee Evan Yager is the village board liaison to CEAC.

Mayor Nancy Kaboolian stated, "The CEAC will advise the board on relevant issues and opportunities, and provide environmental education, information, and best practices to residents and businesses."

Larry Tomasso, as Ardsley's building inspector, is the Village's code compliance officer, and underwent the training last year. Schenectady-based Newport Ventures, a research and consulting firm, conducted the training as part of the Clean Energy Communities program.

As its first high-impact action, the Village began converting streetlights to LED in 2016. There are now 416 LED lights, which are expected to reduce municipal energy consumption by 180,000 kilowatts per year, saving approximately $45,000 annually.

Last November, Ardsley joined Westchester Power's CCA, which offers residents and small businesses the opportunity to purchase either standard energy (coal, oil, gas, or nuclear) or "green" energy (generated by wind power), from Constellation Energy, as an alternative to using Con Ed as the electricity supplier.

Eda Kapsis, Owen Kapsis, and Asha Bencosme

Currently 1,302 Ardsley homes and small businesses participate in CCA. Those customers pay fixed rates, which are lower than Con Ed's variable rates.

The Village is now tracking energy usage at all municipal buildings: village hall (which houses the police department), the community center, fire department, department of public works garage, and public library. The firehouse uses solar panels as an energy source.

"The [federal] Department of Energy provides the program we'll use to track the [energy] use," Village Manager Meredith Robson told the Enterprise in an e-mail. "We'll review it to see if there are efficiency options available to better utilize energy." The tracking will be on a permanent basis.

As to whether the Village will decide to complete more clean energy actions, she stated, "We'll consider anything that makes sense for us."

Kapsis, formerly CEO of Red Thread Coffee, a Brooklyn-based startup selling organic cold-brew coffee, said the CEAC's mission is "To help village government, residents, businesses, and institutions live and operate sustainably by consistently using resources effectively and living as resilient practitioners of excellence in stewardship of our environment."

More specifically, Kapsis added, "The Committee promotes reduction of greenhouse gases, energy efficiency, and a shift to renewables; waste reduction and multi-stream waste processing; sustainable transportation and construction; and sound land use. It builds goodwill and resiliency through shared projects with residents, employees, businesses, and visitors to our village, and sustains strong partnerships with elected officials, village committees and boards, municipal staff, educational and not-for-profit (non-governmental) institutions, and local businesses."

In September, she'll present the village board with a 90-day plan and a six-month outlook. The plan will include educational components, speaker engagements, and suggestions as to how Ardsley can "ramp up, given where other municipalities are in the county."

Kapsis praised Alissa Fasman, chair of Dobbs Ferry's Sustainability Task Force, as "incredible," citing the Community Action Plan as an outstanding example of the task force's work. "All hail Dobbs!" she quipped.

The CEAC will most likely comprise six members. Kapsis would like the board to consider first appointing Lorraine Kuhn, who handles stormwater management for the Village; former CPA Asha Bencosme; and Ciaran Doyle, who has experience with residential solar power systems. Owen Kapsis, a rising senior at Ardsley High School, already volunteers with the CEAC. He is the son of Kapsis and Pamela Mills, the interim dean of the School of Natural and Social Sciences at Lehman College in the Bronx.

CEAC will work with other Village departments, citizen groups, and the schools. Eda Kapsis has met with the Ardsley Garden Club, heads of departments of public works from other villages, and teacher Tara Bandman, adviser for the high school's new Environmental Club. She'll soon meet with Robson to discuss priorities and how the CEAC can be helpful.

The $16 million Clean Energy Communities initiative was announced by Gov. Andrew Cuomo in August 2016. NYSERDA provides information and analysis, innovative programs, technical expertise, and support to help increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels.

**MS4 Annual Report Form**

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Scout Cleanup 4/6/2019

Ardsley Cares Cleanup 10/26/2019

Great Saw Mill River Cleanup 4/13/2019

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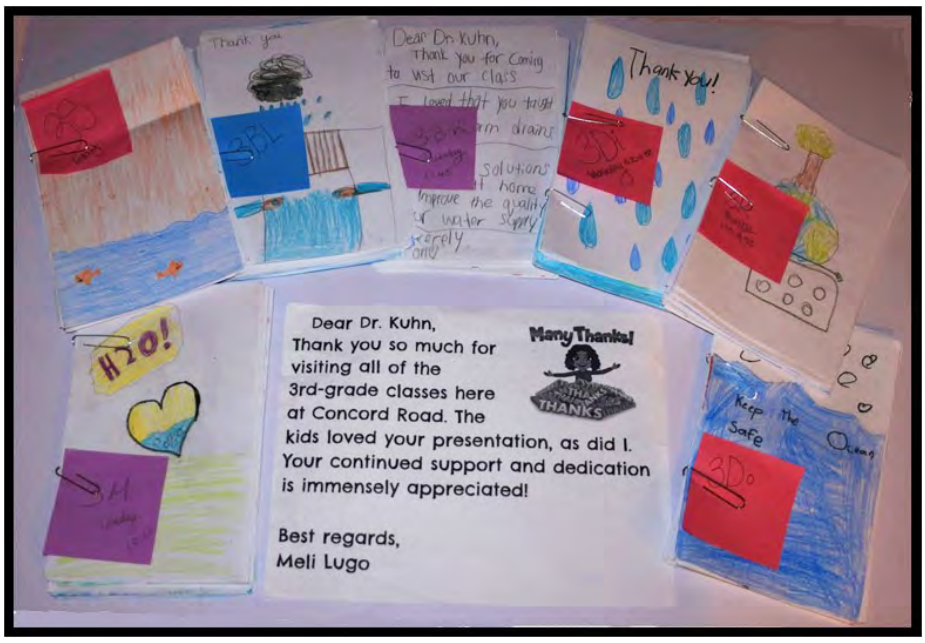
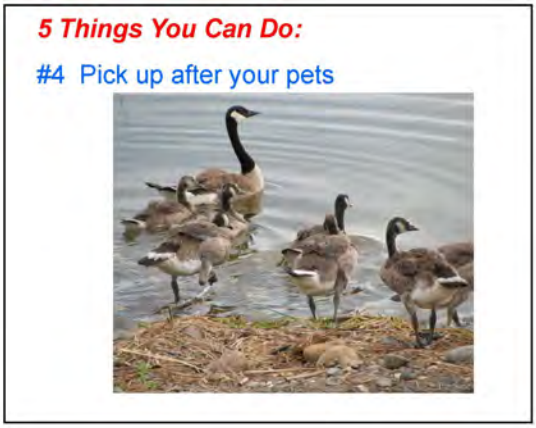
Concord Road Elementary School Enviroscape Program 2019



Ardsley Middle School Program 2019



## MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9,** 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

GREEN ROOF DEMO AT McDOWELL PARK 5/5/2019

**MS4 Annual Report Form**

**This report is being submitted for the reporting period ending March 9,** 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

**Trees for Tribs - Silliman Park**
**10/19/2019**

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Bronx River/Sprain Brook | Outfall ID: AZ36 |
| Today's date: 3/18/2019 | Time: 1:00 PM |
| Investigators: Caceres, Kuhn | Form completed by: |
| Temperature (°F): 28° \| Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: N 41°00.677' \| Longitude: W 73°50.952' \| GPS Unit: Garmin etrex \| GPS LMK #: | |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | Open Space |
| Ultra-Urban Residential | Institutional AHS |
| X Suburban Residential | Other: Veteran's Park, Mc Dowell Park |
| Commercial | Known Industries: |

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

| LOCATION | MATERIAL | SHAPE | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|
| X Closed Pipe | RCP X CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular X Single<br>Elliptical Double<br>Box Triple<br>Other: Other: | Diameter/Dimensions:<br>18" | In Water:<br>X No<br>Partially<br>Fully<br>With Sediment:<br>X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | | | | |
|---|---|---|---|---|
| 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 | | 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 | |

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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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!! | Construction debris | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | corrosion | Spalling Cracking or Chipping Peeling Paint X Corrosion | bottom front |
| Deposits/Stains | No | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | n/a | Odors Colors Floatables Oil Sheen<br>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? | Yes X No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ51 |
| Today's date: 4/18/2019 | Time: 1:00 pm |
| Investigators: Caceres, Kuhn | Form completed by: |
| Temperature (°F): 51° \| Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: N 41°01.035 \| Longitude: W 73°50.487 \| GPS Unit: Garmin etrex \| GPS LMK #: | |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | Open Space |
| Ultra-Urban Residential | X Institutional |
| X Suburban Residential | Other: |
| Commercial | Known Industries: Concord Rd Elementary |

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

| LOCATION | MATERIAL | SHAPE | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|
| X Closed Pipe | X RCP CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular X Single<br>Elliptical Double<br>Box Triple<br>Other: Other: | Diameter/Dimensions:<br>48" | In Water:<br>X No<br>Partially<br>Fully<br>With Sediment:<br>X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | 54 | °F |
| pH | 7.5 | units |
| Ammonia | 0 | mg/l |

| | | | | |
|---|---|---|---|---|
| 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 | |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | 550, 600, 600 | Liter | | Bottle |
| | Time to fill | 1.60, 1.44, 1.40 | Sec | 6.26 gal/min | 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 | |

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<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Slight yellow | Clear Brown Gray X Yellow<br>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!! | yes | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: trash | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | slight | Excessive Inhibited | Forsythia |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: | |
| Pipe benthic growth | no | Brown Orange Green Other: | |

