

# **WESTCHESTER JOINT WATER WORKS**

**Pre-Meeting Packet**

**For**

**Tuesday, October 26, 2021 at 3:30 p.m.**

**Board Meeting**

**-Revised-**

**NOTICE OF MEETING**

**WESTCHESTER JOINT WATER WORKS**  
**BOARD OF TRUSTEES**  
**MEETING**

The Westchester Joint Water Works Board of Trustees Meeting has been scheduled for:

**DATE:**               **October 26, 2021**

**DAY:**               **Tuesday**

**TIME:**             **3:30 p.m.**

**LOCATION:**       **Westchester Joint Water Works**  
                          **1625 Mamaroneck Avenue**  
                          **Mamaroneck, NY 10543**

In keeping with WJWW's goal of protecting public health and safety, the Board will conduct the meeting using a hybrid method combining in-person and virtual attendance in compliance with NYS Chapter 147 of the Laws of 2021. Interested parties may observe the meeting using Zoom, a web-based videoconferencing service by: (i) typing "join.zoom.us" on your web browser and entering the Webinar ID 92913064695, Passcode: 002934; or (ii) using the direct link <https://zoom.us/j/92913064695?pwd=eVV5VGZRMFQwRGx6MnZQazVVaklJdz09;> or (iii) dialing the one-tap telephone number 929 205 6099.

If you have any questions, please call (914) 698-3500, extension 610.

# **WESTCHESTER JOINT WATER WORKS BOARD OF TRUSTEES MEETING AGENDA**

**Tuesday, October 26, 2021 at 3:30 p.m.  
Conference Room  
1625 Mamaroneck Avenue, Mamaroneck, NY 10543  
-Revised-**

**The WJWW Board meeting will be conducted utilizing a hybrid method combining in-person and virtual attendance in compliance with NYS Chapter 147 of the Laws of 2021. Interested parties may observe the meeting virtually through the videoconferencing service Zoom which can be accessed by: (i) typing “join.zoom.us” on your web browser and entering the Webinar ID 92913064695, Passcode: 002934; or (ii) using the direct link <https://zoom.us/j/92913064695?pwd=eVV5VGZzMFQwRGx6MnZQazVValJldz09>; or (iii) dialing one-tap telephone number 929 205 6099.**

## **I. INTRODUCTIONS**

## **II. APPROVAL OF MINUTES**

- October 13, 2021 Board Meeting

## **III. FINANCIAL REPORTS AND APPROVALS**

- Bank Balances
- Approval of Claims
- General Administration
  - o Town/Village of Harrison Tax Levy Transfer
  - o Insurance Program Renewal

## **IV. OLD BUSINESS**

- Rye Lake Filtration Plant
  - o SEQR Update
    - Final Scope and Response to Comments Document Consultants Presentation
    - Resolution to Adopt, Publish and Post the Final Scope of Filtration Plant EIS
- Project Updates

## **V. MANAGER’S REPORT**

## **VI. NEW BUSINESS**

- Approval of Woodard & Curran Engineering Services Proposal for the Integration of the new Rye Lake UV Facility into the WJWW SCADA System, \$53,500
- Approval of Hazen Engineering Services Proposal for Purchase Street Booster Station Electrical Supports, \$9,500

## **VII. CONSIDERATION OF EXECUTIVE SESSION**

## **VIII. DATE OF NEXT MEETING - TBD**

**WESTCHESTER JOINT WATER WORKS**  
**Board of Trustees Meeting**  
**Wednesday, October 13, 2021 at 3:30 p.m.**

**Present:**

- Trustees: Ron Belmont (in-person), Nancy Seligson (in-person), Thomas Murphy (in-person)
- Lori Lee Dickson, General Counsel (via videoconferencing)
- Paul Kutzy, Manager (via videoconferencing)
- David Birdsall, Business Director (via videoconferencing)
- Frank Arcara, General Superintendent (via videoconferencing)
- Jacqueline Briggs, Assistant Civil Engineer (via videoconferencing)
- Zach Wasp, Assistant Civil Engineer (via videoconferencing)

**Introductions**

For the benefit of the public, WJWW Board members, WJWW staff and members of the Public shared their names and titles.

**Approval of Minutes**

Trustee Murphy made a motion to approve the minutes of the September 21, 2021 Board meeting. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

**Financial Reports and Approvals**

David Birdsall, Business Director, reviewed bank balances and presented claims to the Board highlighting significant items, among them: NYC Water Bills for July (NYC Water Board), Water Distribution System Repairs and Water Main Projects (Etre Associates), Payroll Costs, Rye Lake UV Facility Project (ELQ & H2M), Water Meters, Electric Bill for Month of August (NY Power Authority) and Water Treatment Chemicals (Jones & Shannon).

Approval of Claims: Trustee Belmont made a motion to approve 161 claims totaling \$2,127,708. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

**General Administration:**

- PKF O'Connor Davies Audit/Financial Services Agreement: Approval to renew a one-year contract with PKF O'Connor Davies Accountants and Advisors for Audit/Financial services for 2021, in the amount of \$25,100, is requested. This proposed extension of the current contract, with a \$600, 2% increase over 2020, provides for the full audit services review, as well as interim and



year-end financial statements. Trustee Murphy made a motion to approve contract. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	“aye”
Trustee Belmont	“aye”
Trustee Murphy	“aye”

- Developer Fees: David Birdsall, Business Director reported that a payment in the amount of \$220 thousand was received related to the 3 Westchester Avenue development project. These payments, are designed to offset project impacts - incremental to significant - to WJWW infrastructure.

## **Old Business**

- Rye Lake Filtration Plant:
  - SEQR Update: Lori Lee Dickson, General Counsel, reported that it is expected that the draft of the Final Scope will be presented to the Board at the next BOT meeting. It has been significantly revised based on comments from the public and various entities. In addition to the draft of the Final Scope, a document that includes all the comments that were submitted will also be circulated and it will include responses to these comments. These documents will be uploaded to the WJWW Filtration Plant microsite when adopted. WJWW team meetings continue and a discussion is currently underway to determine which consultants will be in attendance at the next Board meeting, in order to answer any questions that the Board may have.
  - Consideration of Resolution Authorizing Execution of a Non-Binding Memorandum of Understanding with Westchester County: A non-binding Memorandum of Understanding (MOU) with Westchester County, related to the Rye Lake Filtration Plant project, has been finalized. This MOU between WJWW and Westchester County, drafted by WJWW General Counsel and Westchester County attorney, David Vutera, is being presented for consideration of Board approval. It was explained that the MOU is necessary in order to lay out the roles and responsibilities of both parties and to finalize any agreements including deeds, exchange parcels and actions, which are part of the SEQR process. Lori Lee Dickson, General Counsel, reminded the Board that WJWW cannot enter into any formalized, obligatory agreements until the SEQR process is complete and reiterated that this MOU is non-binding for either party. The unexecuted version of the MOU has been uploaded to the WJWW website as part of this meeting's agenda document and will be uploaded to the Filtration Plant microsite, when it has been fully executed, in order to provide transparency and to educate the public. The resolution authorizing the execution of the non-binding Memorandum of Understanding with Westchester County was then presented to the Board for consideration. Trustee Murphy made a motion to approve the resolution to authorize the execution of the non-binding Memorandum of Understanding with Westchester County. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	“aye”
Trustee Belmont	“aye”
Trustee Murphy	“aye”

- Project Updates:
  - UV Facility / Rye Lake: The piping to the UV building has been installed and pressure testing has been completed. The grade beams have been poured and are curing and the drainage system has also been completed. The building will be delivered on Wednesday, October 20, 2021 and will be set in place on Thursday, October 21, 2021.

### **Manager's Report**

Paul Kutzy, Manager, announced that the American Water Works Association (AWWA), New York Section, awarded the "Operator's Meritorious Service Award" for 2021, to Frank Arcara, WJWW General Superintendent, at the Edwin C. Tift Jr. Water Supply Symposium, which was held in Syracuse, NY, on September 22, 2021. This award was given in honor of Frank's exemplary service over the years as a Water Supply Operator. The entire Board congratulated Frank on a job well-done.

### **New Business**

- Approval of H2M Engineering Services Proposal for Rehabilitation of Purchase Street Tanks: Approval of a proposal from H2M for engineering services for the rehabilitation of the Purchase Street Tanks, in the amount of \$337,500, is requested. It was noted that this joint capital project was previously approved at the BOT meeting on September 21, 2021, with a total estimated project cost of \$3,300,000 (\$1,650,000 per tank). The engineering services proposal being presented is included in this total project cost. Trustee Murphy made a motion to approve the H2M Engineering services proposal for the rehabilitation of the Purchase Street Tanks at a cost of \$337,500. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Approval of West Street & Avondale Water Main Replacement Project (TVOH): A local capital project (A-1383) to replace 537 linear feet of water main at this location, with an estimated total cost of \$400,000, is being proposed. The existing 6" cast iron water main has had repeated breaks over several years due to the age of the pipe, the deteriorated condition and the depth of the pipe, resulting in multiple, costly repairs. It was noted that the WASP engineering services proposal for this project was previously approved at the BOT meeting on April 28, 2020, in the amount of \$31,625 and is included in the total estimated project cost of \$400,000. Because WJWW is looking to share road repair costs with ConEd, who is also expected to do work in this area, the WASP engineering proposal has already secured WJWW Board and WCDOH approval. Trustee Belmont made a motion to approve the TVOH local capital project (A-1383) at an estimated total cost of \$400,000 for the replacement of 537 linear feet of water main at this location. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

- Approval of WASP Engineering Services Proposal for Structural Assessment of Floor System & Foundation Supports at WJWW Garage: The WJWW garage sustained damage as a result of the remnants of Hurricane Ida, as over a foot of water flooded the building. Cracks in the floor have appeared and there is damage to the supporting structure in the sub-basement, as well. Approval of an engineering services proposal for the structural assessment of the floor system and foundation supports by WASP Engineering, with cost of \$7,500, is requested. Trustee Belmont made a motion to approve the WASP Engineering proposal for engineering services related to the structural assessment of the floor system and foundation supports, with cost of \$7,500. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

### **Executive Session**

At 4:05 p.m., Trustee Murphy made a motion to go into Executive Session to discuss a personnel matter related to particular person and a report that WJWW has received from an independent hearing officer which requires an independent review. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

At 4:40 p.m., Trustee Murphy made a motion to leave Executive Session and return to the Regular Board meeting. Trustee Belmont seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

There was an action taken by the Board during Executive Session to pass a resolution related to a personnel issue. Trustee Belmont made a motion to pass the resolution related to employee #0126. Trustee Murphy seconded the motion, all in favor:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

### **Date of Next Meeting**

The next Board of Trustees meeting is scheduled for October 26, 2021 at 3:30 p.m.

