



Robert P. Astorino
County Executive

Department of Environmental Facilities

Thomas J. Lauro, P.E.
Commissioner

July 21, 2016

EES Case Management Unit
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044-7611

Chief, Water Compliance Branch
Division of Enforcement and Compliance Assistance
U.S. Environmental Protection Agency, Region II
290 Broadway, 20th Floor
New York, NY 10007

Chief, Water and General Law Branch
Office of Regional Counsel
U.S. Environmental Protection Agency, Region II
290 Broadway, 16th Floor
New York, NY 10007

Re: DJ # 90-5-1-1-10536

To Whom Ever This May Concern:

Enclosed herewith is Westchester County's Quarterly Report No. 4 for the time period of April – June 2016.

Sincerely,

Anthony Della Valle, P.E.
Director - Wastewater Treatment

cc: Andrew E. Krause, via e-mail
Cristine Irvin Phillips, via email
EES Case Management Unit, via email

Division of Solid Waste
Wastewater Treatment
Water Agency



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July 21, 2016

Re: Westchester County Water District No. 1
CONSENT DECREE 13 Civ. 5475 (NSR)
Safe Drinking Water Act and Long Term 2 Enhanced Surface Water Treatment Rule
Quarterly Report – April to June 2016

To Whom This May Concern:

Enclosed is the quarterly report for Westchester County Water District No. 1 for April to June 2016. The status and progress of the Compliance Measures are summarized below.

Interim Measures and Supplemental Environmental Project status for the previous quarter, April 1 thru June 30, 2016 (“Q4”) and to be performed in the next quarter July 1 thru September 30, 2016 (“Q5”) are summarized as follows:

Provision of Compliant Water:

During Q4, in accordance with the intention of the Consent Order to provide compliant water to the extent possible, the back feed to the Reeves-Newsom Pump Station was continued until April 25, 2016 and the Crisfield Pump Station continued until June 30, 2016.

During Q5, the back feed of compliant water from Shaft 22 to the Crisfield Pump Station will be maintained. It is noted that if operational issues require the return of Crisfield to normal operations during this quarter, Westchester County will provide notification to EPA and DOJ.

Public Notice Requirements:

During Q4, the public notice was provided to the Water District Members, the Westchester County Health Department and posted on the Westchester County website on April 8, 2016.

During Q5, the public notice was provided to the Water District Members, the Westchester County Health Department and posted on the Westchester County website on July 11, 2016.

As of May 31, 2016, the County has been contacted by 146 residents requesting additional explanation concerning the public notice. In general, most of the calls were in reference to health related issues and the residents were satisfied with the additional information provided



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by the Westchester County Department of Environmental Facilities. No calls have been received after May 31, 2016.

The Public Notice will continue to be updated on a quarterly basis, provided to the District Members and Westchester County Health Department and posted on the Westchester County website.

Cryptosporidium Action Plan and Enhanced Monitoring:

Prior to Q4, weekly monitoring of water from Kensico Reservoir was initiated on April 14, 2015, in advance of the May 21, 2015 Consent Order schedule. The weekly results have been published on the Westchester County web site since initiation thru Q4. The results indicate no presence of Cryptosporidium or Giardia in the source water. During Q5, the water monitoring will continue and results will be posted on a weekly basis.

Supplemental Environmental Projects:

During Q4, the Supplemental Environmental Projects (SEPs) described below were offered to residents of Water District No. 1; refer to attached Table 1 for detailed information.

Enhanced Pharmaceutical Take Back Collection:

During Q4, the H-MRF was opened two days per week for the exclusive use of Water District No. 1 residents to dispose of expired and unwanted medications. During this period, 57 Water District No. 1 households disposed of 225 lbs. of medications at a total cost to the County of \$18,000.00 for handling and disposal. Since the SEPs were implemented on July 1, 2015, 266 Water District No. 1 households disposed of 905 lbs. of medications at a total cost to the County of \$73,500.00 for handling and disposal. (The Consent Order requires an expenditure of \$252,700).

Enhanced Hazardous Household Chemical Collection:

During Q4, the County's Household-Material Recovery Facility (H-MRF) was open two days per week for the exclusive use of Water District No. 1 residents to dispose of hazardous household wastes. During this period, 263 Water District No. 1 households disposed of 5,832 lbs. of hazardous household materials at a total cost to the County of \$40,479.84 for handling and disposal. Since the SEPs were implemented on July 1, 2015, 935 Water District No. 1 households disposed of 20,784 lbs. of hazardous household materials at a total cost to the County of \$164,385.20 for handling and disposal. (The Consent Order requires an expenditure of \$338,529).