**Overall Outfall Characterization**

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

**Section 7: Data Collection**

| | | | |
|---|---|---|---|
| 1. | Sample for the lab? | Yes | X No |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | X Yes No | If Yes, type: OBM Caulk dam 1:27 PM |

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

Collected: 4/19/2019 2PM
Wet: NEG
Dry: NEG 5/16/2019

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ18 |
| Today's date: 5/24/2019 | Time: 3:15 PM |
| Investigators: Caceres, Kuhn | Form completed by: |
| Temperature (°F): 70° \| Rainfall (in.): Last 24 hours:0.59" Last 48 hours: 0.59" | |
| Latitude: \| Longitude: \| GPS Unit: Garmin etrex \| GPS LMK #: | |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | X Open Space |
| Ultra-Urban Residential | Institutional |
| Suburban Residential | Other: |
| X Commercial | Known Industries: Restaurants, Supermarket, Macy Park, Nail Salon |

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

| LOCATION | MATERIAL | SHAPE | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|
| X Closed Pipe | X RCP CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular X Single<br>Elliptical Double<br>Box Triple<br>Other: Other: | Diameter/Dimensions:<br>30" | In Water:<br>X No<br>Partially<br>Fully<br>With Sediment:<br>No<br>X Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | | | | |
|---|---|---|---|---|
| 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 | | 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 | |

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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily X Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | n/a | Odors Colors Floatables Oil Sheen<br>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? | Yes X No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

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Outfall Reconnaissance Sheet

| | |
|---|---|
| Sprain Brook/Bx Riv | Outfall ID: AZ37 |
| Today's date: 6/7/2019 | Time: 3:20 PM |
| Investigators: Caceres, Kuhn | Form completed by: |
| Temperature (°F): 73° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial | Open Space |
| Ultra-Urban Residential | Institutional |
| X Suburban Residential | Other: Known Industries: |
| Commercial | |
| Notes (e.g., origin of outfall, if known): | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | X RCP CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>16" | In Water:<br>No<br>Partially Fully<br>With Sediment:<br>No<br>Partially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | | | |
|---|---|---|---|
| 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 | | 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 | |

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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: | |
| Pipe benthic growth | No | Brown Orange Green Other: | |

**Overall Outfall Characterization**

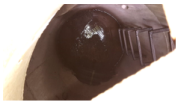
Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

**Section 7: Data Collection**

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

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

Collected:
Wet:
Dry:



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Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ15 |
| Today's date: 07/05/2019 | Time: 10:15 AM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 75° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: 41 00 802 Longitude: 73 50 835 | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial | Open Space |
| Ultra-Urban Residential | Institutional |
| Suburban Residential | Other: |
| X Commercial | Known Industries:Dry Cleaner, Restaurant, Gas Station, Veterinary Hospital |
| Notes (e.g., origin of outfall, if known): Ponding area #2 | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | X RCP CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>36" | In Water:<br>No<br>X Partially Fully<br>With Sediment:<br>No<br>X Partially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | 80 | °F |
| pH | 7.0 | units |
| Ammonia | 0 | mg/l |

| | | | |
|---|---|---|---|
| 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 |

FIELD DATA FOR FLOWING OUTFALLS

| 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' 2" | Ft, In | 15.9 gal/min | Tape measure |
| | Flow width | 0' 5" | Ft, In | | Tape measure |
| | Measured length | 1' 4" | Ft, In | Tape measure | |
| | Time of travel | 2.97", 2.69", 2.72" 2.40" 2.32" | 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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Faint yellow | Clear Brown Gray Yellow - 1<br>Green Orange Red Other: | 1 – Faint colors in sample bottle | 2 – Clearly visible in sample bottle | 3 – Clearly visible in outfall flow |
| Turbidity | slight | See severity - 1 | 1 – Slight cloudiness | 2 – Cloudy | 3 – Opaque |
| Floatables -Does Not Include Trash!! | Oil sheen | Sewage (Toilet Paper, etc.) Suds<br>X Petroleum (oil sheen) -1 Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line, rust | Oily X Flow Line Paint Other: rust | |
| Abnormal Vegetation | inhibited | Excessive X Inhibited | tall grasses |
| Poor pool quality | slight | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: silt & mud | |
| 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: XOBM Caulk dam 10:57 AM |

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

Collected: 7/6/2019 4:30 PM
Wet: NEG
Dry: NEG 7/18/2019

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Sprain Brook/Bx Riv | Outfall ID: AZ45 |
| Today's date: 7/25/2019 | Time: 10:15 AM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 80° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial | X Open Space |
| Ultra-Urban Residential | X Institutional |
| Suburban Residential | Other: Known Industries: Pascone Park , AMS |
| Commercial | |
| Notes (e.g., origin of outfall, if known): Pascone Park | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP CMP<br>X PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>9" | In Water:<br>No<br>Partially Fully<br>With Sediment:<br>No<br>Partially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | 78 | °F |
| pH | 6.8 | units |
| Ammonia | 0 | mg/l |

| | | | |
|---|---|---|---|
| In-Stream | (applicable when collecting samples) | | |
| Flow Present? | Yes | No | If No, Skip to Section 5 |
| Flow Description (If present) | X Trickle | Moderate | Substantial |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | 40ml, 50ml, 30ml, 40ml, 35ml, 25ml | Liter | 0.07 gal/min | Bottle |
| | Time to fill | 5.53, 9.75, 10.22, 8.87, 9.88, 7.78 | 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 | |

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<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | No | Clear Brown Gray Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Silt, algae | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Slight | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>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 10:52 AM Caulk dam |

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

Collected: 7/26/2019 2:30 PM
Wet: NEG
Dry: NEG 7/29/2019

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

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Outfall Reconnaissance Sheet

Subwatershed: Saw Mill River | Outfall ID: AZ8
Today's date: 7/30/2019 | Time: 3:40 PM
Investigators: Zewdie, Kuhn | Form completed by:
Temperature (°F): 91° | Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0"
Latitude: | Longitude: | GPS Unit: Garmin etrex | GPS LMK #:
Camera: Samsung Galaxy | Photo #s:

Land Use in Drainage Area (Check all that apply):
Industrial; Open Space; Ultra-Urban Residential; Institutional; Suburban Residential; Other: Restaurants, Doctors Office, Hair Salon; XCommercial; Known Industries:

Notes (e.g., origin of outfall, if known): Ponding Area #1

| LOCATION | MATERIAL | SHAPE | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|
| XClosed Pipe | XRCP CMP; PVC HDPE; Steel; Other: | XCircular; Elliptical; Box; Other: / XSingle; Double; Triple; Other: | Diameter/Dimensions: 18" | In Water: No; XPartially; Fully. With Sediment: No; XPartially; Fully |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | Depth: Top Width: Bottom Width: | |
| In-Stream | (applicable when collecting samples) | | | |
| Flow Present? | Yes XNo standing water | If No, Skip to Section 5 | | |
| Flow Description (If present) | Trickle Moderate Substantial | | | |

| | | |
|---|---|---|
| Temp | 90 | °F |
| pH | 7.5 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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 Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | grey | Clear Brown XGray Yellow Green Orange Red Other: | 1 – Faint colors in sample bottle | 2 – Clearly visible in sample bottle | 3 – Clearly visible in outfall flow |
| Turbidity | slight | See severity | 1 – Slight cloudiness | 2 – Cloudy | 3 – Opaque |
| Floatables -Does Not Include Trash!! | Slight oil sheen | Sewage (Toilet Paper, etc.) Suds XPetroleum (oil sheen) Other: trash | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Orange stain | Oily XFlow Line Paint Other: | |
| Abnormal Vegetation | No (cleared out) | Excessive Inhibited | |
| 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 | XNo |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | Yes X No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

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Outfall Reconnaissance Sheet

Subwatershed: Saw Mill River | Outfall ID: AZ2
Today's date: 8/8/2019 | Time: 10:15 AM
Investigators: Zewdie, Kuhn | Form completed by:
Temperature (°F): 79° | Rainfall (in.): Last 24 hours: 0.35" Last 48 hours: 0.35"
Latitude: 41 09.589 | Longitude: 73 50.975 | GPS Unit: Garmin etrex | GPS LMK #:
Camera: Samsung Galaxy | Photo #s:

Land Use in Drainage Area (Check all that apply):
Industrial; Open Space; Ultra-Urban Residential; Institutional; Suburban Residential; Other:
X Commercial; Known Industries: Self storage facility, Medical Offices

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

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

| | | |
|---|---|---|
| Temp | 76 | °F |
| pH | 7.8 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| 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' 0.25 " | Ft, In | 0.63 gal/min | Tape measure |
| | Flow width | 0' 3" | Ft, In | | Tape measure |
| | Measured length | 0' 6" | Ft, In | Tape measure | |
| | Time of travel | 2.6, 2.28, 1.22, 1.4, 1.78 | 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 Petroleum/gas 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 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Yes | Excessive X 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 10:56 AM Caulk dam |

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

Collected: 8/9/2019 11AM
Wet: NEG
Dry: NEG 8/12/2019

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Outfall Reconnaissance Sheet

Subwatershed: Sprain Brook Bx Riv. | Outfall ID: AZ47
Today's date: 8/13/2019 | Time: 3:40 PM
Investigators: Zewdie, Kuhn | Form completed by:
Temperature (°F): 74° | Rainfall (in.): Last 24 hours: 0.08" Last 48 hours: 0.08"
Latitude: | Longitude: | GPS Unit: Garmin etrex | GPS LMK #:
Camera: Samsung Galaxy | Photo #s:

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):