With no further business to discuss, Trustee Murphy made a motion to adjourn the meeting. Trustee Belmont seconded the motion:

Trustee Seligson	"aye"
Trustee Belmont	"aye"
Trustee Murphy	"aye"

The meeting adjourned at 4:42 p.m.

**WESTCHESTER JOINT WATER WORKS  
GENERAL FUND ACCOUNTS  
TUESDAY, OCTOBER 26, 2021**

**CASH BALANCE IN STERLING NATIONAL BANK:**

GENERAL FUND	10/1/2021	\$	5,306,287.48
MONEY MARKET	10/1/2021	\$	1,207,703.43
TOTAL:		\$	6,513,990.91

**NET ACTIVITY: FROM 10/1/2021 TO 10/26/2021  
STERLING NATIONAL BANK**

\$	734,121.68
\$	734,121.68

**CASH AVAILABLE TO PAY CLAIMS:**

GENERAL FUND:	10/26/2021	\$	6,040,409.16
MONEY MARKET	10/26/2021	\$	1,207,703.43
TOTAL:		\$	7,248,112.59

LESS:	UNAPPROVED CLAIMS:	\$	(3,647,286.91)
	OUTSTANDING CHECKS PRIOR PERIODS:	\$	(159,192.13)

<b>CASH BALANCE AFTER PAYING CLAIMS:</b>	<b>\$</b>	<b>3,441,633.55</b>
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**CLAIMS PAYABLE:**

DATE	FROM	TO	
13-Oct-21	2110068	2110107	\$ 471,302.11
Check Nos.	63141	63180	
20-Oct-21	2110118	2110192	\$ 3,175,984.80
Check Nos.	63181	63255	
<b>TOTAL CLAIMS PAYABLE:</b>			<b>\$ 3,647,286.91</b>

**PAYROLL CLAIMS**

(ZERO BALANCE CHECKING ACCOUNT)

DATE	FROM	TO	
13-Oct-21	2110108	2110111	\$ 72,030.02
Check Nos.	2286	2286	
20-Oct-21	2110113	2110117	\$ 71,871.95
Check Nos.	2287	2287	
<b>TOTAL PAYROLL CLAIMS:</b>			<b>\$ 143,901.97</b>

<b>TOTAL ALL CLAIMS:</b>	<b>\$</b>	<b>3,791,188.88</b>
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Prepared by:  David Birdsall, Business Director

Submitted by:  David Birdsall, Business Director

Approved by: \_\_\_\_\_ Nancy Seligson, Chairperson  
Board of Trustees

**WESTCHESTER JOINT WATER WORKS**  
**REPORT OF BANK ACCOUNT BALANCES WITH STERLING NATIONAL BANK**  
**JANUARY 1, 2021 TO OCTOBER 26, 2021**

ACCOUNT	Interest Rates	01/12/21	01/26/21	02/09/21	02/23/21	03/09/21	03/23/21	04/13/21	04/27/21	05/11/21	05/25/21	06/08/21	06/22/21
GENERAL FUND	0.030	5,763,435	5,047,673	5,325,102	4,236,162	3,946,716	3,670,273	3,866,092	3,552,099	3,054,669	3,397,032	3,668,689	2,334,597
MONEY MARKET	0.070	1,206,933	1,206,933	1,207,001	1,207,001	1,207,070	1,207,070	1,207,148	1,207,148	1,207,223	1,207,223	1,207,301	1,207,397
CONSUMER DEP	0.030	792,317	789,317	783,334	783,334	746,349	743,349	746,364	746,364	743,380	738,080	741,096	744,000
CAPITAL FUND	0.030	9,696	9,696	9,696	9,696	9,696	9,696	9,698	9,696	9,688	0	0	0
<b>TOTALS:</b>		<b>7,772,381</b>	<b>7,053,619</b>	<b>7,325,133</b>	<b>6,236,193</b>	<b>5,909,831</b>	<b>5,630,388</b>	<b>5,829,302</b>	<b>5,515,307</b>	<b>5,014,960</b>	<b>5,342,335</b>	<b>5,617,087</b>	<b>4,285,995</b>
ACCOUNT	07/13/21	07/27/21	08/11/21	08/24/21	09/21/21	10/13/21	10/26/21						
GENERAL FUND	3,067,054	3,712,098	4,325,620	4,070,606	4,506,294	6,277,968	6,040,409						
MONEY MARKET	1,207,472	1,207,472	1,207,550	1,207,550	1,207,628	1,207,703	1,207,703						
CONSUMER DEP	741,015	741,015	744,031	737,031	737,047	737,062	740,062						
CAPITAL FUND	0	0	0	0	0	0	0						
<b>TOTALS:</b>	<b>5,015,542</b>	<b>5,660,585</b>	<b>6,277,201</b>	<b>6,015,187</b>	<b>6,450,969</b>	<b>8,222,733</b>	<b>7,988,174</b>						

**WESTCHESTER JOINT WATER WORKS**  
**CLAIMS LISTING FOR APPROVAL BY BOARD OF TRUSTEES**  
**TUESDAY, OCTOBER 26, 2021**

DATE OF MEETING	01/12/21	01/26/21	02/09/21	02/23/21	03/09/21	04/13/21	04/27/21	05/11/21	05/25/21	06/08/21	06/22/21	07/13/21	07/27/21	08/11/21	TOTAL
TOTAL NUMBER OF CLAIMS:	167	92	149	141	150	94	152	117	95	133	164	77	120	190	1935
TOTAL NUMBER OF CHECKS:	150	83	140	133	141	86	140	107	87	124	156	64	112	182	1791
AMOUNT OF CLAIMS & CHECKS	\$1,187,044	\$519,856	\$1,610,918	\$1,356,134	\$1,202,300	\$409,957	\$1,644,722	\$1,204,959	\$1,688,272	\$1,150,142	\$2,481,415	\$323,506	\$2,796,807	\$1,259,862	\$20,787,647
<b>MAJOR CATEGORIES</b>															
PAYROLL & BENEFITS	\$233,314	\$180,176	\$140,582	\$134,878	\$131,105	\$116,978	\$175,277	\$130,048	\$122,716	\$131,862	\$203,077	\$194,912	\$128,466	\$127,420	\$2,291,074
CHEMICALS, MATERIALS, PARTS	\$45,226	\$98,919	\$70,668	\$85,832	\$64,659	\$74,140	\$76,267	\$122,587	\$70,240	\$29,706	\$107,325	\$31,712	\$69,955	\$151,232	\$1,128,480
PERMITS/INSURANCES	\$99,466	\$5,400	\$0	\$89,508	\$14,924	\$108,869	\$107,673	\$10,319	\$87,895	\$19,730	\$21,972	\$49,365	\$83,841	\$3,080	\$716,472
PROFESSIONAL/ENGINEERING/LEGAL	\$69,267	\$2,838	\$14,272	\$86,017	\$17,502	\$39,231	\$45,763	\$101,642	\$17,303	\$27,715	\$64,821	\$18,778	\$23,827	\$24,587	\$585,721
NYC WATER BOARD/UNITED WATER	\$510,524	\$0	\$0	\$468,005	\$455,060	\$0	\$415,018	\$0	\$456,518	\$0	\$483,822	\$0	\$953,452	\$0	\$3,742,399
OFFICE & COMPUTER	\$11,495	\$320	\$25,493	\$9,095	\$10,524	\$27,371	\$6,278	\$13,952	\$9,265	\$21,025	\$13,559	\$8,417	\$18,643	\$15,675	\$202,251
UTILITIES & TELEPHONES	\$37,100	\$3,527	\$35,139	\$32,548	\$9,394	\$33,039	\$12,107	\$30,383	\$33,345	\$1,264	\$29,925	\$4,167	\$34,655	\$3,411	\$304,729
EMPLOYEE EDUCATION/EXPENSE	\$4,538	\$0	\$0	\$132	\$10,254	\$0	\$150	\$0	\$0	\$236	\$0	\$0	\$0	\$0	\$15,310
MEDICARE REIMBURSEMENTS	\$0	\$0	\$0	\$0	\$18,444	\$0	\$0	\$0	\$0	\$17,553	\$891	\$0	\$0	\$0	\$36,888
CUSTOMER REFUNDS	\$653	\$62,785	\$10,042	\$39	\$621	\$50	\$3,219	\$2,842	\$0	\$4,213	\$972	\$0	\$7,168	\$865	\$93,469
BLDG/S/GROUNDS IMPROVEMENTS	\$19,741	\$9,704	\$3,600	\$2,063	\$48,851	\$1,160	\$2,310	\$15,761	\$8,450	\$10,628	\$27,729	\$7,705	\$21,926	\$1,660	\$182,259
TAXES	\$0	\$33,809	\$4,030	\$0	\$7,642	\$0	\$67,349	\$0	\$9,717	\$26,405	\$0	\$0	\$0	\$0	\$149,839
AUTHORIZATIONS	\$155,720	\$122,204	\$45,550	\$79,608	\$338,502	\$3,449	\$722,601	\$92,708	\$856,000	\$661,763	\$479,044	\$8,450	\$556,864	\$432,966	\$4,999,034
O/S CONTRACTORS	\$0	\$174	\$660,693	\$368,409	\$74,818	\$5,670	\$10,710	\$0	\$16,828	\$198,042	\$83,237	\$0	\$213,336	\$498,079	\$2,639,849
<b>TOTAL CLAIMS/CHECKS:</b>	<b>\$1,187,044</b>	<b>\$519,856</b>	<b>\$1,010,069</b>	<b>\$1,356,134</b>	<b>\$1,202,300</b>	<b>\$409,957</b>	<b>\$1,644,722</b>	<b>\$1,204,959</b>	<b>\$1,688,272</b>	<b>\$1,150,142</b>	<b>\$1,516,374</b>	<b>\$323,506</b>	<b>\$2,111,933</b>	<b>\$1,259,862</b>	<b>\$17,087,774</b>
REIMB. FOR SEWER RENTS	\$0	\$0	\$600,849	\$0	\$0	\$0	\$484,068	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,769,791
DISTRIBUTIONS TO MUNIS	\$0	\$0	\$0	\$0	\$0	\$0	\$965,041	\$0	\$0	\$0	\$965,041	\$0	\$0	\$0	\$1,930,082
<b>GRAND TOTAL:</b>	<b>\$1,187,044</b>	<b>\$519,856</b>	<b>\$1,610,918</b>	<b>\$1,356,134</b>	<b>\$1,202,300</b>	<b>\$409,957</b>	<b>\$1,644,722</b>	<b>\$1,204,959</b>	<b>\$1,688,272</b>	<b>\$1,150,142</b>	<b>\$2,481,415</b>	<b>\$323,506</b>	<b>\$2,796,807</b>	<b>\$1,259,862</b>	<b>\$20,787,647</b>