Rain Barrel Distribution Program:

During Q4, DEF distributed rain barrels free of charge to 101 residents of Water District No. 1. The cost of these rain barrels totaled \$4,393.50. Since the SEPs were implemented on July 1, 2015, DEF distributed rain barrels free of charge to 175 residents of Water District No. 1. The cost of these rain barrels totaled \$7,612.50. (The Consent Order requires the County to spend \$100,000 toward the distribution of rain barrels to Water District No. 1 residents).

The SEP's will continue during the next quarter.

Section VII and VIII Milestones:

The UV Treatment Systems received design approval from NYS DOH on August 21, 2015. The projects were advertised for bids on September 4, 2015 in advance of the October 20, 2015

Consent Order Schedule. Bids were received on October 7, 2015 for the Construction Project and on October 14, 2015 for the Purchase Contract. The bids were determined to be acceptable. The Purchase Contract was awarded with Notice to Proceed on October 29, 2015. The County cleared the sites in preparation for construction. The Construction Project was awarded on December 22, 2015 and Notice to Proceed occurred on January 26, 2016, 20 days in advance of the February 16, 2016 Consent Order Schedule.

During Q4, fabrication and testing of the Orchard Street Facility UV Building and foundation for the building were completed. Also, the Central Avenue UV Facility Building fabrication and excavation were started.

In Q5, the Orchard Street Facility UV Building will be delivered and placed on the foundation and utility and piping connections will proceed. Also, the Central Avenue UV Facility Building fabrication and testing will be completed, the building foundation will be completed and the facility delivered and placed on the foundation.

The Section VII and VIII milestones for Q4 and Q5 are identified on attached Table 2. All milestones in Q4 were completed in advance of the Consent Order Schedule and all milestones in Q5 are projected to be completed in advance of the Consent Order Schedule.

I certify under penalty of law, pursuant to 28 U.S.C. §1746, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on personal knowledge or my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Anthony Della Valle, P.E.
Director, Wastewater Treatment
AD:lal
Enclosure

Supplemental Environmental Projects	July 1 thru September 30, 2015				October 1 thru December 31, 2015				January 1 thru March 31, 2016				April 1 thru June 30, 2016			
	Collection Periods				Collection Periods				Collection Periods				Collection Periods			
	7/1 to 7/31	8/5 to 8/28	9/2 to 9/25	7/1 to 9/25	10/2 to 10/30	11/4 to 11/25	12/2 to 12/30	10/2 to 12/30	1/6 to 1/29	2/3 to 2/26	3/2 to 3/30	1/6 to 3/30	4/1 to 4/29	5/4 to 5/27	6/1 to 6/29	4/1 to 6/29
Enhanced Pharmaceutical Take Back Collection																
Increased number of collection days at H-MRF	9	8	9	26	9	6	8	23	8	8	9	25	7	8	9	24
Increased collection days per week (1)	2.25	2.00	2.25		2.25	1.50	2.00		2.00	2.00	2.25		1.75	2.00	2.25	
Participating Households	44	31	30	105	18	17	22	57	14	17	16	47	13	12	32	57
# of RX	798	595	642	2035	562	1170	1329	3061	990	918	1139	3047	496	609	1173	2278
Total - lbs	65	61	71	197	79	94	73	246	51	102	84	237	44	27	154	225
Medication Disposal at Resco (\$250 per day)	\$2,250	\$2,000	\$2,250		\$2,250	\$1,500	\$2,000		\$2,000	\$2,000	\$2,250		\$1,750	\$2,000	\$2,250	
Law Enforcement Supervision (\$500 per day estimate)	\$4,500	\$4,000	\$4,500		\$4,500	\$3,000	\$4,000		\$4,000	\$4,000	\$4,500		\$3,500	\$4,000	\$4,500	
Total Monthly Expenditures	\$6,750	\$6,000	\$6,750	\$19,500.00	\$6,750	\$4,500	\$6,000	\$17,250.00	\$6,000	\$6,000	\$6,750	\$18,750.00	\$5,250	\$6,000	\$6,750	\$18,000.00
Enhanced Hazardous Household Chemical Collection																
Increased number of collection days at H-MRF	9	8	9	26	9	6	8	23	8	8	9	25	7	8	9	24
Increased collection days per week (1)	2.25	2	2.25		2.25	1.5	2		2	2	2.25		1.75	2	2.25	
Participating Households	71	96	94	261	117	56	50	223	49	58	81	188	99	79	85	263
Shredder Service	36	40	38	114	45	42	38	125	31	37	54	122	0	42	0	42
Hazardous Waste - lbs	850	2730	1950	5530	1568	1934	2167	5669	889	764	2100	3753	1488	430	3914	5832
Chemical Disposal and Handling (\$0.30 per lb)	\$255.00	\$819.00	\$585.00		\$470.40	\$580.20	\$650.10		\$266.70	\$229.20	\$630.00		\$46.40	\$129.00	\$1,174.20	
NCHW fee (\$4.75 per ton)	\$0.00	\$1.52	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	
Mobilization fee (\$1,300 per day)	\$11,700.00	\$10,400.00	\$11,700.00		\$11,700.00	\$7,800.00	\$10,400.00		\$10,400.00	\$10,400.00	\$11,700.00		\$9,100.00	\$10,400.00	\$11,700.00	
DEF staffing (\$313.76/day)	\$2,823.84	\$2,510.08	\$2,823.84		\$2,823.84	\$1,882.56	\$2,510.08		\$2,510.08	\$2,510.08	\$2,823.84		\$2,196.32	\$2,510.08	\$2,823.84	
Total Monthly Expenditure	\$14,778.84	\$13,730.60	\$15,108.84	\$43,618.28	\$14,994.24	\$10,262.76	\$13,560.18	\$38,817.18	\$13,176.78	\$13,139.28	\$15,153.84	\$41,469.90	\$11,742.72	\$13,039.08	\$15,698.04	\$40,479.84
Rain Barrels Distribution Program																
# Purchased	100	0	100	200	0	0	0	0	0	0	0	0	0	100	0	100
Value of Purchased Barrels	\$4,350.00	\$0.00	\$4,350.00	\$8,700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,350.00	\$0.00	\$4,350.00
Cumulative Value of Purchased Barrels	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$4,350.00	\$0.00	\$4,350.00
# Distributed	0	11	15	26	13	20	5	38	4	3	3	10	88	4	9	101
Value of Distributed barrels (\$43.5 per barrel)	\$0.00	\$478.50	\$652.50	\$1,131.00	\$565.50	\$870.00	\$217.50	\$1,653.00	\$174.00	\$130.50	\$130.50	\$435.00	\$3,828.00	\$174.00	\$391.50	\$4,393.50