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

| | | |
|---|---|---|
| Temp | 80 | °F |
| pH | 7.5 | units |
| Ammonia | 0.25 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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 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 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 Damageno | No | Spalling Cracking or Chipping Peeling Paint Corrosion | |
| Deposits/Stains | Orange sediment | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen Suds Excessive Algae Other: | |
| Pipe benthic growth | No | Brown Orange Green Other: | |

**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 Caulk 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, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

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Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Bx Riv/Sprain Brook | Outfall ID: AZ33 |
| Today's date: 8/20/2019 | Time: 10:15 AM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 81° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): | |
| Industrial | X Open Space |
| Ultra-Urban Residential | X Institutional |
| X Suburban Residential | Other: Veterans Park, AHS |
| Commercial | Known Industries: |

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP CMP<br>PVC HDPE<br>X Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>30" | In Water:<br>No<br>X Partially Fully<br>With Sediment:<br>No<br>XPartially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>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 | 76 °F |
| pH | 7.2 units |
| Ammonia | 0 mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|
| Flow #1 Volume | | Liter | | Bottle |
| Flow #1 Time to fill | | Sec | | Stop watch |
| Flow #2 Flow depth | 0' 2" | Ft, In | 54.7 gal/min | Tape measure |
| Flow #2 Flow width | 2' 7" | Ft, In | | Tape measure |
| Measured length | 2' 2" | Ft, In | | Tape measure |
| Time of travel | 6.66, 7.00, 8.32, 7.94, 8.37 | 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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Clear | Clear Brown Gray Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line, rust | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>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 Caulk dam 10:42 AM |

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

Collected: 8/21/2019 2 PM
Wet: NEG
Dry: NEG 8/27/2019

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Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ59 |
| Today's date: 8/28/2019 | Time: 10:15 AM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 70° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): | |
| Industrial | Open Space |
| Ultra-Urban Residential | Institutional |
| X Suburban Residential | Other: |
| Commercial | Known Industries: Water Wheel & Stonegate Condominiums |

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP CMP<br>PVC HDPE<br>X Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>24" | In Water:<br>No<br>Partially Fully<br>With Sediment:<br>No<br>Partially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>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 |

| | |
|---|---|
| Temp | °F |
| pH | units |
| Ammonia | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|
| Flow #1 Volume | | Liter | | Bottle |
| Flow #1 Time to fill | | Sec | | Stop watch |
| Flow #2 Flow depth | ' " | Ft, In | | Tape measure |
| Flow #2 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 | n/a | Sewage Rancid/sour Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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!! | trash | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | n/a | Odors Colors Floatables Oil Sheen<br>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 | No |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | Yes No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ61 |
| Today's date: 8/20/2019 | Time: |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 73° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): | |
| Industrial | XOpen Space |
| Ultra-Urban Residential | XInstitutional |
| Suburban Residential | Other:Restaurants, Medical Offices, Dry Cleaner, Nail Salon, Concord Rd Elementary School |
| XCommercial | Known Industries: |

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| XClosed Pipe | RCP XCMP<br>PVC HDPE<br>Steel<br>Other: | Circular<br>X Elliptical<br>Box<br>Other: | XSingle<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>36" H<br>89" W | In Water:<br>No<br>XPartially Fully<br>With Sediment:<br>No<br>XPartially Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>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 | °F |
| pH | units |
| Ammonia | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|
| Flow #1 Volume | | Liter | | Bottle |
| Flow #1 Time to fill | | Sec | | Stop watch |
| Flow #2 Flow depth | 0' 1" | Ft, In | 23.3 gal/min | Tape measure |
| Flow #2 Flow width | 0' 10" | Ft, In | | Tape measure |
| Measured length | 2' 3" | Ft, In | | Tape measure |
| Time of travel | 2.88", 3.25", 2.91", 3.09", 2.94" | 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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Clear | Clear Brown Gray Yellow<br>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.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Silt | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Slight | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>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 4:04 PM Caulk dam |

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

Collected: 9/22/2019 11 AM
Wet: NEG
Dry: NEG 9/26/2019 11:30 AM

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ52 |
| Today's date: 9/27/2019 | Time: 3:20 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 76 | Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" |
| Latitude: 41.01 066 | Longitude: 73.50 558 GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial | Open Space |
| Ultra-Urban Residential | X Institutional |
| X Suburban Residential | Other:Concord Rd School, Stonegate Condominiums |
| Commercial | Known Industries: |

Outfall Reconnaissance Sheet

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP X CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>12" | In Water:<br>X No<br>Partially<br>Fully<br>With Sediment:<br>X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | | | |
|---|---|---|---|
| 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 | | 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 | |

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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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!! | No | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | n/a | Odors Colors Floatables Oil Sheen<br>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? | Yes | X No | If Yes, type: | OBM Caulk dam |

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

Collected:
Wet:
Dry:

| | |
|---|---|
| Subwatershed: Bronx River/Sprain Brook | Outfall ID: AZ44 |
| Today's date: 10/04/2019 | Time: 3:20 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 60° | Rainfall (in.): Last 24 hours: 0.45" Last 48 hours: 0.65" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| 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: |

Outfall Reconnaissance Sheet

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP X CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>19" | In Water:<br>X No<br>Partially<br>Fully<br>With Sediment:<br>X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | 68 | °F |
| pH | 7.3 | units |
| Ammonia | 0 | mg/l |

| | | | |
|---|---|---|---|
| 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 |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | 200, 250, 290, 255, 275 | Liter | 1.36 gal/min | Bottle |
| | Time to fill | 2.78, 2.94, 3.52, 2.59, 3.03 | 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 | |

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<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Clear | Clear Brown Gray Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Slight corrosion | Spalling Cracking or Chipping Peeling Paint Corrosion | |
| Deposits/Stains | Rust, algae | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: | |
| Pipe benthic growth | Very slight, tiny sprig of grass | 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 3:50 PM Caulk dam |

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

Collected: 10/6/2019, 3:30 PM
Wet: NEG
Dry: NEG, 10/7/2019

Fish seen in stream.
One Outreach letter given out to home occupant.

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: A28 |
| Today's date: 10/7/2019 | Time: 2:20 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 75° | Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial | Open Space |
| Ultra-Urban Residential | XInstitutional |
| Suburban Residential | Other: |
| X Commercial | Known Industries:CR School, Woodlands Senior Facility, Dry Cleaners, Restaurants, Gas Station |

Outfall Reconnaissance Sheet

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP X CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>24" | In Water:<br>XNo<br>Partially<br>Fully<br>With Sediment:<br>XNo<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | | | |
|---|---|---|---|
| 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 | | 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 | |

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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a | Clear Brown Gray Yellow<br>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!! | Some trash | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Rust, some corrosion | Spalling Cracking or Chipping Peeling Paint x Corrosion | |
| Deposits/Stains | Slight flow line | Oily XFlow Line Paint Other: | |
| Abnormal Vegetation | yes | X Excessive Inhibited | |
| Poor pool quality | n/a | Odors Colors Floatables Oil Sheen<br>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? | Yes | X No | If Yes, type: | OBM Caulk dam |

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

Collected:
Wet:
Dry:

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

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Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ29 |
| Today's date: 10/18/2019 | Time: 3:20 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 50° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 2.56" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

Land Use in Drainage Area (Check all that apply):
Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional; Other: St. Barnabas, CR School; Known Industries:

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

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

| | |
|---|---|
| Temp | °F |
| pH | units |
| Ammonia | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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 Petroleum/gas; 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!! | Some trash | Sewage (Toilet Paper, etc.) Suds; Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Slight | Excessive Inhibited | |
| Poor pool quality | n/a | 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? | Yes X No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ19 |
| Today's date: 11/8/2019 | Time: 3:20 |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 37° Rainfall (in.): Last 24 hours: 0.12" Last 48 hours: 0.12" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

Land Use in Drainage Area (Check all that apply):
Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; X Open Space; Institutional; Other: Macy Park, Restaurant, Motel; Known Industries:

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

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

| | |
|---|---|
| Temp | °F |
| pH | units |
| Ammonia | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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 Petroleum/gas; 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!! | Slight trash | Sewage (Toilet Paper, etc.) Suds; Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | n/a | 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 | No |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | Yes X No | If Yes, type: OBM Caulk dam |

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

Collected:
Wet:
Dry:

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Bronx River/Sprain Brook | Outfall ID: AZ38 |
| Today's date: 11/20/2019 | Time: 2:25 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 50° Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" | |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

Land Use in Drainage Area (Check all that apply):
Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional AHS; Other: Known Industries:

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | XRCP CMP; PVC HDPE; Steel; Other: | XCircular; Elliptical; Box; Other: | XSingle; Double; Triple; Other: | Diameter/Dimensions: 16" | In Water: No; XPartially Fully; With Sediment: XNo; Partially Fully; |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | | Depth: Top Width: Bottom Width: | |
| In-Stream | (applicable when collecting samples) | | | | |
| Flow Present? | X Yes No If No, Skip to Section 5 | | | | |
| Flow Description (If present) | X Trickle Moderate Substantial | | | | |

| | | |
|---|---|---|
| Temp | 52 | °F |
| pH | 6.5 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | (insufficient flow rate for measurement) | Liter | | 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 | |

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; 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 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 | Decayed leaves | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Moderate | 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 2:45 PM No | If Yes, type: OBM Caulk dam |

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

Collected: 11/25/2019 2 PM
Wet: NEG
Dry: NEG
11/26/2019

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ16 |
| Today's date: 11/25/2019 | Time: 1:15 PM |
| Investigators: Kuhn | Form completed by: |
| Temperature (°F): 51° Rainfall (in.): Last 24 hours: 0.04" | Last 48 hours: 0.79" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | X Open Space |
| Ultra-Urban Residential | Institutional |
| Suburban Residential | Other: Known Industries: Restaurants, Nail Salons, Supermarket, Bicentennial Park |
| X Commercial | |

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| XClosed Pipe | XRCP CMP<br>PVC HDPE<br>Steel<br>Other: | XCircular<br>Elliptical<br>Box<br>Other: | XSingle<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>18" | In Water:<br>XNo<br>Partially<br>Fully<br>With Sediment:<br>XNo<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | | |
|---|---|---|---|
| In-Stream | (applicable when collecting samples) | | |
| Flow Present? | Yes | No | If No, Skip to Section 5 |
| Flow Description (If present) | XTrickle | Moderate | Substantial |

| | | |
|---|---|---|
| Temp | 50 | °F |
| pH | 6.8 | units |
| Ammonia | 0 | mg/l |

Ammonia measured in hole, notch & rock face, all "0". pH measured in notch.