DATE OF MEETING	TOTAL	08/24/21	09/21/21	10/13/21	10/26/21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002110118	AIRGAS, INC	214.05	(12) CYLINDERS LEASE
002110119	ADP, INC.	32.45	8/14/21 YTD OVERTIME ANALYSIS REPORT
002110120	ADP, INC.	1,851.68	P/E 9/25/21 PROCESSING CHARGES PAYROLL SERVICE
002110068	AMREX CHEMICAL CO., IN	5,400.00	(80) SODIUM SILICOFLUORIDE RYE LAKE STATION
002110069	B & A AUTOMOTIVE INC	270.84	CHECK 62840 VOID/7/26 FORD EXPL/COOPER SRX, MOUNT
002110121	B & A AUTOMOTIVE INC	10.00	8/31/21 20 FORD F150 SAFETY INSPECTION
002110122	B & A AUTOMOTIVE INC	802.91	9/14/21 15 FORD F350 SD/TRANSM SRV, CASE SER,RF MA
002110123	B & A AUTOMOTIVE INC	1,192.24	9/21/21 14 FORD F350 SD TRANSM SERV,TRANS CASE
002110124	CABLEVISION LIGHTPATH,	1,375.63	10/1/21-10/31/21 INTERNET WJWW OFFICE
002110125	CARMEL WINWATER WORKS	865.00	16 DI MJ PLUG SOLID, 30" STAR TITE/INVENTORY
002110126	CARMEL WINWATER WORKS	6,735.00	K SOFT COPPER / INVENTORY
002110127	CARMEL WINWATER WORKS	30,520.00	45 BEND, 30 DI MJ,30" STARGRIP/INVENTORY
002110128	CARMEL WINWATER WORKS	2,121.75	BEND, VALVE, STIF, PLUG AWWA/INVENTORY
002110129	CO-COMMUNICATIONS,INC	3,710.00	A1364 JOINT RYE LAKE FILTRATION FACILITY
002110130	CITIBANK	2,334.60	SEPTEMBER 2021 TRANS BELT KIT, AWWA,TYPEWRITTER
002110131	CITY OF NEW ROCHELLE	58,855.04	2021-2022 SCHOOL DISTRICT TAX/BL&LOT 4999-0009
002110132	CON EDISON -PRV DISTR	89.58	9/3/21-10/5/21 ELECTRICITY WESTCHESTER AVE PRV
002110133	CORE & MAIN LP	6,213.92	(4) OMNI 2 C2 100CF
002110134	DAKOTA SUPPLY CORP	1,584.00	KCRETE T/H SERVICE ROAD REPAIRS VARIOUS LOCATIONS
002110135	DIG SAFELY NEW YORK, I	489.00	JULY-SEPTEMBER 2021 LOCATION REQUEST SERVICE
002110136	EASTERN ANALYTICAL	500.00	V/M PINE KNOLL LN ANALYTICAL SERVICE
002110137	EASTCOM ASSOCIATES INC	1,004.80	(1) DIGICORR ACCELEROMETER
002110138	ENGINEERED FLUID INC.	669,863.05	A1352 JOINT RYE LAKE UV FACILITY
002110139	FEDERAL EXPRESS CORP.	72.70	10/14/21 & 10/13/21 2 SHIPMENTS STERLING BANK
002110140	FILINGERI ELECTRICAL	81,985.00	A1352 JOINT RYE LAKE UV FACILITY
002110070	GLOBAL MONTELLO GROUP	977.53	8/25/21 (450) GALS OF DIESEL WJWW TRUCKS
002110071	GLOBAL MONTELLO GROUP	980.47	9/21/21 (375) GALS OF GASOLINE WJWW VEHICLES
002110072	GLOBAL MONTELLO GROUP	880.44	9/15/21 (340) GALS OF DIESEL WJWW TRUCKS
002110073	GLOBAL MONTELLO GROUP	558.05	9/14/21 (200) GALS OF GASOLIN WJWW VEHICLES
002110074	GLOBAL MONTELLO GROUP	649.39	9/16/21 (250) GALS OF DIESEL WJWW TRUCKS
002110141	GREATAMERICA FINANCIAL	206.22	10/1/21-10/31/21 XEROX ALTALINK C8045 COPIER AG
002110075	HACH COMPANY	785.49	CHEMICALS & REAGENTS FOR PLANTS
002110142	HACH COMPANY	523.80	CHEMICALS AND REAGENTS FOR PLANTS
002110143	HACH COMPANY	1,203.01	CHEMICALS AND REAGENTS FOR PLANTS
002110144	HACH COMPANY	209.52	CHEMICALS AND REAGENTS FOR PLANTS
002110145	HACH COMPANY	535.08	CHEMICALS AND REAGENTS FOR PLANTS
002110076	HARPER HAINES FLUID CO	61,943.00	A1378 JOINT WEAVER ST. PUMP STATION PRV UPGRADE
002110077	HARPER HAINES FLUID CO	58,241.00	A1374 JOINTOSBORN CUSTOMER METER VAULT #3
002110146	HAZEN AND SAWYER, P. C	373,714.86	A1364 JOINT RYE LAKE FILTRATION FACILITY DESIGN
002110147	HAZEN AND SAWYER, P. C	331,088.61	A1364 JOINT RYE LAKE FILTRATION FACILITY DESIGN
002110148	HAZEN AND SAWYER, P. C	6,773.66	A1364 RYE LAKE FILTRATION FACILITY
002110149	HAZEN AND SAWYER, P. C	6,392.45	A1364 RYE LAKE FILTRATION FACILITY*
002110150	H2M ARCHITECTS + ENGIN	12,436.50	A1352 JOINT RYE LAKE UV FACILITY
002110151	H2M ARCHITECTS + ENGIN	8,600.00	A1352 JOINT RYE LAKE UV FACILITY
002110078	HUNTINGTON POWER	3,120.86	8/12/21 KENILWORTH BOOSTER PUMP STATION LEVEL1
002110152	THE JOURNAL NEWS	360.00	9/28/21 PUBLIC NOTIFICATION TO CONSUMER,LEGAL AD
002110153	K.R.B.VAC & JANITORIAL	129.65	SEPTEMBER 2021 MISC. ITEMS FOR ALL LOCATIONS
002110079	LANZA'S ELECTRICAL CON	6,090.00	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIFICAT
002110154	LANZA'S ELECTRICAL CON	270.00	10/11/21 RYE LAKE ELECTRICAL SERVICE
002110155	LANZA'S ELECTRICAL CON	135.00	10/5/21 RYE LAKE PUMP HOUSE EXHAUST FANS
002110080	W.B. MASON CO.INC.	1,036.25	2021 OFFICE SUPPLIES KEYBOARD, TONER,PAPER
002110156	MATRIX IMAGING SOLUTIO	2,414.86	SEPTEMBER 2021 BASIC AND ADD PACKAGES
002110157	MCI COMM SERVICE	37.77	OCTOBER 2021 INTERNET & TELEPHONE/PURCHASE ST
002110158	MCI COMM SERVICE	37.77	OCTOBER 21 LAKE ST PLANT PHONE/LONG DISTANCE SERV

VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002110159	MCI COMM SERVICE	37.77	OCTOBER 2021 PHONE FOR GENERATOR/LONG DISTANCE
002110081	MURTAGH, COSSU, VENDITTI	20,759.00	3/29-9/20 PROFESSIONAL LEGAL SERV RENDERED 82.30H
002110082	MCCARTHY FINGAR LLP	4,583.33	NOVEMBER 2021 PROFESSIONAL SERVICES RENDERED
002110160	NEXUS CREATIVE ARCHITE	13,650.00	A1364 JOINT RYE LAKE FILTRATION
002110161	NELSON POPE VOORHIS	4,626.25	A1364 JOINT RYE LAKE FILTRATION FACILITY
002110162	NELSON POPE VOORHIS	3,326.25	A1364 RYE LAKE FILTRATION FACILITY*
002110163	STATE OF NEW YORK	75,591.28	NOVEMBER 2021 HEALTH INSURANCE PREMIUM
002110164	NY POWER AUTHORITY	35,645.42	SEPTEMBER 2021 ELECTRIC POWER ALL LOCATION
002110165	NYC WATER BOARD	491,746.93	AUGUST 2021 RYE LAKE BL90100;LOT833;METER7909
002110166	NYC WATER BOARD	449,620.85	AUGUST 2021 SHAFT 22 BLOCK90100,LOT1270,METER9940
002110167	NYC WATER BOARD	318,404.00	AUGUST 2021 WJWW EXCESS PER CAPITA LOTS1270&833
002110168	NYC WATER BOARD	45,740.21	AUGUST 2021 V/L EXCESS PER CAPITA LOT 1270
002110169	OPTIMA ENVIRONMENTAL S	845.72	8/11/21 GAS PUMP NEEDS NEW HOSE
002110083	PERFECTION PLUS	4,555.00	SEPTEMBER GROUND MAINTENANCE ALL LOC & RESTOR/FLO
002110170	PITNEY BOWES INC	277.60	400 C RED INK CTDG, FLIP TOP BOTTLES
002110171	POLLARDWATER	625.60	PILOT TUBE BLEED ASSY/HYD FLOW, BLEED ADPT ASSY
002110172	POLLARDWATER	382.91	(72) MARK PAINT CBLUE/MARK OUTS
002110173	PRESCOTT, E.J.	68,059.23	5B62 HYD 3-6,4-6,5-0,5-6,6-6
002110084	SIGNS PLUS CORP	295.00	WJWW SIGN DOORS & REAR TRANSIT CONN 2020
002110085	SIGNS PLUS CORP	275.00	WJWW SIGNS 2017 FORD EXPORER / DOORS
002110174	SIGNS PLUS CORP	275.00	LETTERING & LOGO / VEHICLES
002110175	SHANNON CHEMICAL CORP	9,472.00	WEAVER ST WATER TREATMENT COMPOUND
002110176	SHI INTERNATIONAL CORP	365.50	11/1/21-11/30/21 (17) GPS UNITS AT INTELLISHIFT
002110086	TOTAL TECHNOLOGY SOLUT	756.00	OCTOBER 2021 (56) ADDITIONAL MAILBOX/OUTLOOK LICEN
002110087	TOTAL TECHNOLOGY SOLUT	4,195.00	NOVEMBER 2021 ESP MANAGED SERV & DESKTOP
002110088	TOTAL TECHNOLOGY SOLUT	123.00	HP S101 SOUND BAR SPEAKER
002110177	TOTAL TECHNOLOGY SOLUT	14,683.74	DOWN PAYMENT ON REPLACEMENT SERVER PROJECT
002110178	TOWN OF MAMARONECK	1,600.00	JULY-SEPTEMBER 2021 STREET OPENING PERMITS
002110089	THOMAS ENGLISH & ASSOC	2,116.95	6/10/21 WEAVER ST PLANT/REPL WORN PARTS.CAUSTIC PU
002110090	THOMAS ENGLISH & ASSOC	16,468.98	7/30/21 RYE LAKE/CI2 MAINTENANCE, ANNUAL
002110091	THOMAS ENGLISH & ASSOC	780.65	6/24/21 LARCHMONT & RYE LAKE REPAIR CHEMICAL FEED
002110092	THOMAS ENGLISH & ASSOC	1,547.29	7/8/21 RYE LAKE REBUILD CHLORINATOR #2
002110179	TOWN/VILLAGE OF HARRIS	600.00	SEPTEMBER 2021 ROAD OPENING PERMITS
002110093	TOWN OF HARRISON	240,000.00	A1352 JOINT RYE LAKE UV FACILITY/BUILDING PERMIT
002110094	TOWN OF HARRISON	400.00	A1352 JOINT RYE LAKE UV FACILITY/FIRE SUPPR PERMIT
002110095	LANCE TROIANO	112.50	REIMBURSEMENT FOR CDL LICENSE
002110180	TUCCIMAR INC.	437.70	REFUND FOR HYDRANT PERMIT #2020-02/HYDRANT # 3844
002110181	TUCCIMAR INC.	495.55	REFUND HYDRANT PERMIT #2021-15;HYDRANT # 3400
002110193	US POSTMASTER	1,000.00	POSTAGE FOR METER REFILL AMOUNT
002110096	U LINE	899.87	SCOTT CORELESS TOILET TISSUE, TOWELS, STEP STOOL
002110097	VERIZON	78.93	10/2/21-11/1/21 WEAVER ST.PLANT INTERNET & PHONE
002110098	VERIZON	51.62	10/2/21-11/1/21 PURCHASE ST INTERNET & TELEPHONE
002110182	VERIZON	234.82	10/7/21-11/6/21 INTERNET & TELEPHONE PURCHASE ST
002110183	VERIZON	51.63	10/6/21-11/5/21 LAKE ST PLANT PHONE
002110184	VERIZON	390.66	10/4/21-11/3/21 INTERNET & PHONE WEAVER ST PLANT
002110185	VERIZON	201.99	10/11/21-11/10/21 ALARM LINE OFFICE
002110186	VERIZON	219.96	10/13/21-11/12/21 FAX LINE OFFICE
002110099	VERIZON BUSINESS FIOS	102.73	10/1/21-10/31/21 RYE LAKE PHONE & INTERNET
002110187	VERIZON BUSINESS FIOS	34.04	10/6/21-11/5/21 PHONE LINE FOR GENERATOR
002110100	VINCENT GARAGE, INC	428.00	10/1-9/1/21 GASOLINE WJWW VEHICLES
002110101	VINCENT GARAGE, INC	358.30	10/2/21-10/5/21 GASOLINE WJWW VEHICLES
002110102	VINCENT GARAGE, INC	327.60	9/30/21-10/01/21 GASOLINE WJWW VEHICLES
002110103	VITOLITE ELECTRIC SALE	5,214.29	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
002110104	VITOLITE ELECTRIC SALE	122.52	A1373 JOINT PURCHASE BOOSTER STATION AND PRV MODIF



VB REFERENCE	VENDOR NAME.....	AMOUNT DUE	DESCRIPTION
002110105	VITOLITE ELECTRIC SALE	4,423.83	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
002110188	VITOLITE ELECTRIC SALE	43.67	A1373 JOINT PURCHASE BOOSTER STATION
002110189	VITOLITE ELECTRIC SALE	180.65	A1373 JOINT PURCHASE BOOSTER STATION
002110190	WESTERN PEST SVCS	98.00	OCTOBER 2021 MONTHLY PEST CONTROL SERVICE
002110106	WEST CTY DEPT OF LABS	4,776.00	JULY 2021 LABORATORY ANALYSES/ALL LOCATION
002110191	WOODARD & CURRAN INC.	15,900.00	9/3/21 SCADA SYSTEM UPGRADE/COMPL 9/3/21
002110192	WOODARD & CURRAN INC.	3,628.71	2021 SCADA SERVICE & OPERATIONS TECH ASS
002110107	XYLEM DEWATERING SOLUT	16,617.40	A1373 JOINT PURCHASE BOOSTER STATION PRV MODIF
**		3,647,286.91	
*			
09 002110108	STERLING NATIONAL BANK	19,628.18	#41 P/E 10/09/21 FEDERAL PAYROLL TAXES WITHHOLDING
09 002110113	STERLING NATIONAL BANK	19,325.42	#42 P/E 10/16/21 FEDERAL PAYROLL TAXES WITHHOLDING
09 002110109	NYS DEFERRED COMPENSAT	3,379.69	#41 P/E 10/09/21 NYS DEFERRED COMP
09 002110114	NYS DEFERRED COMPENSAT	3,447.44	#42 P/E 10/16/21 NYS DEFERRED COMP
09 002110110	NYS INCOME TAX	3,696.49	#41 P/E 10/09/21 NYS PAYROLL TAXES WITHHOLDING
09 002110115	NYS INCOME TAX	3,697.88	#42 P/E 10/16/21 NYS PAYROLL TAXES WITHHOLDING
09 002110111	PAYROLL	44,862.06	#41 P/E 10/09/21 PAYROLL SUMMARY
09 002110116	PAYROLL	44,937.61	#42 P/E 10/16/21 PAYROLL SUMMARY
09 002110112	UTILITY WORKER UNION L	463.60	#41 P/E 10/09/21 UNION DUES
09 002110117	UTILITY WORKER UNION L	463.60	#42 P/E 10/16/21 UNION DUES
**		143,901.97	
*			
		3,791,188.88	

[405] 126 items listed out of 24949 items.

For Billings As Of: 10/20/2021  
For Cash Received As Of: 10/20/2021

Date	Percentage of Receivable Balance Over 60 Days	Total # of Accts Over 60 Days	Total Balances Over 60 Days	Village of Mamaroneck		Town of Mamaroneck		Town/Village of Harrison		City of Rye		City of New Rochelle	
				# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance	# of Accts	Overdue Balance
05/21/20	20%	1,415	\$ 337,119	455	\$ 19,396	222	\$ 27,457	700	\$ 274,797	33	\$ 11,761	5	\$ 3,709
06/05/20	16%	1,296	\$ 350,696	398	\$ 8,409	263	\$ 40,925	601	\$ 287,246	28	\$ 10,234	6	\$ 3,880
06/18/20	28%	1,238	\$ 538,921	433	\$ 55,064	215	\$ 35,243	565	\$ 435,010	21	\$ 9,942	4	\$ 3,663
07/10/20	16%	1,026	\$ 499,408	317	\$ 7,091	235	\$ 48,540	450	\$ 429,579	19	\$ 9,705	5	\$ 4,493
07/23/20	17%	1,096	\$ 573,745	407	\$ 34,341	187	\$ 40,861	475	\$ 483,299	23	\$ 11,534	4	\$ 3,710
08/10/20	17%	1,076	\$ 612,077	316	\$ 20,224	219	\$ 60,089	524	\$ 519,028	13	\$ 9,601	4	\$ 3,136
08/20/20	14%	1,242	\$ 602,277	396	\$ 54,087	376	\$ 52,359	451	\$ 480,623	15	\$ 11,939	4	\$ 3,269
09/03/20	18%	1,079	\$ 555,207	331	\$ 37,437	217	\$ 79,674	513	\$ 423,066	12	\$ 10,780	6	\$ 4,251
09/17/20	21%	1,061	\$ 689,958	403	\$ 66,343	155	\$ 55,045	473	\$ 549,349	24	\$ 14,978	6	\$ 4,243
10/08/20	21%	1,026	\$ 719,397	319	\$ 51,733	189	\$ 77,073	492	\$ 575,143	20	\$ 10,070	5	\$ 5,379
10/22/20	21%	923	\$ 664,856	368	\$ 98,423	136	\$ 55,660	390	\$ 493,389	24	\$ 12,946	5	\$ 4,438
11/05/20	26%	963	\$ 531,395	325	\$ 74,845	206	\$ 82,479	410	\$ 359,031	17	\$ 10,356	5	\$ 4,684
11/19/20	22%	914	\$ 576,828	320	\$ 86,008	150	\$ 59,801	415	\$ 409,867	24	\$ 17,176	5	\$ 3,977
12/10/20	33%	1,113	\$ 715,599	335	\$ 96,535	177	\$ 68,044	575	\$ 531,816	19	\$ 14,779	7	\$ 4,425
01/08/21	49%	858	\$ 717,116	246	\$ 117,309	90	\$ 29,348	500	\$ 557,384	18	\$ 14,097	4	\$ (1,021)
01/22/21	39%	974	\$ 729,309	372	\$ 138,995	54	\$ 20,011	509	\$ 553,650	39	\$ 18,005	1	\$ (1,352)
02/05/21	43%	814	\$ 681,554	263	\$ 125,359	152	\$ 28,754	360	\$ 512,685	31	\$ 15,858	8	\$ (1,103)
02/19/21	39%	941	\$ 703,002	362	\$ 142,086	98	\$ 10,975	447	\$ 540,133	29	\$ 11,124	5	\$ (1,317)
03/04/21	46%	748	\$ 657,152	268	\$ 134,671	122	\$ 13,729	333	\$ 499,669	19	\$ 10,170	1	\$ (1,087)
03/18/21	29%	961	\$ 453,456	195	\$ 128,865	86	\$ 2,368	661	\$ 315,613	14	\$ 7,854	5	\$ (1,245)
04/09/21	29%	742	\$ 419,532	176	\$ 81,094	143	\$ 14,011	404	\$ 313,927	12	\$ 10,796	7	\$ (296)
04/23/21	24%	805	\$ 309,707	294	\$ (9,820)	100	\$ 4,518	383	\$ 304,795	22	\$ 10,594	6	\$ (380)
05/07/21	20%	864	\$ 302,356	223	\$ (14,998)	139	\$ 12,464	479	\$ 296,698	16	\$ 8,021	7	\$ 171
05/20/21	19%	965	\$ 304,900	397	\$ 6,124	102	\$ 6,231	437	\$ 283,630	24	\$ 9,387	5	\$ (471)
06/03/21	22%	944	\$ 295,873	331	\$ 1,953	235	\$ 18,325	347	\$ 266,253	22	\$ 9,057	9	\$ 286
06/17/21	17%	889	\$ 378,182	242	\$ 15,446	102	\$ 28,658	522	\$ 324,927	16	\$ 9,022	7	\$ 130
07/09/21	14%	822	\$ 434,134	211	\$ 17,384	142	\$ 33,392	450	\$ 369,624	15	\$ 12,944	4	\$ 788
07/21/21	14%	841	\$ 436,926	313	\$ 36,597	107	\$ 27,953	396	\$ 357,538	20	\$ 14,444	5	\$ 394
08/04/21	18%	873	\$ 379,617	232	\$ 24,668	168	\$ 35,815	450	\$ 304,571	17	\$ 13,770	6	\$ 792
08/19/21	12%	942	\$ 379,340	341	\$ 37,746	106	\$ 21,974	455	\$ 301,319	35	\$ 18,245	5	\$ 57
09/16/21	13%	1,082	\$ 444,281	308	\$ 34,122	180	\$ 33,537	575	\$ 362,444	14	\$ 13,302	5	\$ 876
10/20/21	18%	1,188	\$ 473,260	490	\$ 107,046	190	\$ 38,180	462	\$ 307,179	43	\$ 20,262	3	\$ 592