Notes: 1. based on 4 weeks per month
Rev Date: 7/20/16

Totals and Consent Order Requirements		
Total to date	Consent Order Requirement	Total Remaining
98	312	214
266		
10421		
905		
\$73,500.00	\$252,700.00	\$179,200.00
98	220	122
935		
403		
20784		
\$164,385.20	\$338,529.00	\$174,143.80
300		
\$13,050.00		
175		
\$7,612.50	\$100,000.00	\$92,387.50

Summary of Actions, Schedule and Milestones

Page #	Paragraph	Action	Schedule Requirements	Required Date	Actual or Projected Date	Notes
Paragraph VII. COMPLIANCE REQUIREMENTS						
9	VII.20	Interim measures	required until completion of VII.19			
9	VII.20.a	Back feed from Shaft 22:				
		Crisfield Pump Station	October 1 thru April 30, starting October 2015	October 1, 2015	September 28, 2015	
		Reeves-Newsom Pump Station	November 1 thru March 31, starting November 2015	April 30, 2016	September 30, 2016	The City of Yonkers is planning to stay on back feed year round
				November 1, 2015	October 20, 2015	
				March 30, 2016	April 25, 2016	The City of Scarsdale extended the back feed to the week of April 25, 2016
				>September 16, 2015	September 14, 2015	from July 1 through September 30, 2015, date emailed to W/CWD#1 members and W/C HD
				>January 1, 2016	January 8, 2016	from October 1 through March 31, 2016, date emailed to W/CWD#1 members and W/C HD
				>April 1, 2016	April 8, 2016	from January 1 through June 30, 2016, date emailed to W/CWD#1 members and W/C HD
				>July 1, 2016	July 1, 2016	from April 1 through September 30, 2016, date emailed to W/CWD#1 members and W/C HD
				>October 1, 2015	October 8, 2015	from July 1 through September 30, 2015, date posted to County Web site
				>January 1, 2016	January 8, 2016	from October 1 through March 31, 2016, date posted to County Web site
				>April 1, 2016	April 8, 2016	from January 1 through June 30, 2016, date posted to County Web site
				>July 1, 2016	July 11, 2016	from April 1 through September 30, 2016, date emailed to W/CWD#1 members and W/C HD
10	VII.20.b	provide EPA with draft of Public Notice for review and approval	within 14 days after effective Consent Order	September 16, 2015	August 5, 2015	Comments on draft notice received from EPA on August 21, 2015, comments accepted by DEF on August 24, 2015.
11	VII.20.c	Cryptosporidium Action Plan - weekly water monitoring from Kensico	within 90 days of Consent Order submission to BOL (April 7, 2015) or within 10 days from date of Lodging (May 21, 2015) whichever is later	June 5, 2015	May 21, 2015	start date, the water monitoring reports are published weekly on WC website
11	VII.20.d	Publish water monitoring results	weekly on WC website	June 5, 2015	May 21, 2015	
11	VII.21	UV Facilities				
11	VII.21.a	Obtain Construction Bonding Authorization	May 15, 2015	May 15, 2015	April 27, 2015	
11	VII.21.b	submit Final Design of UV treatment systems to NYSDOH, WCDOH and EPA	May 15, 2015	May 15, 2015	April 3, 2015	
11	VII.21.b	submit timely responses to requests or questions from NYSDOH			August 21, 2015	Responses to NYS DOH and WC DOH comments provided on June 23, July 20 and August 13, 2015. NYSDOH approval received on August 21, 2015.
11	VII.21.c	advertise UV treatment systems for bid	no later than 60 days from receipt of NYSDOH design approval	October 20, 2015	September 4, 2015	Installation contract bids received on October 7, 2015, purchase contract bids received on October 14, 2015