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | Insufficient for flow rate measurement | Liter | | 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 | |

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<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | clear | Clear Brown Gray Yellow<br>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 trash | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | slight | Excessive Inhibited | plant at north side of outlet pipe |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: | |
| Pipe benthic growth | no | Brown Orange Green Other: | |

**Overall Outfall Characterization**

XUnlikely 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 | XNo |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | XYes No | If Yes, type: X OBM 2:08 PM Caulk dam |

hole

notch

**Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?** no, , water running clear in blow off channel, no spills noted by DeCicco catch basin, odor from trash compactor not catch basin

Collected: 12/3/2019 11AM

Wet: NEG

Dry: NEG 12/6/2019

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Sprain Brook/Bx Riv | Outfall ID: AZ60 |
| Today's date: 12/3/2019 | Time: 2:25 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 34° Rainfall (in.): Last 24 hours: 0.04" | Last 48 hours: 0.82" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | X Open Space |
| Ultra-Urban Residential | X Institutional |
| X Suburban Residential | Other: AMS, Pascone Park |
| Commercial | Known Industries: |

Notes (e.g., origin of outfall, if known): Pascone Park Softball Field

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP X CMP<br>PVC HDPE<br>Steel<br>Other: | X Circular<br>Elliptical<br>Box<br>Other: | X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>18" | In Water:<br>No<br>X Partially<br>Fully<br>With Sediment:<br>X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>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 | 46 | °F |
| pH | 7.0 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| 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 | 0' 10" | Ft, In | 37.2 gal/min | Tape measure |
| | Measured length | 1' 8" | Ft, In | Tape measure | |
| | Time of travel | 1.03, 1.32, 1.66, 1.56, 1.41 | 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 Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | Slight yellow | Clear Brown Gray 1-Yellow<br>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<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Inhibited | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen<br>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 XNo |
| 2. | If yes, collected from: | Flow | Pool |
| 3. | Intermittent flow trap set? | X Yes No | If Yes, type: X OBM 3:07 PM Caulk dam |

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

Collected:

Wet:

Dry:

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ9, AZ11 |
| Today's date: 12/19/2019 | Time: 2:20 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 18° Rainfall (in.): Last 24 hours: 0" | Last 48 hours: 0.07" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |

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

| | |
|---|---|
| Industrial | Open Space |
| Ultra-Urban Residential | Institutional |
| Suburban Residential | Other: Known Industries: Auto Body, Highway Dept |
| XCommercial | |

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

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| Closed Pipe | X, X RCP CMP<br>PVC HDPE<br>Steel<br>Other: | X, X Circular<br>Elliptical<br>Box<br>Other: | X, X Single<br>Double<br>Triple<br>Other: | Diameter/Dimensions:<br>15" (AZ9)<br>48" (AZ11) | In Water:<br>No<br>X,X Partially<br>Fully<br>With Sediment:<br>X,X No<br>Partially<br>Fully |
| Open drainage | Concrete<br>Earthen<br>rip-rap<br>Other: | Trapezoid<br>Parabolic<br>Other: | | Depth:<br>Top Width:<br>Bottom Width: | |

| | | | |
|---|---|---|---|
| In-Stream | (applicable when collecting samples) | | |
| Flow Present? | Yes | X, X (AZ9 frozen) No | If No, Skip to Section 5 |
| Flow Description (If present) | Trickle | Moderate | Substantial |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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, n/a | Sewage Rancid/sour Petroleum/gas<br>Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | n/a,n/a | Clear Brown Gray Yellow<br>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, n/a | See severity | 1 – Slight cloudiness | 2 – Cloudy | 3 – Opaque |
| Floatables -Does Not Include Trash!! | No, no | Sewage (Toilet Paper, etc.) Suds<br>Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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, no | Spalling Cracking or Chipping Peeling Paint Corrosion | |
| Deposits/Stains | Flow line, flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No, no | Excessive Inhibited | |
| Poor pool quality | No, no | Odors Colors Floatables Oil Sheen<br>Suds Excessive Algae Other: | |
| Pipe benthic growth | No, no | Brown Orange Green Other: | |

**Overall Outfall Characterization**

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

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

Collected:

Wet:

Dry:

AZ9

AZ11

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

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Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Sprain Brook/Bx Riv | Outfall ID: AZ 42 |
| Today's date: 1/7/2020 | Time: 2:23 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): XX | Rainfall (in.): Last 24 hours: Last 48 hours: |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional; Other: OLPH School; Known Industries: | |
| Notes (e.g., origin of outfall, if known): Cross Road | |

1/8/2020 met on site with BI/SMO Sewer trunk line & sewer lines from Greenburgh houses on east side of main stream, not feeding to AZ42
No septic systems in immediate area
Since no odor, negative ammonia test & pH 7, do not suspect sewage
Color is similar to traffic paint which is used for centerline. CBs have leaf debris obscuring bottom, can't check for paint. Will monitor to see if yellow progresses to overgrowth OR gradually washes away to determine nature of substance.

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | X RCP CMP; PVC HDPE; Steel; Other: | X Circular; Elliptical; Box; Other: | X Single; Double; Triple; Other: | Diameter/Dimensions: 24" | In Water: No, X Partially, Fully; With Sediment: No, X Partially, Fully |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | | Depth: Top Width: Bottom Width: | |

| | | |
|---|---|---|
| Temp | 42 | °F |
| pH | 7.0 | units |
| Ammonia | 0 | mg/l |

| | |
|---|---|
| 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 |

FIELD DATA FOR FLOWING OUTFALLS

| 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' 4" | Ft, In | 50.8 gal/min | Tape measure |
| | Flow width | 5' 10" | Ft, In | | Tape measure |
| | Measured length | 1' 11" | Ft, In | | Tape measure |
| | Time of travel | 18.12, 25.32, 30.12, 45.03, 52.34, 26.34 | 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 Petroleum/gas; 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!! | Small patches of oil sheen | Sewage (Toilet Paper, etc.) Suds; X Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 – Some; origin clear (e.g., obvious oil 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 | Orange yellow deposit | Oily Flow Line Paint Other: | possible centerline striping paint |
| Abnormal Vegetation | Yes | Excessive Inhibited X Moderate | |
| Poor pool quality | yes | Odors X Colors Floatables Oil Sheen; Suds Excessive Algae Other: | orange yellow deposit, flocculant, not filamentous, breaks into pieces & sinks |
| Pipe benthic growth | no | Brown Orange Green Other: | |

**Overall Outfall Characterization**

Unlikely X Potential (presence of two or more indicators) Possible spill of striping paint into drain 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 2:45 PM Caulk dam |

**Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)? Cleanout of west side culvert is needed**

1/14/2020
Yellow color has dissipated.
Discharge is not ongoing.

1/7/2020

Collected: 1/8/2020, 3:00 PM
Wet: NEG
Dry: NEG 1/20/2020

1/7/2020

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Saw Mill River | Outfall ID: AZ20, AZ22 |
| Today's date: 1/15/2020 | Time: 11:15 AM |
| Investigators: Kuhn | Form completed by: |
| Temperature (°F): 46° | Rainfall (in.): Last 24 hours: 0.02" Last 48 hours: 0.02" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial; Ultra-Urban Residential; Suburban Residential; Commercial; X Open Space; Institutional; Other: Macy Park; Known Industries: | |
| Notes (e.g., origin of outfall, if known): NYS Thruway | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| Closed Pipe | X, X RCP CMP; PVC HDPE; Steel; Other: | X, X Circular; Elliptical; Box; Other: | X, X Single; Double; Triple; Other: | Diameter/Dimensions: 30", 24" | In Water: No, X, X Partially Fully; With Sediment: X, X No Partially Fully |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | | Depth: Top Width: Bottom Width: | |

| | | |
|---|---|---|
| Temp | | °F |
| pH | | units |
| Ammonia | | mg/l |

| | |
|---|---|
| In-Stream | (applicable when collecting samples) |
| Flow Present? | Yes X, 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 | | 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 | |

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 | | Sewage Rancid/sour Petroleum/gas; Sulfide Other: | 1 – Faint | 2 – Easily detected | 3 – Noticeable from a distance |
| Color | | Clear Brown Gray Yellow; Green Orange Red Other: | 1 – Faint colors in sample bottle | 2 – Clearly visible in sample bottle | 3 – Clearly visible in outfall flow |
| Turbidity | | See severity | 1 – Slight cloudiness | 2 – Cloudy | 3 – Opaque |
| Floatables -Does Not Include Trash!! | | Sewage (Toilet Paper, etc.) Suds; Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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, no | Spalling Cracking or Chipping Peeling Paint Corrosion | |
| Deposits/Stains | No, no | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Yes, yes | X, X Excessive Inhibited | |
| Poor pool quality | No, no | Odors Colors Floatables Oil Sheen; Suds Excessive Algae Other: | |
| Pipe benthic growth | No, no | Brown Orange Green Other: | |