## Commercial Backflow Status

10/8/2021

("Commercial" includes: Commercial, Industrial, Institutional, Apartment Buildings & Multi-family 3+ residences)

Hazard Category	Level	Has BFD	%	In Process of Applying for or Installing BFD	%	Ordered to Install BFD due to No Response	%	Under Review Based on Use/Activities	%	Requested Use Info	%	Totals
Dental/Veterinary/Medical Related Activities	High	55		0		1		0		0		56
Industrial/Chemical Using Related Activities	High	118		4		1		0		0		123
<b>Subtotal High Hazard</b>		<b>173</b>	<b>97%</b>	<b>4</b>	<b>2%</b>	<b>2</b>	<b>1%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>179</b>
Auto or Repair/Boat Servicing Activities	Medium	85		0		3		0		0		88
Restaurant/Food/Club Related Activities	Medium	159		0		8		0		0		167
Office/Retail/Warehouse Related Activities	Medium	322		8		47		0		0		377
<b>Subtotal Medium Hazard</b>		<b>566</b>	<b>90%</b>	<b>8</b>	<b>1%</b>	<b>58</b>	<b>9%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>632</b>
Apartment Building (3+ Units)	Low	87		5		4		0		255		351
<b>Subtotal Low Hazard</b>		<b>87</b>	<b>25%</b>	<b>5</b>	<b>1%</b>	<b>4</b>	<b>1%</b>	<b>0</b>	<b>0%</b>	<b>255</b>	<b>73%</b>	<b>351</b>
Use To Be Determined/Identified		0		0		16		0		0		16
<b>Subtotal Use To Be Determined/Identified Hazard</b>	<b>TBD</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>16</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>16</b>
<b>Totals</b>		<b>826</b>		<b>17</b>		<b>80</b>		<b>0</b>		<b>255</b>		<b>1178</b>
<b>% of Total</b>		<b>70%</b>		<b>1%</b>		<b>7%</b>		<b>0%</b>		<b>22%</b>		<b>100%</b>

## Residential Backflow Status (Res-1 family & Res-2 family)

Municipality	Has BFD	%	In Process of Applying for or Installing BFD	%	Communication Has occurred Between WJWW & Customer Regarding BFD	%	Under Review Based on Use/Activities	%	Totals
Village of Mamaroneck	441	12%	7	0%	290	8%	2921	80%	3659
Town of Mamaroneck	546	18%	15	1%	483	16%	1954	65%	2998
T/V of Harrison	1473	25%	24	0%	154	3%	4180	72%	5831
City of Rye	58	17%	1	0%	4	1%	275	81%	338
City of New Rochelle	2	3%	0	0%	0	0%	69	97%	71
<b>Totals</b>	<b>2520</b>		<b>47</b>		<b>931</b>		<b>9399</b>		<b>12897</b>
<b>% of Total</b>	<b>20%</b>		<b>0%</b>		<b>7%</b>		<b>73%</b>		<b>100%</b>

## WJWW Insurance Renewal Program 2021-2022

LINE OF COVERAGE		EXPIRING PROGRAM		PROPOSED PROGRAM	
		CARRIER	EXPIRING COST	CARRIER	ESTIMATED COST
<b>Property</b>	Premium	AGCS Marine Insurance Company (Allianz SE)	\$47,932.00	AGCS Marine Insurance Company (Allianz SE)	\$52,308.00
	Srchrg & Asmnt		\$276.00		\$294.00
	<b>Estimated Cost</b>		<b>\$48,208.00</b>		<b>\$52,602.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		\$1,438.00		\$1,569.00
<b>General Liability</b>	Premium	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$70,119.00	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$76,224.00
	<b>Estimated Cost</b>		<b>\$70,119.00</b>		<b>\$76,224.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		\$70,119.00		
<b>Automobile</b>	Premium	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$22,787.00	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$23,631.00
	Srchrg & Asmnt		\$290.00		\$290.00
	<b>Estimated Cost</b>		<b>\$23,077.00</b>		<b>\$23,921.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		-		-
<b>Public Officials E&amp;O</b>	Premium	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$15,920.00	National Fire Insurance Co of Hartford (CNA Insurance Companies)	\$16,643.00
	<b>Estimated Cost</b>		<b>\$15,920.00</b>		<b>\$16,643.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		-		-
<b>Lead Umbrella</b>	Premium	Berkley Insurance Company (W. R. Berkley Group)	\$33,770.00	Berkley Insurance Company (W. R. Berkley Group)	\$36,510.00
	<b>Estimated Cost</b>		<b>\$33,770.00</b>		<b>\$36,510.00</b>
	TRIA Premium		\$675.00		\$730.00
<b>Excess Liability</b>	Premium	American Alternative Insurance Corp (Munich Re America Corporation Group)	\$15,680.00	American Alternative Insurance Corp (Munich Re America Corporation Group)	\$16,363.00
	<b>Estimated Cost</b>		<b>\$15,680.00</b>		<b>\$16,363.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		\$1,568.00		\$1,637.00
<b>Crime</b>	Premium	Travelers Casualty and Surety Co of America (The Travelers Companies, Inc.)	\$4,837.00	Travelers Casualty and Surety Co of America (The Travelers Companies, Inc.)	\$6,000.00
	<b>Estimated Cost</b>		<b>\$4,837.00</b>		<b>\$6,000.00 *</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		-		-
<b>Cyber Liability</b>	Premium	BCS Insurance Company (BCS Insurance Company)	\$6,995.00	BCS Insurance Company (BCS Insurance Company)	\$10,864.00
	<b>Estimated Cost</b>		<b>\$6,995.00</b>		<b>\$10,864.00</b>
	Annualized Cost		N/A		N/A
	TRIA Premium		\$69.00		
	Cyber Deception		\$630.00		
<b>Total Estimated Program Cost</b>			<b>\$219,236.00</b>		<b>\$239,127.00</b>
<b>with TRIA</b>			<b>\$222,986.00</b>		<b>\$243,063.00</b>

\*estimate - quote still pending





## Westchester Joint Water Works

1625 Mamaroneck Avenue  
Mamaroneck, New York 10543  
www.wjww.com

Telephone: (914) 698-3500  
Fax: (914) 381-4241  
Fax: (914) 381-0349

### **RESOLUTION ADOPTING, PUBLISHING AND POSTING THE FINAL SCOPE FOR PREPARATION OF THE ENVIRONMENTAL IMPACT STATEMENT – SEQRA REVIEW - RYE LAKE FILTRATION PLANT PROJECT**

**WHEREAS**, at the January 12, 2020 Board of Trustees meeting, Westchester Joint Water Works adopted a Positive Declaration under the New York State Environmental Quality Review Act (“SEQRA”) in connection with the proposed Rye Lake Filtration Plant project which triggered the need for preparation of an environmental impact statement (“EIS”) for the review of any potentially significant adverse impacts that may result from the project; and

**WHEREAS**, at the board meeting on March 23, 2021, WJWW adopted a draft scope for the EIS and commenced a 30-day comment period, and the draft scope was then provided to all involved agencies, made available to the public and interested agencies, and was the subject of a public scoping session conducted on April 13, 2021; and

**WHEREAS**, WJWW has now collected, compiled, reviewed and considered all comments on the draft scope received at the public scoping session and during the scoping comment period, which was extended by two additional weeks from April 23 to May 10, 2021, and is now prepared to meet its obligations pursuant to SEQRA regulations at 6 CRR-NY 617.8 and adopt a final written scope which will direct the preparation of a draft EIS on the proposed Rye Lake Filtration Plant project.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Trustees of the Westchester Joint Water Works hereby adopts a final written scope (“Final Scope”) for the EIS in connection with the proposed Rye Lake Filtration Plant project which fulfills the stated goals of scoping set forth in SEQRA regulations at 6 CRR-NY 617.8(a) “to focus the EIS on potentially significant adverse impacts and to eliminate consideration of those impacts that are irrelevant or not significant”; and

**BE IT FURTHER RESOLVED** that the Board of Trustees of the Westchester Joint Water Works hereby directs publication of notice of the Final Scope in the Environmental Notice Bulletin in accordance with 6 CRR-NY 617.12(c)(1) and further directs that the Final Scope, and any related documents responding to comments on the draft scope, be posted on the project-specific public website <https://wjwwfiltration.org/> in accordance with 6 CRR-NY 617.12(c)(5); and

**BE IT FURTHER RESOLVED** that the Board of Trustees of the Westchester Joint Water Works hereby directs the preparation of a draft EIS (“DEIS”) based upon the Final Scope, which DEIS shall be made available to the Board for evaluation antecedent to its determination of adequacy for the commencement of public review in accordance with SEQRA regulations at 6 CRR-NY 617.9(a)(2).



