

Village of



Mamaroneck

*Village Hall At The Regatta
P.O. Box 369
123 Mamaroneck Avenue
Mamaroneck, N.Y. 10543*

OFFICE OF
RICHARD SLINGERLAND
VILLAGE MANAGER

TELEPHONE
(914) 777-7703
FAX NUMBER
(914) 777-7760

December 23, 2014

By e-mail/electronic service, and US Mail

Mr. Jerry Ciotola
United States EPA, Region 2
290 Broadway
New York, NY 10007-1866

Re: Administrative Order CWA-02-2011-3022;
Quarterly Report for quarter ending November 30, 2014
Request to lift Administrative Violation; Continued compliance

Dear Mr. Ciotola:

I am writing to submit the Village's quarterly report for the quarter ending November 30, 2014.

- Our consultant ARCADIS has continued the 2014 Illicit Discharge Detection and Elimination (IDDE) program.
 - **Outfall Inspections** - Since the last quarterly report our consultant completed inspecting all Village outfalls and the dry weather outfall inspections. Of the outfalls that were inspected during this round, seventeen (17) outfalls had dry weather flow. The water discharging from most of these outfalls was clear and there was no obvious illicit discharges identified. The flow was sampled and analyzed for fecal coliform and the results have been included in Table 1. Although the results showed some elevated fecal coliform concentrations, there are very few outfalls with high fecal coliform concentrations and the dry weather flow was relatively low.

ARCADIS has been investigating the sewer-sheds that drain to the outfalls with elevated fecal coliform, focusing on the drainage areas with the highest concentrations. They have collected additional samples to isolate the problem and have been dye testing homes and sewers to locate the sources. In the next reporting period ending February 28, 2015, they will continue dye testing homes and incorporate video inspections in the sewers to locate the sources.

Outfall locations are being updated in the Village Geographic Information System (GIS) and a

Microsoft Access database has been developed to store and manage inspection reports and

THE FRIENDLY VILLAGE

photos.

- **Covanta and DPW Inspection** – ARCADIS completed an inspection of the Covanta Transfer station and the Village DPW and the results were included in the last quarterly report. An outfall that is down gradient from these facilities on Fayette Avenue is constantly flowing, even during dry weather conditions. The only source of inflow observed during the investigation was from a pipe that reportedly discharges groundwater from around the Covanta facility. The flow from the outfall was sampled this period and the results showed a fecal coliform concentrations of 300 CFU/100 ml (Outfall VF16).
- **Inflow and Infiltration Investigation (II)** - The Village has entered into a Consent Order with the NYSDEC to reduce II and eliminate sanitary sewer overflows. The Village and our consultant ARCADIS have begun the II study in the West Basin Pump Station drainage area. Completed work since the last reporting period includes the following:
 - **Flow Metering** - Temporary flow meters were installed in five manholes within the Village for the duration of a month, along with a rain gauge and two groundwater flow gauges. The meters were installed from September 16th, through October 16th. The original schedule was to keep the meters installed for a duration of two months. However, although there were rain events during the time the meters were installed, the rain events were not significant enough to provide a contrast between wet weather flow and dry weather flow. Therefore, the meters will be installed for one additional month in March or April when precipitation and groundwater are historically higher and the sanitary sewer overflows have occurred. The results of the flow metering will be used to determine where to focus further investigations and rehabilitation measures. The data will also be used to calibrate a hydraulic model which will be used to identify how best to eliminate the SSOs.
 - **Illegal Connection Inspection Program** - The Village is proceeding with an Illegal Connection Inspection program. This program inspects properties for illegal connections to the sanitary sewer such as driveway drains, sump pumps, gutter downspouts, and foundation drains. As of the date of this letter two hundred (200) letters have gone out to residents and sixty (60) inspections have been completed. There have been two confirmed sump pumps connected to the sanitary sewer and some roof leaders that are piped underground will need to be investigated further with a smoke test to determine if they are connected to the sanitary sewer system.
- The Village and Save the Sound coordinated field work again this year and shared the results of investigation efforts.

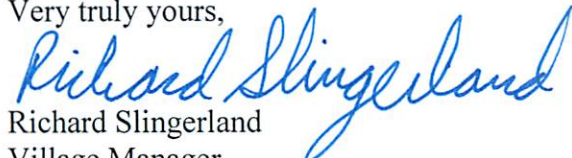
We are continuing to pursue non-point source remediation, as follows:[KH1]

1. We hired a catch-basin cleaning company, Fred A. Cook, and cleaned out nearly seventy percent (70%) of all Village catch-basins, totaling 676 catch-basins, finishing in October, 2014.
2. Continuing services of a goose-chasing dog company to scare away geese and reduce goose waste in parks. The goose-dog service makes daily visits year round to scare away geese;
3. We resumed field vacuuming of goose waste for the season in April, when field use resumed, and continued it through the end of November, 2014;
4. We occasionally use the goose-chasing whistling rocket guns, but we limit these because the geese are so desensitized to these rockets they do not fly away for long;
5. We bought and deployed “scare-crow” eagle kites to scare away the geese, which have been deployed and found very effective in Harbor Island Park on the shore of Mamaroneck Harbor and Long Island Sound. They have not worked in Columbus Park due to the tree canopy;
6. We continued an egg-oiling program with the USDA in Spring, 2014, to continue progress eliminating new generations of geese in the parks, through population control. This was also coordinated on an area regional basis with Larchmont and Mamaroneck Town. The first report received was that 125 eggs were oiled in 25 nests by coordinating with the Town of Mamaroneck and Village of Larchmont. We are still awaiting the end-of-season report [KH2]on the goose-egg oiling program, as coordinated between the three communities of Mamaroneck Village, Mamaroneck Town and Larchmont Village; and
7. Our next quarterly report will be due for the period ending February 28, 2015.