**Overall Outfall Characterization**

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

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

AZ20

AZ22

Collected:
Wet:
Dry:

---

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Sprain Brook/Bronx River | Outfall ID: AZ38 |
| Today's date: 1/31/2020 | Time: 3:30 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 43° | Rainfall (in.): Last 24 hours: 0" Last 48 hours: 0" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): X Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional; Other: Con Ed transmission lines, AHS; Known Industries: | |
| Notes (e.g., origin of outfall, if known): Jordan Lane subdivision | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP CMP; X PVC HDPE; Steel; Other: | X Circular; Elliptical; Box; Other: | X Single; Double; Triple; Other: | Diameter/Dimensions: 15" | In Water: No, X Partially Fully; With Sediment: No, X Partially Fully |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | | Depth: Top Width: Bottom Width: | |

| | | |
|---|---|---|
| Temp | 46 | °F |
| pH | 6.8 | units |
| Ammonia | 0 | mg/l |

| | |
|---|---|
| In-Stream | (applicable when collecting samples) |
| Flow Present? | XYes No If No, Skip to Section 5 |
| Flow Description (If present) | Trickle X Moderate Substantial |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | 80 ml, 75 ml, 110 ml, 100 ml, 125ml | Liter | 0.4 gal/min | Bottle |
| | Time to fill | 3.91", 3.59", 3.75", 3.78", 4.34" | 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 | |

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; 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 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 | Rust color deposit | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen; Suds Excessive Algae Other: | |
| Pipe benthic growth | no | Brown Orange Green Other: | |

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

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

Collected: 2/3/2020, 4 PM
Wet: NEG
Dry: NEG, 2/5/2020

# MS4 Annual Report Form

**This report is being submitted for the reporting period ending March 9, 2020**

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

Outfall Reconnaissance Sheet

Gave out 1 letter to Resident.

| | |
|---|---|
| Subwatershed: Sprain Brook/Bronx River | Outfall ID: AZ46 |
| Today's date: 2/5/2020 | Time: 2:30 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 40° Rainfall (in.): Last 24 hours: 0.01" | Last 48 hours: 0.01" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional; Other: Ardsley High School Known Industries: | |
| Notes (e.g., origin of outfall, if known): Abington Creek | |

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

| | | |
|---|---|---|
| Temp | 46 | °F |
| pH | 5.5 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | 375, 350, 325, 360, 340 | Liter | 2.42 gal/min | Bottle |
| | Time to fill | 2.31, 2.12, 2.28, 2.44, 2.31 | 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 | |

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 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!! | leaves | Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Excessive | X Excessive Inhibited | |
| Poor pool quality | Slightly muddy | Odors Colors Floatables Oil Sheen Suds Excessive Algae Other: slight 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 | XNo | | |
| 2. | If yes, collected from: | Flow | Pool | | |
| 3. | Intermittent flow trap set? | X Yes | No | If Yes, type: X OBM | 2:40 PM Caulk dam |

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

Collected: 2/7/2020 2:30 PM
Wet: NEG
Dry: NEG 2/12/2020

Outfall Reconnaissance Sheet

| | |
|---|---|
| 12Subwatershed: Saw Mill River | Outfall ID: AZ25 |
| Today's date: 2/14/2020 | Time: 3:15 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 30° Rainfall (in.): Last 24 hours: 0.03" | Last 48 hours: 0.55" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial; Ultra-Urban Residential; X Suburban Residential; X Commercial; X Open Space; Institutional; Other: Macy Park Known Industries: Restaurants, Nail Salon, Pharmacy, Water Wheel Housing | |
| Notes (e.g., origin of outfall, if known): | |

| LOCATION | MATERIAL | SHAPE | | DIMENSIONS (IN.) | SUBMERGED |
|---|---|---|---|---|---|
| X Closed Pipe | RCP X CMP; PVC HDPE; Steel; Other: | X Circular; Elliptical; Box; Other: | X Single; Double; Triple; Other: | Diameter/Dimensions: 20" | In Water: No; X Partially; Fully. With Sediment: No; X Partially; Fully |
| Open drainage | Concrete; Earthen; rip-rap; Other: | Trapezoid; Parabolic; Other: | | Depth: Top Width: Bottom Width: | |
| In-Stream | (applicable when collecting samples) | | | | |
| Flow Present? | X Yes | No | If No, Skip to Section 5 | | |
| Flow Description (If present) | Trickle | X Moderate | Substantial | | |

| | | |
|---|---|---|
| Temp | 50 | °F |
| pH | 8.0 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| 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' 5" | Ft, In | | Tape measure |
| | Flow width | 1' 6" | Ft, In | 14.1 gal/min | Tape measure |
| | Measured length | 0' 6" | Ft, In | Tape measure | |
| | Time of travel | 8.06", 8.25", 14.97", 11.62", 10.25", 6.53" | 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 Petroleum/gas 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!! | leaves | Sewage (Toilet Paper, etc.) Suds Petroleum (oil sheen) Other: | 1 – Few/slight; origin not obvious | 2 – Some; indications of origin (e.g., possible suds or oil sheen) | 3 - Some; origin clear (e.g., obvious oil 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 | Algae, rust, flow line | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | No | Excessive Inhibited | |
| Poor pool quality | No | Odors Colors Floatables Oil Sheen Suds Excessive Algae Other: | |
| Pipe benthic growth | No | Brown Orange Green Other: | |

**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 | 3:58 PM Caulk dam |

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

Collected: 2/18/2020 10 AM
Wet: NEG
Dry: NEG 2/24/2020

Outfall Reconnaissance Sheet

| | |
|---|---|
| Subwatershed: Sprain Brook/Bronx River | Outfall ID: AZ40 |
| Today's date: 2/28/2020 | Time: 3:15 PM |
| Investigators: Zewdie, Kuhn | Form completed by: |
| Temperature (°F): 39° Rainfall (in.): Last 24 hours: 0" | Last 48 hours: 0.52" |
| Latitude: Longitude: | GPS Unit: Garmin etrex GPS LMK #: |
| Camera: Samsung Galaxy | Photo #s: |
| Land Use in Drainage Area (Check all that apply): Industrial; Ultra-Urban Residential; X Suburban Residential; Commercial; Open Space; X Institutional; Other: OLPH School Known Industries: | |
| Notes (e.g., origin of outfall, if known): Markwood storm drain | |

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

| | | |
|---|---|---|
| Temp | 40 | °F |
| pH | 8.0 | units |
| Ammonia | 0 | mg/l |

FIELD DATA FOR FLOWING OUTFALLS

| PARAMETER | | RESULT | UNIT | AVERAGE FLOW RATE (gal/min) | EQUIPMENT |
|---|---|---|---|---|---|
| Flow #1 | Volume | | Liter | | 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 | |

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 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 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 | Flow line, sediment | Oily Flow Line Paint Other: | |
| Abnormal Vegetation | Inhibited | 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? | Yes | X No | If Yes, type: OBM | Caulk 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,** 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

| **Catch Basin Head Cleaning**<br>**Routes: A = Ashford Ave**<br>**H = Heatherdell Rd**<br>**EV = Entire Village** | | **Bulk Roadside Cleaning**<br>**Route: Entire Village**<br>**(litter and small brush)** | **Bulk Leaf Clean-up**<br>**Route: Entire Village** |
|---|---|---|---|
| **ROUTES** | **DATE** | **DATE** | **ROUTE** |
| EV | 4/8/19 | 4/9/19 | 4/8/19 |
| EV | 4/16/19 | 5/7/19 | 4/29/19 |
| A | 4/23/19 | 5/22/19 | 5/14/19 |
| H | 4/24/19 | 6/5/19 | 5/30/19 |
| EV | 5/7/19 | 6/26/19 | 6/17/19 |
| EV | 5/22/19 | 7/17/19 | 7/15/19 |
| EV | 6/4/19 | 8/8/19 | 9/9/19 |
| EV | 6/26/19 | 9/11/19 | 9/27/19 |
| EV | 6/22/19 | 10/3/19 | 10/3/19 |
| EV | 7/3/19 | 10/14/19 | 10/23/19 |
| EV | 7/31/19 | 10/21/19 | 11/7/19 |
| EV | 8/16/19 | 10/28/19 | 11/22/19 |
| EV | 9/4/19 | 12/3/19 | 12/6/19 |
| EV | 9/18/19 | 12/9/19 | 12/27/19 |
| EV | 10/4/19 | 12/17/19 | 1/20/19 |
| A | 10/22/19 | 12/30/19 | 2/4/20 |
| H | 10/23/19 | 1/13/20 | 3/5/20 |
| EV | 10/31/19 | 1/28/20 | |
| A | 11/4/19 | 2/10/20 | |
| H | 11/5/19 | 2/25/20 | |
| EV | 11/10/19 | 3/9/20 | |
| EV | 11/21/19 | | |
| EV | 11/29/19 | | |
| A | 12/9/19 | | |
| H | 12/10/19 | | |
| EV | 12/23/19 | | |
| EV | 1/6/20 | | |
| EV | 1/20/20 | | |
| EV | 2/3/20 | | |
| EV | 3/4/20 | | |
| | | | |
| | | | |
| | | | |

MS4 Annual Report Form

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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: NYR20A316