October 13, 2021

Paul Kutzy, P.E., Manager  
Westchester Joint Water Works  
1625 Mamaroneck Ave  
Mamaroneck, NY 10543

Re: Rye Lake UV SCADA Proposal

Dear Mr. Kutzy:

Woodard & Curran Engineering and Geological Services P.A. P.C. (W&C) is pleased to provide Westchester Joint Water Works (WJWW) with this proposal for support and integration of the new Rye Lake UV System into the WJWW water supply SCADA system. As part of WJWW's ongoing efforts to improve operational efficiency, we will build on the existing SCADA system designed and integrated by W&C, allowing us to be able to deliver this project in an efficient manner. Below please find our Scope of Services and Project Budget.

### **SCOPE OF SERVICES**

W&C will provide instrumentation, controls, communications, and SCADA technical support to WJWW during the design, implementation, startup, and testing of the new UV System being constructed at the Rye Lake location. In addition, W&C will provide the SCADA programming required to integrate the UV System into the existing SCADA system.

W&C proposes to perform the following services:

- Attend and/or conduct project meetings with WJWW, consultants, equipment suppliers, and subcontractors during the design, implementation, startup and testing phases;
- Review and advise WJWW on instrumentation, controls, communications, and SCADA issues associated with integrating the new UV System into WJWW's SCADA system;
- Program existing SCADA PLC's and OIT's to interface existing equipment and systems with the new UV System and to update the existing SCADA system to integrate the new UV System as follows:
  - Coordinate with the other suppliers to finalize Sequence of Operations;
  - Coordinate with the other suppliers to finalize data exchange between UV System PLC's and the SCADA PLC's;
  - Provide equipment and device specifications as required to assure compatibility and consistency with existing SCADA equipment;
  - Program SCADA PLC's as required to accomplish required control and monitoring;
  - Develop, install, and test new SCADA screens on all the WJWW SCADA nodes;
  - Add new alarms as required and test;
  - Modify or add reports as required and test;
  - Support other suppliers during the UV System installation;
  - Perform final startup, test, and troubleshoot all updated SCADA system functions;



- Train operations personnel on new SCADA system functions; and
- Update existing SCADA system drawings and other documentation.
- Provide support to WJWW and their consultants, suppliers, and contractors during the final startup and testing of the new UV System.

#### **ASSUMPTIONS/EXCLUSIONS**

- WJWW or their UV System consultant will provide detailed Control Narratives, Sequence of Operations, and interface requirements required for the UV System.
- WJWW's electrical contractor will perform all installation, including conduit, wiring, fiber-optic cables, fiber patch panels, fiber switches, and fiber terminations.
- If permits are necessary, permitting fees will be paid directly by WJWW.

#### **PROJECT BUDGET**

Woodard & Curran proposes to perform the UV System Integration and Implementation services presented above on a Time and Materials basis. Woodard & Curran will provide this work for a fee of **\$53,500**, not to exceed without prior WJWW authorization. This breaks down approximately as follows:

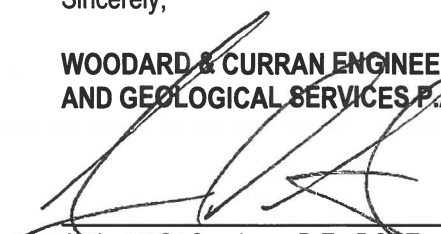
- |   |          |
|---|----------|
| • Project Coordination, Review, Design Support    | \$14,450 |
| • Programming (PLC, OIT, HMI, Alarms, Reports)    | \$27,300 |
| • Implementation, Startup, Testing for UV & SCADA | \$11,750 |


This work will be conducted in accordance with Terms and Conditions as authorized by WJWW on July 14, 2020 and will be billed monthly on Time and Materials basis.

We appreciate the opportunity to provide this proposal for your consideration. If you have any questions, please do not hesitate to contact me at (914) 246-2931 or Paul Couture at (401) 484-6106.

Sincerely,

**WOODARD & CURRAN ENGINEERING  
AND GEOLOGICAL SERVICES P.A. P.C.**

  
Anthony C. Catalano, P.E., BCES  
Principal

  
Paul G. Couture, PMP  
Project Manager

cc: Steven Robbins, W&C  
Frank Arcara, WJWW

**SEEN AND AGREED:**

\_\_\_\_\_  
Date



Hazen and Sawyer  
498 Seventh Avenue, 11th Floor  
New York, NY 10018 • 212.539.7000

October 13, 2021

Paul Kutzy, PE  
Manager  
Westchester Joint Water Works  
1625 Mamaroneck Avenue  
Mamaroneck, NY 10543

**Re: Proposal for Professional Engineering Services for Purchase Street Booster Station Electrical Supports**

Dear Mr. Kutzy:

Hazen is pleased to provide this letter proposal for engineering services associated with the design of electrical supports, as required to implement electrical and pumping improvements currently under construction as part of the Purchase Booster Station Upgrades Project. We have an unparalleled knowledge of the Purchase Street Booster Station, gathered from our initial design of the pumping station in the 1990s and supplemented by numerous improvement projects on site. We look forward to continuing to assist Westchester Joint Water Works (WJWW) with improvements to the facility.

Please let us know if you have any questions or comments on any aspect of this proposal. I can be reached at (732) 236-4055 or [efeldman@hazenandsawyer.com](mailto:efeldman@hazenandsawyer.com). Once we receive your concurrence and authorization, Hazen is ready to perform the services as presented herein.

Sincerely,

Eileen McCarthy Feldman, PE  
Associate Vice President

cc: WJWW: Frank Arcara, David Birdsall, Jacqueline Briggs, Mary Polvere, Zach Wasp  
Hazen: Ryan Neumann, PE



# Purchase Street Booster Station Electrical Supports

## 1. Project Background and Understanding

Westchester Joint Water Works (WJWW) recently replaced pumps and a Motor Control Center (MCC) in the Purchase Street Booster Station as part of the ongoing Purchase Booster Station Upgrades Project. During installation of the MCC, WJWW recognized the need for additional structural and electrical engineering details to connect the electrical wiring from the MCC to the pumps. An initial concept discussed between WJWW and its electrical contractor involved hanging a metal trough containing wires to feed the pumps from the ceiling, however, there are concerns about the roof type, material and strength since it was not designed to bear hanging loads. Since Hazen was responsible for the initial Purchase Street Booster Station design in the 1990s and has since performed multiple other improvement projects within the pumping station, WJWW requested we establish a feasible design to route wire from the MCC to the new pumps.

## 2. Scope of Services

Our services will include the following tasks:

### 2.1 Task 1 – Site Visits

We will perform two site visits to the Purchase Street Booster Station.

- The first visit will be attended by our lead electrical engineer and project engineer to meet with WJWW and its electrical contractor. During this visit, Hazen will evaluate the constraints of the existing site and discuss potential solutions.
- The second visit will be attended by our project engineer during construction to inspect the installation and confirm that it was completed in accordance with the design.

### 2.2 Task 2 – Evaluation and Design of Electrical Supports

Following the initial site visit, we will evaluate solutions to route wire from the MCC to the new pumps. The recommended concept will need to be cognizant of the spatial limitations in the booster pump station. We understand that during the ongoing construction, the Contractor had challenges maneuvering and installing the new pumps due to limited available space and complex rigging required. This available space will need to be maintained so that the pumps can be maintained and/or removed in the future.

At the completion of this evaluation, Hazen will provide WJWW with our recommended wiring route and an anchoring/bracket detail. WJWW's Contractor will be responsible for placing anchors/brackets as needed.

## 3. Schedule and Budget

### 3.1 Schedule

We understand the urgency for this design so that the upgrades to the Purchase Street Booster Station can be put into service and construction completion is not delayed. With this in mind, we conducted the first site visit scoped in Task 1 on Thursday, October 7, 2021, prior to submittal of this proposal. Once formally authorized to proceed, Hazen will evaluate the potential solutions and provide a design sketch as soon as possible. Once the electrical supports are installed by the electrical contractor, Hazen will complete the second and final site visit to ensure compliance with the proposed design.

### 3.2 Budget

We proposes to perform these services for the total not-to-exceed budget of \$9,500. As with our other projects with WJWW, Hazen will invoice monthly by task at the direct labor rate for staff involved in the evaluation utilizing a multiplier of 3.1, with all direct expenses at invoiced at cost. The following provides our estimated costs by task.

Task No.	Description	Fee by Task
1	Site Visits	\$1,500
2	Analysis and Design of Electrical Supports	\$8,000
	<b>Total</b>	<b>\$9,500</b>

#### PROPOSAL AGREED & ACCEPTED BY:



Eileen McCarthy Feldman, PE  
Associate Vice President  
Hazen and Sawyer

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Westchester Joint Water Works

Date: \_\_\_\_\_

**Water Filtration Plant  
Town of Harrison, New York  
Final Scope  
For Preparation of a  
Draft Environmental Impact Statement (DEIS)**

Westchester Joint Water Works

Draft Scope Filing Date: March 23, 2021

Scoping Hearing Date: April 13, 2021

Last Date to Submit Comments: May 10, 2021

Classification of Action: Unlisted

Lead Agency: Westchester Joint Water Works  
1625 Mamaroneck Ave  
Mamaroneck, NY 10543

This document identifies the environmental topics to be addressed in the Draft Environmental Impact Statement (DEIS) for the proposed Westchester Joint Water Works Filtration Plant (Project) in the Town of Harrison, New York, proposed by Westchester Joint Water Works (WJWW, the Applicant, the Project Sponsor, and the Lead Agency). This Scope document meets the requirements of 6 NYCRR Part 617.8 (e) (1) through (7). For the purposes of this Scope, the term “Action” means the proposed construction and operation of the Project and all related funding, real estate transactions, approvals and permits.