12	VII.21.d	issue Notice to Proceed for OSPS UV Facility	February 16, 2016	February 16, 2016	October 29, 2015	The Notice to Proceed for the Purchase Contract includes both UV Facilities
12	VII.21.e	complete purchase of major UV system equipment	August 15, 2016	August 15, 2016	June 30, 2016	Completion of shop witness testing of the OSPS UV Facility
12	VII.21.f	all major OSPS UV system equipment on site	October 31, 2016 or 75 days after VII.21.e (September 13, 2016) whichever is later	October 31, 2016	July 27, 2016	Projected date for completion of shop witness testing of the CAPS UV Facility
12	VII.21.g	issue Notice to Proceed for CAPS UV Facility	December 31, 2016	December 31, 2016	October 29, 2015	
12	VII.21.h	complete installation of OSPS UV Facility and initiate startup and testing	February 15, 2017	February 15, 2017	November 14, 2016	
12	VII.21.i	submit OSPS UV Facility certification of completion to NYSDOH and WCDOH	15 days after completion of OSPS UV Facility	December 20, 2016	December 16, 2016	Scheduled completion date is December 5, 2016
12	VII.21.i	submit timely responses to requests or questions from NYSDOH or WCDOH				
12	VII.21.j	complete start-up and testing and commence operation of OSPS UV Facility	May 15, 2017	May 15, 2017	December 5, 2016	
13	VII.21.k	all major CAPS UV system equipment on site	May 15, 2017 or 9 months after VII.21.e (May 4, 2017) whichever is later	May 15, 2017	August 30, 2016	Projected date for CAPS UV system to be on site is August 29, 2016
13	VII.21.l	complete installation of CAPS UV Facility and initiate startup and testing	December 15, 2017	December 15, 2017	March 23, 2017	
13	VII.21.m	submit CAPS UV Facility certification of completion to NYSDOH and WCDOH	30 days after completion of CAPS UV Facility	May 31, 2017	May 19, 2017	Scheduled completion date is May 2, 2017
13	VII.21.m	submit timely responses to requests or questions from NYSDOH or WCDOH				
13	VII.21.n	complete start-up, testing and commence operation of CAPS UV Facility	March 15, 2018	March 15, 2018	May 2, 2017	

13	VII.22	(i) obtain NYSDOH approval of final design (ii) obtain NYSDOH completed works approval as referenced in paragraphs 21 (i) and (m)	August 15, 2015 is included in the Consent Order, see note	August 21, 2015	August 21, 2015	Section VII.24 allows for automatic extension based on timely and complete application submission to NYSDOH which was accomplished, therefore the required date has been updated to August 21, 2015
Paragraph VIII. SUPPLEMENTAL ENVIRONMENTAL PROJECTS						
14	VIII.26.a	Enhanced pharmaceutical take back collection schedule increase by an additional 2 day per week	within 30 days after effective Consent Order Date	October 2, 2015	July 1, 2015	enhanced schedule will remain in place for 3 years or completion of 312 additional collection days, whichever occurs first
15	VIII.26.b	Enhanced hazardous household chemical collection schedule increase by one or two additional days per week	within 30 days after effective Consent Order Date	October 2, 2015	July 1, 2015	enhanced schedule shall remain in place for 3 years or completion of 220 additional collection days, whichever occurs first
15	VIII.26.c	Rain barrel distribution program - \$100,000 worth of 55 gallon rain barrels	within 30 days after effective Consent Order Date	October 2, 2015	July 1, 2015	educate public about purpose, installation and maintenance - program complete when all rain barrels are distributed