## Catch Basin Internal Clean-out

| LOCATION | # of BASINS | DATE | LOCATION | # of BASINS | DATE |
|---|---|---|---|---|---|
| ELM STREET | 3 | 3/11/19 | CONCORD RD. | 6 | 6/11/19 |
| ASFORD AVE. | 7 | 3/11/19 | ASHFORD AVE. | 2 | 6/11/19 |
| ADDYMAN SQUARE | 3 | 3/11/19 | CAPT. HONEYWELL | 4 | 6/11/19 |
| ORLANDO | 2 | 3/12/19 | ALMENA AVE. | 8 | 1/7/20 |
| EASTERN DRIVE | 2 | 3/12/19 | BRAMBLEBROOK RD | 6 | 1/8/20 |
| WESTERN DRIVE | 4 | 3/12/19 | HILLSIDE AVE. | 2 | 1/8/20 |
| PLAINVIEW | 1 | 3/13/19 | ASHFORD AVE. | 12 | 1/9/20 |
| MCCORMICK DRIVE | 4 | 3/13/19 | ASHFORD AVE. | 6 | 1/10/20 |
| ABBINGTON AVE. | 3 | 3/13/19 | WESTERN DRIVE | 4 | 1/10/20 |
| MARKWOOD CIRCLE | 1 | 3/13/19 | EASTERN DRIVE | 3 | 1/10/20 |
| KING STREET | 2 | 3/13/19 | PARK AVE. | 3 | 1/14/20 |
| KENSINGTON | 1 | 3/13/19 | ORLANDO AVE. | 2 | 1/14/20 |
| AGNES CIRCLE | 2 | 3/13/19 | CROSS RD. | 4 | 1/14/20 |
| CARRIERE AVE, | 2 | 3/14/19 | MT. VIEW AVE. | 5 | 1/15/20 |
| FELIX AVE. | 2 | 3/14/19 | MARKWOOD PLACE | 5 | 1/15/20 |
| ALMENA AVE. | 4 | 3/14/19 | EXETER PLACE | 4 | 1/15/20 |
| BONAVENTURE AVE. | 2 | 3/14/19 | ABBINGTON AVE. | 7 | 1/16/20 |
| RIDGE RD. | 1 | 3/14/19 | KENSINGTON | 4 | 1/16/20 |
| BRAMBLEBROOK RD. | 4 | 3/14/19 | WILMOTH AVE. | 3 | 1/16/20 |
| AUGUSTINE AVE. | 2 | 3/14/19 | HEATHERDELL RD. | 12 | 1/18/20 |
| EUCLID AVE. | 5 | 3/15/19 | LEGION DRIVE | 2 | 1/18/20 |
| LINCOLN AVE. | 3 | 3/15/19 | LINCOLN AVE. | 6 | 1/29/20 |
| LARCHMONT AVE. | 4 | 3/15/19 | PROSPECT AVE | 5 | 1/29/20 |
| CHIMNEY POT | 5 | 3/19/19 | RIVERVIEW | 3 | 1/29/20 |
| HEATHERDELL RD. | 6 | 3/19/19 | REVOLOTIONARY RD. | 3 | 2/10/20 |
| MAJOR APPLEBEY | 3 | 3/19/19 | MAJOR APPLEBEE | 4 | 2/10/20 |
| VICTORIA RD. | 3 | 3/20/19 | BEACON HILL | 6 | 2/10/20 |
| GLEN RD. | 2 | 3/20/19 | VICTORIA RD. | 7 | 2/11/20 |
| WILDWOOD | 1 | 3/20/19 | HUNTLEY DRIVE | 6 | 2/11/20 |
| HUNTLEY | 4 | 3/20/19 | MCCORMICK DRIVE | 5 | 2/12/20 |
| WILDWOOD | 1 | 3/20/19 | CROSS RD. | 3 | 2/12/20 |
| DELLWOOD LANE | 3 | 3/20/19 | MCDOWELL PARK | 4 | 2/12/20 |
| OVERLOOK RD. | 3 | 6/11/19 | ADDYMAN SQUARE | 2 | 2/12/20 |

MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

# Incident Report

| Location (st/cross st) | Description (water main, sewage) | Date incident | Repair (DPW or other) | Date repaired |
|---|---|---|---|---|
| 29 PROSPECT | WATER MAIN | 4/15/19 | SUEZ | 4/17/19 |
| BICENTIAL PARK | SEWER | 4/29/19 | GREENBURGH | 4/29/19 |
| PASCONE WAY | SEWER | 5/1/19 | GREENBURGH | 5/1/19 |
| BRAMBLEBROOK | SEWER | 5/16/19 | GREENBURGH | 5/16/19 |
| WESTERN DRIVE | SEWER | 5/23/19 | DPW | 5/23/19 |
| 14 MT VIEW | SEWER | 6/16/19 | GREENBURGH | 6/16/19 |
| RTE 9A | SEWER | 7/26/19 | GREENBURGH | 7/26/19 |
| ADDYMAN SQ. | SEWER | 8/9/19 | GREENBURGH | 8/9/19 |
| 9A/CENTER ST | SEWER | 9/28/19 | GREENBURGH | 9/28/19 |
| ALMENA AVE | WATER | 10/23/19 | SUEZ | 10/24/19 |
| WESTERN | SEWER | 11/18/19 | DPW | 11/18/19 |
| WESTERN | SEWER | 12/13/19 | DPW | 12/13/19 |
| BRAMBLEBROOK | SEWER | 1/7/20 | GREENBURGH | 1/7/20 |
| SUMMIT | SEWER | 1/14/20 | GREENBURGH | 1/14/20 |
| WESTERN | SEWER | 1/23/20 | DPW | 1/23/20 |
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MS4 Annual Report Form

This report is being submitted for the reporting period ending March 9, 2020

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

Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

# Road Repair

| Location (st/cross st) | Material | Amount (tons) | Date of use |
|---|---|---|---|
| HEIGHTS | PH KILLER | 3 | 3/13/19 |
| EASTERN/WESTERN | PH KILLER | 3 | 3/13/19 |
| HUNTLEY SIDE | PH KILLER | 4 | 3/14/19 |
| BEACON HILL SIDE | PH KILLER | 3 | 3/14/19 |
| FARM,DELLWOOD,HIGHLAND | CURB MIX | 1.5 | 3/19/19 |
| BEACON,MORNINGSIDE,REVERE | CURB MIX | 1.5 | 3/19/19 |
| OAKHILL,HUNTLEY,OVERLOOK | CURB MIX | 2 | 3/20/19 |
| WILDWOOD,HILLTOP,AGNES | CURB MIX | 2 | 3/20/19 |
| MCDOWELL,CARRIERE,ALMENA | CURB MIX | 2 | 3/20/19 |
| RIDGE,FULLER,SHADY,CROSS | CURB MIX | 3 | 3/21/19 |
| BB,LAKEVIEW,LINCOLN,EXETER | CURB MIX | 4 | 3/21/19 |
| WILMOTH,GRANDVIEW,PARK | CURB MIX | 2.5 | 3/22/19 |
| EASTERN,PLAINVIEW | CURB MIX | 0.5 | 3/22/19 |
| COLONY,WESTERN,REVOLUTIONARY | CURB MIX | 3 | 3/25/19 |
| JUDSON,BB,RIDGE,ELM | 7F-PH | 3 | 3/25/19 |
| VARIOUS | 7F | 6 | 4/2/19 |
| VARIOUS | 7F | 6 | 4/8/19 |
| VARIOUS | 7F | 10 | 4/10/19 |
| HEATHERDELL | 7F | 10 | 4/12/19 |
| REVOLUTIONARY | 7F | 6 | 4/16/19 |
| BRAMBLEBROOK,LEGION | 7F | 8 | 4/25/19 |
| VARIOUS | 7F | 12 | 4/29/19 |
| VARIOUS-CURBS | CURB MIX | 8 | 5/1/19 |
| VARIOUS-CURBS | CURB MIX | 6 | 5/31/19 |
| EASTERN/PLAINVIEW | 7F | 6 | 6/7/19 |
| EUCLID/LINCOLN/RIDGE | 7F | 8 | 6/11/19 |
| FARM/HUNTLEY/SYLVIA | 7F | 4 | 7/1/19 |
| PASCONE/MCDOWELL PARKS | 7F | 6 | 8/26/19 |
| VARIOUS | 7F | 10 | 9/17/19 |
| BEACON HILL | 7F | 3 | 9/19/19 |
| RIDGE RD. | 7F | 350 | 9/25/19 |
| AUGUSTINE/SHADY/SWANSTON | 7F | 450 | 9/26/19 |
| VARIOUS | 7F | 6 | 11/5/19 |
| VARIOUS-CATCH BASINS | 7F | 3 | 11/15/19 |
| VARIOUS-POT HOLES | COLD PATCH | 6 | 1/28/20 |
| VARIOUS-POT HOLES | EASY STREET | 3 | 2/19/20 |
| | | | |

MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

# Road Salt Application

| Village (total) or Neighborhood (name) | Amount | Condition | Date applied |
|---|---|---|---|
| ENTIRE VILLAGE | 8 | 1” SNOW | 3/11/19 |
| VILLAGE | 8 | ICE | 11/30/19 |
| VILLAGE | 5 | ICE | 12/1/19 |
| VILLAGE | 15 | SNOW/ICE | 12/2/19 |
| VILLAGE | 20 | SNOW | 12/3/19 |
| VILLAGE | 12 | SNOW | 12/10/19 |
| VILLAGE | 6 | ICE | 12/11/19 |
| VILLAGE | 18 | SNOW | 12/16/19 |
| VILLAGE | 15 | SNOW/ICE | 12/17/19 |
| VARIOUS | 5 | ICE | 12/18/19 |
| VARIOUS | 5 | ICE | 12/20/19 |
| VILLAGE | 15 | SNOW | 1/17/20 |
| VARIOUS | 5 | BLACK ICE | 1/23/20 |
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MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