## **A. DESCRIPTION OF PROPOSED ACTION**

### **Background**

Westchester Joint Water Works is a non-profit public benefit corporation formed by an Act of the NYS Legislature<sup>1</sup> at the request of the three member municipalities of the Village of Mamaroneck, the Town of Mamaroneck, and the Town/Village of Harrison for the purpose of cooperatively operating a public water works system. WJWW supplies water to its member municipalities for retail sale to their resident consumers and to portions of the City of Rye and the City of New Rochelle, serving a total retail population of over 59,000 persons from over 14,600 service connections. WJWW provides water on a wholesale basis to the for-profit water company Suez Water Westchester, which sells water to the City of Rye, Village of Rye Brook, and Village of Port Chester. WJWW also supplies water to the Village of Larchmont on a wholesale basis. In all, WJWW provides drinking water to some 120,000 consumers in Westchester County.

The water supply for the WJWW system is obtained from the upstate Catskill and Delaware watersheds of the New York City (NYC) water system. WJWW draws its water from two connections to the NYC system: (i) Shaft 22 of the NYCDEP Delaware Aqueduct in Yonkers and (ii) Rye Lake, the eastern portion of Kensico Reservoir, in Harrison. The Proposed Action is related to the water drawn from Rye Lake.

The Rye Lake source water is currently treated with chlorine, fluoride, and corrosion inhibitor at the Rye Lake Pump Station (“RLPS”). The water is pumped from the RLPS to the Purchase Street Storage Tanks where pH adjustment occurs via the addition of sodium hydroxide.

In 1993, New York State Department of Health (NYSDOH) determined that Rye Lake does not meet the criteria established by the State for filtration avoidance. In response to this determination, WJWW took several steps to avoid the need for the construction of a costly filtration plant. These steps included improvements to its chlorination disinfection system and the construction of additional treated water storage capacity to provide additional disinfection contact time. The raw water intake was also moved farther into Rye Lake and placed at a greater

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<sup>1</sup> Chapter 654 of the Laws of New York, 1927 entitled “An Act to authorize two or more municipalities, excepting cities but including water districts, jointly to acquire, construct, lease and maintain a water works system, to provide for the method of financing therefor, to provide for the management, operation, sale and disposition thereof, and otherwise to act jointly concerning the obtaining and distributing of a supply of water.”

depth to access higher quality water from the lake. In addition, a turbidity curtain was installed in the reservoir in the area where storm water runoff from Interstate 684 and the County Airport enters the reservoir in an effort to protect the raw water quality of the intake.

In an action brought by NYSDOH pursuant to section 12 of the Public Health Law, the State Supreme Court for Westchester issued an Order, entered on January 23, 2002, that granted NYSDOH's motion for summary judgment, holding that WJWW violated the State Sanitary Code by failing to construct and operate a water filtration plant. The State Supreme Court's Order was affirmed on appeal in 2003. Upon remand, on June 9, 2004, the Supreme Court granted a permanent injunction requiring WJWW to construct a filtration plant (Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone). The permanent injunction was upheld on appeal in 2005. It remains in effect today.

To comply with the injunction, which established a schedule and milestones toward compliance with the mandatory filtration requirement, WJWW prepared to proceed with construction of a membrane filtration plant. The plant was proposed to be located on a 13.4-acre parcel of property it had acquired in the Town of Harrison adjacent to the County Airport. The project was identified as a Type II action under the Type II category that is today codified at 6 N.Y.C.R.R. § 617.5(c)(35) ("a particular course of action specifically required to be undertaken pursuant to a judgment or order"). WJWW determined that it would submit for local approvals and follow the Town/Village of Harrison Planning Board process. Applications for local site plan and special exception use permits were submitted to the Planning Board, which issued a negative declaration under SEQRA and granted approvals on June 21, 2005. The final design of WJWW's original water treatment plant was completed and approved by NYSDOH and the County Department of Health in 2006.

As a result of lawsuits brought by a third party challenging certain permits and approvals for the facility, the Planning Board rescinded its prior approvals and, notwithstanding the prior classification of the action as Type II and negative declaration, issued a positive declaration on June 11, 2007. In accordance with a scope adopted by the Planning Board, WJWW proceeded to prepare a DEIS, which the Planning Board certified as complete on September 25, 2007. A public hearing was conducted on November 15, 2007, and WJWW prepared and submitted a draft FEIS in July 2008.

As part of the EIS process, WJWW explored alternatives to filtration including regional water treatment and conveyance options. After submission of the draft FEIS, there was significant interest among the Planning Board and other project stakeholders in a County-lead regional water treatment and conveyance alternative. These options were further evaluated by WJWW, but ultimately, the regional water utilities pursued treatment options that did not provide any option for WJWW to obtain treated water. With regional water treatment and conveyance options no longer available, WJWW then investigated the viability of another alternative to filtration of Rye Lake water consisting of construction of a pipeline for conveyance of treated water directly from New York City's Shaft 20 in Greenburgh. In 2016, the alternative was rejected due to its exorbitant cost and the identified potential significant impacts.



During this time period, the U.S. Environmental Protection Agency (USEPA) adopted on January 4, 2006 a Stage 2 Disinfectants and Disinfection Byproducts (DBPs) Rule to provide increased public health protection against the potential risks associated with these compounds. DBPs are formed when natural organic matter in the raw water source interact with disinfectants such as chlorine. Stage 2 DBP byproduct chemicals include haloacetic acids and trihalomethanes. Because WJWW serves approximately 120,000 customers, compliance with these new provisions is mandatory. Starting October 1, 2012, WJWW was required to monitor the maximum contaminant levels (MCL) for total trihalomethanes (TTHM) and haloacetic acids (HAA5). The MCLs for TTHM and HAA5 are 0.080 milligram per liter (mg/L) and 0.060 mg/L, respectively, on a Locational Running Annual Average (LRAA) basis. The results submitted for the first, second, and third quarters of 2019 exceeded the MCL for HAA5.

On March 28, 2019, WJWW received a USEPA Administrative Order (AO) to submit a Corrective Action Plan (CAP) outlining provisions to be taken to achieve compliance with the MCLs. On November 26, 2019, the EPA issued a superseding Administrative Order (Index No. SDWA-02-2020-8001) which now, in addition to the Corrective Action Plan for the violation of the DBPs Rule, included an obligation to commence design of the proposed Rye Lake Filtration Plant and begin the SEQRA process by January 31, 2020, with the Filtration Plan to be operational by October 15, 2024.

By letter dated April 29, 2021, the U.S. Department of Justice (DOJ) notified WJWW that USEPA had referred “certain violations of the Safe Drinking Water Act” to the “U.S. Attorney’s Office for the Southern District of New York for litigation in the U.S. District Court for the Southern District of New York.” The letter stated that the “violations relate to the failure of Westchester Joint Water Works and its constituent municipalities, the Town of Harrison, the Town of Mamaroneck, and the Village of Mamaroneck ... to comply with the SDWA and an administrative order ... issued by EPA dated November 26, 2019. WJWW failed to comply with the ... MCL ... for ... HAA5 ... and, in particular, exceeded the MCL for HAA5 during the first, second, and third quarters of 2019. While WJWW has implemented interim measures to prevent HAA5 MCL exceedances in the short term, it is presently in violation of the SDWA and the AO, including the requirement that it construct a filtration plant at Rye Lake.” DOJ sent a similar notification letter dated May 26, 2021 directly to each of the member municipalities, the Town/Village of Harrison, the Town of Mamaroneck, and the Village of Mamaroneck.

### Proposed Action

For the protection of public health and safety and to comply with State Court injunction, the SDWA, and the USEPA Administrative Order, WJWW proposes to construct and operate a 30-MGD Dissolved Air Flotation/Filtration (DAFF) water filtration plant (filtration plant or plant) to serve the nearby Rye Lake (Kensico Reservoir) water source. The filtration plant would include enhanced coagulation to remove disinfection byproduct precursors to TTHM and HAA5, which would greatly increase WJWW’s ability to consistently comply with the MCLs for TTHM and HAA5 as required by the Stage 2 Disinfectants and Disinfection Byproducts Rule. It would also allow

WJWW to comply with the USEPA's Surface Water Treatment Rule and Long Term 2 Enhanced Surface Water Treatment Rule.

The filtration plant would have the capacity to meet the maximum day water supply demand of the entire WJWW water system, providing for system-wide quality and quantity reliability and resiliency. In addition to the filtration plant, the Project would include the construction of related improvements including a driveway for operational and emergency access, a parking lot and walkways, facilities to connect water and sewer utilities, and stormwater management features on a 13.4-acre Project site. The sewer line for the project would tie into a County trunk line on adjacent Westchester County Airport property pursuant to an easement that would be granted by the County. As proposed, the filtration plant will be designed to treat water pumped from the RLPS and to supply finished water to the Purchase Street Storage Tanks. The proposed location for the Project is on a portion of property currently owned by Westchester County, managed by the Westchester County Airport and accessed from Purchase Street (Map 1: Site Location).

Construction of the Project would require relocation of the existing Airport secondary fence line to delineate the site from the Westchester County Airport. The facility structure would have a footprint of less than one acre. Proposed impervious features, including a driveway, parking lot, walkways, the facility itself and ancillary facilities, would total approximately 2.4 acres of the 13.4-acre Project site.

The location of the Project is proposed on land now owned by the County. The Project requires WJWW to acquire title to 13.4 acres of the Westchester County Airport property from the County. The County has advised WJWW that the best course of action would be an arrangement which results in no net loss of Airport property to be achieved by a proposed equal land swap. The 13.4-acre parcel of land for the Project would be administratively apportioned from the County Airport property and deeded to WJWW. In exchange WJWW would deed its title to a nearby 13.4 acre parcel adjacent to County-owned land for merging with and incorporation into the Airport property (Map 2: Land Swap Properties).

Together, this work constitutes the Proposed Action.