Since the Village has shown satisfactory progress, has committed to a 5-year I & I program and is remaining diligent and will continue the IDDE program, the Village respectfully requests that Administrative Order CWA-02-2011-3022 be lifted, or converted into more of a long-term agreement.

I would be happy to speak with you to answer any questions, and to discuss any portion of this report.

Very truly yours,



Richard Slingerland
Village Manager

cc: Mayor and Board of Trustees
Pat Ferracane, NYS DEC
Committee For The Environment, Village of Mamaroneck
Charles Goldberger, Village Attorney
Linda Whitehead, Village Attorney
Dan Sarnoff, Assistant Village Manager
Anthony Carr, Village Engineer
Tony Iacovelli, Public Works General Foreman
Barry Casterella, Parks General Foreman

Table 1
Village of Mamaroneck - 2014 Outfall and Stream Samples

Client Sample ID	Matrix	Collection Date	Analysis Method	Dilution Factor	Analyte	Result	Unit	Flow (GPM)	Notes
HD 19	Water	10/7/2014 10:25	SM 9222D	1000	Coliform, Fecal	116000	CFU/100mL	6	
Vg24	Water	9/30/2014 13:25	SM 9222D	1000	Coliform, Fecal	9000	CFU/100mL	1.2	
132	Water	10/7/2014 9:25	SM 9222D	100	Coliform, Fecal	8000	CFU/100mL	13	
Vn1	Water	9/30/2014 10:30	SM 9222D	100	Coliform, Fecal	4300	CFU/100mL	1	
VD70	Water	9/30/2014 12:15	SM 9222D	100	Coliform, Fecal	3000	CFU/100mL	1.5	
VF17	Water	9/30/2014 12:45	SM 9222D	1000	Coliform, Fecal	3000	CFU/100mL	0.06	
VJ58	Water	9/30/2014 11:01	SM 9222D	100	Coliform, Fecal	1600	CFU/100mL	3.5	
Photo 764, 765	Water	10/7/2014 9:55	SM 9222D	100	Coliform, Fecal	1600	CFU/100mL	2	visual estimate
VG24B	Water	10/7/2014 11:40	SM 9222D	100	Coliform, Fecal	1500	CFU/100mL		
VP22	Water	9/30/2014 12:30	SM 9222D	100	Coliform, Fecal	900	CFU/100mL	1.2	
Oc	Water	9/30/2014 11:14	SM 9222D	100	Coliform, Fecal	700	CFU/100mL	30	visual estimate
VF16	Water	9/30/2014 13:05	SM 9222D	100	Coliform, Fecal	300	CFU/100mL	3	visual estimate
VK75	Water	9/30/2014 10:04	SM 9222D	100	Coliform, Fecal	100	CFU/100mL	0.2	
VK49	Water	9/30/2014 9:35	SM 9222D	100	Coliform, Fecal	<100	CFU/100mL	35	
VK56	Water	9/30/2014 9:50	SM 9222D	100	Coliform, Fecal	<100	CFU/100mL	12	
Vn8	Water	9/30/2014 10:35	SM 9222D	100	Coliform, Fecal	<100	CFU/100mL	0.13	

Town of Harrison

Client Sample ID	Matrix	Collection Date	Analysis Method	Dilution Factor	Analyte	Result	Unit	Flow (GPM)	Notes
22 ⁽¹⁾ - Outfall in Mamaroneck, but upgradient homes and sewer are in Harrison	Water	10/7/2014 8:55	SM 9222D	1000	Coliform, Fecal	>200000	CFU/100mL	4	

Stream Samples

Rye Neck HS ⁽¹⁾ - This is located in the Town of Rye	Water	10/7/2014 11:20	SM 9222D	100	Coliform, Fecal	1100	CFU/100mL	Not Collected	
Beaver Swamp Brook	Water	10/7/2014 10:40	SM 9222D	100	Coliform, Fecal	1000	CFU/100mL	Not Collected	
Beaver Swamp Brook Mouth	Water	10/7/2014 11:07	SM 9222D	100	Coliform, Fecal	600	CFU/100mL	Not Collected	
Sheldrake River	Water	10/7/2014 11:32	SM 9222D	100	Coliform, Fecal	500	CFU/100mL	Not Collected	

Notes

28A – No flow

(1) - The Town of Harrison has been notified of Outfall #22 and the elevated concentrations in the Beaver Swamp Brook at at the Rye Neck High School