## Street Sweeping

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

| DATE | ROUTES | DATE | ROUTES |
|---|---|---|---|
| 4/4/19 | HN/HS | 8/20/19 | HN/HS/LOTS |
| 4/5/19 | AN/AS/BD | 9/16/19 | AN/AS/BD |
| 4/11/19 | HN/HS | 9/17/19 | HN/HS/LOTS |
| 4/12/19 | AS/AN/BD | 10/7/19 | AN/AS |
| 4/22/19 | HN/HS/BD | 10/8/19 | HN/HS |
| 4/23/19 | AN/AS | 10/9/19 | BD/LOTS |
| 4/30/19 | AN/AS/BD | 11/4/19 | AN/AS/BD |
| 5/1/19 | HN/HS | 11/5/19 | HN/HS/LOTS |
| 5/3/19 | LOTS | 11/19/19 | AN/AS/BD |
| 5/14/19 | HN/HS/BD | 11/20/19 | HN/HS/LOTS |
| 5/15/19 | AN/AS/LOTS | 12/16/19 | AN/AS/BD |
| 5/23/19 | AN/AS/LOTS | 12/17/19 | HN/HS/LOTS |
| 5/24/19 | HN/HS | 1/13/20 | AN/AS/BD |
| 6/6/19 | AN/AS/BD | 1/14/20 | HN/HS/LOTS |
| 6/7/19 | HN/HS/LOTS | 1/21/20 | BD/LOTS |
| 6/26/19 | AN/AS/BD | 2/10/20 | AN/AS |
| 6/27/19 | HN/HS/LOTS | 2/11/20 | HN/HS |
| 7/17/19 | AN/AS/BD | 2/13/20 | BD/LOTS |
| 7/18/19 | HN/HS/LOTS | | |
| 8/19/19 | AN/AS | | |
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MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

## Vehicle Maintenance

| Vehicle type | # | Wash or Maintenance (brief description) | Date serviced |
|---|---|---|---|
| PICKUP | 4 | WASH-SNOW | 3/11/19 |
| PICKUP | 7 | WASH-SNOW | 3/11/19 |
| PICKUP | 6 | WASH-SNOW | 3/11/19 |
| PICKUP | 9 | WASH-SNOW | 3/11/19 |
| PICKUP | 10 | WASH-SNOW | 3/11/19 |
| PICKUP | 11 | WASH-SNOW | 3/11/19 |
| DUMP | 1 | WASH-SALT | 3/12/19 |
| DUMP | 3 | WASH-SALT | 3/12/19 |
| DUMP | 5 | WASH-SALT | 3/12/19 |
| PAYLOADER | PL | WASH-SALT | 3/12/19 |
| TRACTOR | JD1 | WASH-SALT | 3/12/19 |
| TRACTOR | JD2 | WASH-SALT | 3/12/19 |
| TRACTOR | JD3 | WASH-SALT | 3/12/19 |
| PICKUP | 6 | ROUTINE MAINT. | 3/12/19 |
| PICKUP | 10 | ROUTINE MAINT. | 3/15/19 |
| PACKER | 8 | RUN DIAGNOSTICS-COOLANT | 3/15/19 |
| PICKUP | 10 | REMOVE SPREADER-STEAM | 3/19/19 |
| POLICE | 94 | REPLACE TIRE | 3/19/19 |
| PICKUP | 6 | REPAIR PLOW MOTOR | 3/24/19 |
| SUBURBAN | HW1 | ROUTINE MAINT. | 3/22/19 |
| MERCURY | BI | REPAIR FLAT TIRE | 3/22/19 |
| PICKUP | 10 | REPLACE BEARINGS AND BRAKES | 3/27/19 |
| SWEEPER | SS | REPLACE 4 FILTERS | 4/2/19 |
| SWEEPER | SS | REPAIR HD LEAK | 4/3/19 |
| PACKER | 15 | REPLACE HYDRAULIC HOSE | 4/8/19 |
| PACKER | 16 | DEF PUMP | 4/10/19 |
| PACKER | 16 | SPEED UP SWITCH | 4/16/19 |
| SEDAN | 99 | ROUTINE & OIL CHANGE | 4/16/19 |
| SEDAN | 98 | ROUTINE & OIL | 4/18/19 |
| SEDAN | CHIEF | ROUTINE & OIL | 4/18/19 |
| PICK UP | 7 | NEW DELIVERY PREP | 4/26/19 |
| PACKER | 14 | PTO | 5/6/19 |

**MS4 Annual Report Form**

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

## Vehicle Maintenance

| Vehicle type | # | Wash or Maintenance (brief description) | Date serviced |
|---|---|---|---|
| TRACTOR | JD 2 | DRIVE SHAFT | 5/7/19 |
| SUV | HW1 | ROUTINE & OIL | 5/7/19 |
| PACKER | 16 | 2 FRONT TIRES | 5/9/19 |
| TRACTOR | JD3 | HYDRAULIC HOSE & OIL | 5/13/19 |
| SEDAN | 97 | ROUTINE & OIL | 5/14/19 |
| PICK UP | 10 | FRONT TIE RODS | 5/20/19 |
| PACKER | 14 | EXHAUST | 5/24/19 |
| PACKER | 15 | AIR VALVES | 5/28/19 |
| SWEEPER | SW | EXHAUST & HOSES | 5/30/19 |
| PACKER | 15 | ROUTINE & OIL | 6/4/19 |
| PAYLOADER | PL | ROUTINE/OIL/FILTERS | 6/5/19 |
| SEDAN | 94 | ROUTINE-CHECK ENGINE | 6/6/19 |
| PICK UP | 6 | ROUTINE & OIL | 6/7/19 |
| PICK UP | 6 | 4 TIRES-REAR | 6/12/19 |
| PACKER | 15 | BRAKES | 6/12/19 |
| SEDAN | 96 | RADIATOR | 6/13/19 |
| SUV | U163 | FUEL TANK LEAK/BRAKES | 6/14/19 |
| SUV | U163 | OIL/VALVES & CO READINGS | 6/15/19 |
| PACKER | 8 | 8-TIRES | 6/24/19 |
| PACKER | 12 | ROUTINE & OIL | 6/26/19 |
| TRACTOR | JD3 | HYDRAULIC HOSE | 7/8/19 |
| SUV | BI | ROUTINE /OIL/INSPECTION | 7/10/19 |
| PACKER | 8 | HYDRAULIC LEAK | 7/12/19 |
| PICK UP | 4 | ROUTINE & OIL | 7/15/19 |
| PACKER | 16 | AC COMPRESSOR | 7/17/19 |
| PICK UP | 2 | 2 TIRES | 7/18/19 |
| DUMP | 5 | ROUTINE/OIL/GREASE/ROTATE TIRES | 7/22/19 |

MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

## Vehicle Maintenance

| Vehicle type | # | Wash or Maintenance (brief description) | Date serviced |
|---|---|---|---|
| SWEEPER | SW | REPLACE BRUSHES | 7/23/19 |
| TRACTOR | JD2 | REPLACE BEARINGS | 7/24/19 |
| PACKER | 14 | ROUTINE/OIL/8 TIRES | 7/26/19 |
| DUMP | 3 | FRONT AXLE SEAL | 7/29/19 |
| BUCKET | BT | ROUTINE/OIL/4 TIRES | 8/7/19 |
| SUV | 2011 | ROUTINE/OIL/FILTERS/2 TIRES | 8/9/19 |
| PICK UP | 10 | ROUTINE/OIL | 8/12/19 |
| SUV | BI | EXHAUST | 8/14/19 |
| PACKER | 12 | ROUTINE/FILTERS/OIL | 8/15/19 |
| SWEEPER | SW | VACUUM HOSE/BRUSH/BEARINGS | 8/19/19 |
| SUV | 2013 | REAR END LEAK | 8/26/19 |
| SUV | 2012 | ROUTINE/OIL | 8/27/19 |
| PACKER | l | ELECTRICAL | 9/3/19 |
| SUV | HW1 | 1 TIRE | 9/4/19 |
| PAYLOADER | PL | HYDRAULIC HOSE | 9/5/19 |
| SNOW BLOWERS | SB 1 & 2 | BEARINGS & HOSES | 9/11/19 |
| PICK UP | 9 | ROAD SERVICE | 9/11/19 |
| SEDAN | 96 | 2 TIRES | 9/13/19 |
| PICK UP | 9 | 2 TIRES/ROUTINE/OIL | 9/16/19 |
| DUMP | 5 | REAR AXLE/REAR BRAKES | 9/17/19 |
| SUV | BI | REAR END LEAK | 9/18/19 |
| PACKER | 16 | WATER PUMP | 9/24/19 |
| DUMP | 3 | ROUTINE/OIL/FILTERS | 9/26/19 |
| PICK UP | 9 | SHOCKS | 10/4/19 |
| BUCKET | BT | DDEF TANK LEAK | 10/7/19 |
| BUCKET | BT | 4 TIRES | 10/8/19 |
| SEDAN | 98 | ROUTINE/OIL/FILTERS | 10/10/19 |
| SWEEPER | SW | WATER VALVES & BEARINGS | 10/11/19 |
| DUMP | 3 | INSPECTION PREP | 10/15/19 |
| DUMP | 11 | INSPECTION PREP | 10/15/19 |
| PACKER | 14 | INSPECTION PREP | 10/15/19 |

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

# Vehicle Maintenance

| Vehicle type | # | Wash or Maintenance (brief description) | Date serviced |
|---|---|---|---|
| SUV | 2013 | COOLANT/ HOSES | 10/16/19 |
| BUCKET | BT | INSPECTION PREP | 10/21/19 |
| PACKER | 16 | INSPECTION PREP | 10/21/19 |
| DUMP | 1 | INSPECTION PREP | 10/21/19 |
| PICK UP | 4 | ELECTRICAL | 10/23/19 |
| SEDAN | 94 | ROUTINE/OIL | 10/23/19 |
| PICK UP | 6,7,9,10 | PREP PLOW PUMPS & HOSES | 10/25/19 |
| DUMP | 1,3,5,11 | PREP PLOW PUMPS&HOSES | 10/26/19 |
| PICK UP | 4 | BATTERY | 10/28/19 |
| PICK UP | 6 | SPREADER HYDRAULICS | 10/29/19 |
| PACKER | 12 | INSPECTION PREP | 10/31/19 |
| SEDAN | 98 | ROAD SERVICE-BATTERY | 11/4/19 |
| PACKER | 8 | HYDRAULIC HOSE | 11/4/19 |
| SWEEPER | SW | VACUUM MOTOR/STRAPS FOR STRAINER | 11/5/19 |
| DUMP | 3 | SPREADER HYDRAULICS | 11/7/19 |
| SEDAN | 96 | ROUTINE/OIL | 11/14/19 |
| SWEEPER | SW | HOSE SWWEP PUMP | 11/15/19 |
| PICK UP | 10 | ROUTINE/OIL | 11/19/19 |
| PICK UP | 2 | ROUTINE/OIL | 11/20/19 |
| PACKER | 8 | HYDRAULIC HOSE | 11/26/19 |
| DUMP | 3 | PLOW PUMP/HYDRAULICS | 12/2/19 |
| PICK UP | 6 | HYDRAULIC HOSE | 12/3/19 |
| SUV | 2013 | ROUTINE/OIL | 12/4/19 |
| SWEEPER | SW | EXHAUST | 12/5/19 |
| SNOW BLOWERS | SB 1&2 | REPLACE BEARINGS & HOSES | 12/6/19 |
| SUV | 2012 | ROUTINE/OIL | 12/10/19 |
| SEDAN | 94 | ROUTINE/OIL | 12/10/19 |
| PICK UP | 10 | 4 TIRES | 12/11/19 |
| PAYLOADER | PL | GREASE ALL PRESSURE POINTS/FILTERS | 12/13/19 |
| DUMP | 3,5 | PLOW EDGE | 12/20/19 |
| DUMP | 3 | HYDRAULICS | 12/20/20 |
| BUCKET | BT | 2 TIRES | 12/24/19 |

MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

## Vehicle Maintenance

| Vehicle type | # | Wash or Maintenance (brief description) | Date serviced |
|---|---|---|---|
| PICK UP | 10 | HYDRAULICS | 12/26/19 |
| PACKER | 16 | DEF PUMP | 12/31/19 |
| SUV | 2013 | FRONT END LEAK | 1/3/20 |
| SEDAN | 92 | ROUTINE/OIL/FILTER | 1/6/20 |
| PACKER | 8 | VALVES | 1/8/20 |
| SUV | 2011 | ROUTINE/OIL/FILTERS | 1/9/20 |
| SUV | HW1 | INSPECTION PREP | 1/10/20 |
| DUMP | 11 | PLOW PUMP & HYDRAULICS | 1/13/20 |
| PICK UP | 10 | FRONT END | 1/14/20 |
| DUMP | 5 | 2 BATTERIES | 1/17/20 |
| SNOW BLOW | SB1,2 | REPLACE BELTS AND HOSES | 1/21/20 |
| SEDAN | 96 | ROUTINE/OIL | 1/24/20 |
| DUMP | 1 | SPREADER HYDRAULICS | 1/27/20 |
| DUMP | 1 | SPREADER TIE DOWNS | 1/28/20 |
| SUV | BI | ROUTINE/OIL/INSPECTION PREP | 1/30/20 |
| PICK UP | 9 | REAR END | 1/31/20 |
| SWEEPER | SW | EXHAUST | 2/4/20 |
| SUV | HW1 | DIAGNOSTICS | 2/7/20 |
| SUV | HW1 | 2 REAR TIRES | 2/13/20 |
| PACKER | 15 | PACKER HYDRAULICS | 2/14/20 |
| SUV | 2013 | OIL/FILTER | 2/20/20 |
| SEDAN | 97 | BATTERY | 2/21/20 |
| PACKER | 14 | HYDRAULICS | 2/26/20 |
| TRACTOR | JD2 | ROUTINE/OIL/FILTERS | 2/28/20 |
| PICK UP | 2 | SPREADER HYDRAULICS | 3/3/20 |
| SEDAN | 95 | 4 TIRES | 3/4/20 |
| SEDAN | 94 | DIAGNOSTICS | 3/4/20 |
| SEDAN | 94 | RADIATOR | 3/6/20 |
| PACKER | 14 | 2 REAR BRAKE CHAMBERS | 3/6/20 |
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# MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Used Oil Storage Tank:** | (used oil pick up is documented in separate Highway Foreman file) | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Volume (gallons):** | 50 gal | | | | | | | | |
| **Condition:** | good | | | | | | | | |
| | | | | | | | | | |
| **Motor Fluids:** | | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Volume (gallons):** | 7 X 5 gal | 1 X 50 gal | 1 X 50 gal | 1X 50 gal | 1 X 50 gal | 2 X 50 gal | 1 X 50 gal | 1 X 50 gal | 1 X 50 gal |
| **Type:** | Trans | Trans | Hydraulic | Diesel exh | 5W40 | 5W30 | 5W20 | 10W50 | antifreeze |
| **(antifreeze, transmission, etc.)** | Fluid | fluid | fluid | fluid | | | | | |
| **Condition:** | good | good | good | good | good | good | good | good | good |
| | | | | | | | | | |
| **Solvents:** | | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Volume (gallons):** | 1 X 50 gal | 3 X 5 gal | 4 X 5 gal | | | | | | |
| **Type:** | Truck wash | Sewer | Salt | | | | | | |
| **(alcohol, acetone, etc.)** | | solvent | away | | | | | | |
| **Condition:** | good | good | good | | | | | | |
| | | | | | | | | | |
| **Paint:** | | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Volume (gallons):** | 9 X 5 gal | 2 X 5 gal | | | | | | | |
| **Type:** | Traffic | Blacktop | | | | | | | |
| **(oil, latex, enamel, etc.)** | paint | sealer | | | | | | | |
| **Condition:** | good | | | | | | | | |
| | | | | | | | | | |
| **Spill Kit:** | | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Condition:** | good | | | | | | | | |
| | | | | | | | | | |
| **Fire Extinguishers:** | (there are five fire extinguishers in the Highway Garage facility) | | | | | | | | |
| **Date:** | 4/15/2019 | | | | | | | | |
| **Condition:** | good | | | | | | | | |
| | | | | | | | | | |
| **(Salt and Sand Storage and Use cataloged elsewhere)** | | | | | | | | | |

# MS4 Annual Report Form

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Name of MS4/Coalition: Village of Ardsley

SPDES ID: NYR20A316

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Used Oil Storage Tank:** | | (used oil pick up is documented in separate Highway Foreman file) | | | | | | |
| | **Date:** | 11/15/2019 | | | | | | |
| | **Volume (gallons):** | 25 gal | | | | | | |
| | **Condition:** | good | | | | | | |
| | | | | | | | | |
| **Motor Fluids:** | | | | | | | | |
| | **Date:** | 11/15/2019 | | | | | | |
| | **Volume (gallons):** | 1 X 50 gal | 2 X 50 gal | 1 X 50 gal | 2 X 50 gal | 2 X 50 gal | 2 X 50 gal | 2 X 50 gsl |
| | **Type:** | 15W40 | 5W30 | AW32 | 10W30 | Trans | Antifreeze | Exhaust |
| **(antifreeze, transmission, etc.)** | | | | | | fluid | | fluid |
| | **Condition:** | good | good | good | good | good | good | good |
| | | | | | | | | |
| **Solvents:** | | | | | | | | |
| | **Date:** | 11/15/2019 | | | | | | |
| | **Volume (gallons):** | 6 X 5 gal | 2 X 5 gal | 2 X 50 gal | | | | |
| | **Type:** | Sewer | Ice melt | Truck | | | | |
| **(alcohol, acetone, etc.)** | | solvent | | wash | | | | |
| | **Condition:** | good | good | good | | | | |
| | | | | | | | | |
| **Paint:** | | | | | | | | |
| | **Date:** | 11/15/2109 | | | | | | |
| | **Volume (gallons):** | 8 X 5 gal | 2 X 5 gal | | | | | |
| | **Type:** | Traffic | Driveway | | | | | |
| **(oil, latex, enamel, etc.)** | | paint | sealer | | | | | |
| | **Condition:** | good | good | | | | | |
| | | | | | | | | |
| **Spill Kit:** | | | | | | | | |
| | **Date:** | 11/15/2019 | | | | | | |
| | **Condition:** | good | | | | | | |
| | | | | | | | | |
| **Fire Extinguishers:** | | (there are five fire extinguishers in the Highway Garage facility) | | | | | | |
| | **Date:** | 11/15/2019 | | | | | | |
| | **Condition:** | good | | | | | | |
| | | | | | | | | |
| **(Salt and Sand Storage and Use cataloged elsewhere)** | | | | | | | | |