### List of Permits & Approvals

A number of permits and approvals would be required in connection with the Project spanning local, state and federal agencies. WJWW would work with Westchester County on the legislative authorization and approval of the land swap and preparation of deed agreements, as well as a sewer easement to connect the Project to the County trunk line located on the Airport property. The Federal Aviation Administration would need to approve the modification of the airport footprint, and the Westchester County Department of Environmental Facilities would need to approve the required sewer connection. The Filtration Plant design would require approval of the NYS and County Departments of Health. A wetland permit from the US Army Corps of Engineers would also be required. In addition, WJWW will continue to coordinate with the Attorney General and NYS Commission of Health regarding compliance with the injunction

ordering filtration, and the Department of Justice and USEPA regarding compliance with the administrative order.

Table 1 shows the anticipated list of permits and approvals that may be required for the proposed action:

<b>TABLE 1: PERMITS &amp; APPROVALS</b>	
<b>Government Entity / Agency</b>	<b>Approval(s) Required</b>
USEPA	Compliance with Administrative Order SDWA-02-2020-8001
USEPA	Water Infrastructure Finance and Innovation Act (WIFIA) Program
United States Army Corp on Engineers (USACE)	Wetlands / Section 404 Clean Water Act
United States Fish and Wildlife Service (USFWS)	Section 7 Consultation
Federal Aviation Administration (FAA)	Notice of Proposed Construction or Alteration (FAA Form 7460-1)
NYSDEC	State Pollution Discharge Elimination System (SPDES) General Permit for Construction Activity
NYSDEC	SPDES Industrial Permit (NY-2C) for Process Emergency Overflow
NYSDEC	401 Water Quality Certification
NYSDEC	Freshwater Wetlands
Environmental Facilities Corporation / NYSDOH	Drinking Water State Revolving Fund Program
Environmental Facilities Corporation / NYSDOH	Water Infrastructure Improvement Act (WIIA) Grant Program
NYSDOH	Compliance with Judgment and Order of New York State Supreme Court Index No. 13364-99, Justice Louis A. Barone
NYSDOH	Approval of Treatment Process and Plant Design
New York State Office of Parks and Historic Preservation (NYSOPRHP)	State Historic Preservation Office (SHPO) Consultation
New York City Department of Environmental Protection (NYCDEP)	Stormwater Pollution Prevention Plan (SWPPP) review and approval
Westchester County Department of Health (WCDOH)	Approval of Completed Works
Westchester County Board of Legislators	Approvals for obtaining property rights and sewer easements
Westchester Department of Public Works	Building Approvals and Road Permits
Westchester County Department of Environmental Facilities	Approval to Connect to County Sewer System
Westchester County Planning Board	Administrative Review
Town of Mamaroneck Town Board	Approval of Funding for Project
Village of Mamaroneck Town Board	Approval of Funding for Project
Town/Village of Harrison, Town Board	Approval of Funding for Project
Town/Village of Harrison Planning Board	Freshwater Wetlands Permit
Town/Village of Harrison Planning Board	Site Plan Approval



TABLE 1: PERMITS & APPROVALS	
Government Entity / Agency	Approval(s) Required
Town/Village of Harrison Town Board	Special Exception Use Permit
Town/Village of Harrison Zoning Board of Appeals	Area Variance
Town/Village of Harrison Architectural Board of Review	Architecture Approval
Town/Village of Harrison Building Department	Building Permit
Town/Village of Harrison Building Department	Tree Removal Permit
Town/Village of Harrison Engineer	Land Disturbance Approval
Town/Village of Harrison Dept of Public Works	Street Opening Permit
Note: The approvals listed from the Town/Village of Harrison and its Planning Board are without prejudice to any contention that the proposed Filtration Plant is exempt from obtaining such approvals under <i>Village of Munsey Park v. Manhasset-Lakeville Water District</i> , 150 A.D.3d 969 (2d Dep't 2017), and similar cases.	

## B. SITE DESCRIPTION

The proposed site is 13.4 acres located on the east side of Purchase Street and west of the Westchester County Airport (Map 1: Site Location). Access to the site will be directly from Purchase Street.

The site of the proposed filtration plant is currently undeveloped and composed of trees and other vegetation. The grade of the site slopes from south to north at an approximate 2.5 percent slope. Tree surveys conducted in August, September and November of 2019 and December 2020 concluded that there are no tree species that warrant special consideration during the construction of the Project. In August 2014, a wetland delineation confirmed the presence of approximately 1.4 acres of wetland under both NYS DEC and USACE jurisdiction, through which runs an unnamed and unclassified stream. In August 2019, additional wetland delineations were conducted to confirm the presence of these wetlands. In August 2021, the wetland delineations were validated by NYSDEC. The NY Natural Heritage Program did not identify any threatened or endangered species or critical habitats within or adjacent to the project site.

Predominant soils found on site include Woodbridge loam (WdB), Udorthents, smoothed (Ub) and Paxton fine sandy loam (PnB). The majority of the site contains slopes of less than 10% and bedrock was not encountered during a preliminary geotechnical investigation up to 50 feet below ground surface. Several preliminary studies were performed in 2019 including a Phase I Archaeological Survey, Phase I Environmental Site Assessment (Phase I ESA) and a Preliminary Geotechnical report, discussed below.

The Phase I Archeological Survey identified a broad scatter of mid-nineteenth through twentieth-century material in low densities in two clustered areas within the project site, a stone fence along the west side of the project site, and a post-1940s poured concrete slab. Based upon the low artifact density, evidence of disturbance to deposits, the age of artifacts recovered, and lack

of any buried cultural features, it was recommended in the report that the recovered artifact assemblage does not represent a potentially significant archaeological resource. This recommendation was accepted by the NYS Office of Parks, Recreation and Historic Preservation. WJWW will submit again to the CRIS system to reflect the updated site plans which includes the sewer line easement.

The 2020 Phase I Environmental Site Assessment (ESA) consisted of performing a review of online and available existing documents, including record drawings and files from NYSDEC, Westchester County, Westchester County Airport, and the Town of Harrison, to obtain sufficient information that would assist in determining the environmental condition of the proposed project site. In addition, the Phase I ESA included a visual assessment of the current conditions at the proposed project site and adjoining areas. A site visit was conducted on November 20, 2019 to identify physical and programmatic constraints, observe field conditions, and develop a Phase I ESA report in general conformance with the requirements of ASTM Standard E 1527-13. The proposed project site was not identified on any of the environmental database listings that were searched. Two Recognized Environmental Conditions (REC), an Historic Recognized Environmental Condition (HREC), and two Business Environmental Risks (BER) were identified on or near the airport property, but further investigation did not detect or identify these conditions or risks within the boundaries of the proposed project site.

A preliminary subsurface exploration program was completed on November 22, 2019 and groundwater samples were collected on December 13, 2019 for the Preliminary Geotechnical Report. Two test pits and three test borings were performed at the project site to obtain preliminary environmental conditions and subsurface information about soil, rock, and groundwater conditions to determine requirements for foundation design, construction dewatering and excavation. Bedrock was not encountered at any of the sites, though groundwater was observed at one boring at approximately 30 feet below ground surface. Soil samples were tested for a number of compounds which were all detected below NYS DEC Environmental Remediation Program criteria for unrestricted use soil cleanup objectives; therefore there are no restrictions for the reuse of excavated subsoil and glacial till on or off site. Finally, groundwater was tested for volatile organic compounds (VOCs) and SVOCs as well as perfluorinated alkyl acid (PFAA) compounds, which are a sub-set of per- and polyfluoroalkyl substances (PFAS). None of these compounds were detected above laboratory detection limits; therefore no treatment for these compounds is warranted.

A Phase I reassessment was conducted in August 2021 and included information on additional groundwater testing conducted in July 2021. The reassessment agreed with the opinions, conclusions, and recommendations issued within the initial Phase I ESA, and no deficiencies or absence of information were found that would necessitate further inquiry. As a result, the reassessment concluded that the preparation of a new Phase I ESA is not necessary at this time. In addition, the three (3) groundwater samples that were collected to assess the groundwater quality at the site to determine if special consideration may be required for anticipated dewatering during future construction activities resulted in no detected volatile organic compounds, pesticides, or PCBs. However, several semi-volatile organic compounds and metals

were detected in separate groundwater samples that exceeded their respective NYSDEC TOGS 1.1.1 Water Quality Standards for class GA (fresh) groundwater. These results would not affect the water that would be treated by the proposed filtration plant because its water source would be obtained from Rye Lake and processed at the Project site in a closed loop system.

**Classification of Action: *Unlisted***

**Lead Agency:**

**Westchester Joint Water Works  
1625 Mamaroneck Ave  
Mamaroneck, NY 10543**

**Contact Person:**

**Paul Kutzy, P.E.**

**Manager**

**Westchester Joint Water Works**

**Telephone: 914-698-3500 x 612**

**Email: [pkutzy@wjww.com](mailto:pkutzy@wjww.com)**

## **C. FRAMEWORK FOR ENVIRONMENTAL REVIEW**

The State Environmental Quality Review Act (SEQRA), codified as Article 8 of the New York State Environmental Conservation Law, requires a Lead Agency to analyze the environmental impacts of proposed actions and, to the maximum extent practicable, avoid or mitigate potentially significant adverse impacts on the environment, consistent with social, economic, and other essential considerations. An Environmental Impact Statement (EIS) is a comprehensive document used to systematically consider environmental effects, evaluate a reasonable range of alternatives, and identify and propose mitigation, to the maximum extent practicable, of any significant adverse environmental impacts. The EIS provides a means for the lead and involved agencies to consider environmental factors and choose from among alternatives in their decision-making processes related to a proposed action.

An EIS will be prepared in accordance with SEQRA and its implementing regulations found at 6 N.Y.C.R.R. Part 617.

### ***Environmental Review Process***

The Westchester Joint Water Works is the lead agency and project sponsor for the State Environmental Quality Review of the Action. Westchester Joint Water Works has determined that the proposed project may potentially result in significant adverse environmental impacts and has directed that an EIS be prepared.

Scoping initiates the EIS preparation process and is intended to provide an early opportunity for the public and other agencies to participate. The purpose of the scoping process is to focus the EIS on “potentially significant adverse impacts and to eliminate consideration of those impacts that are irrelevant or not significant.” 6 N.Y.C.R.R. § 617.8(a).

## **E. DEIS FORMAT**

Unless otherwise directed by this Scope, the provisions of 6 N.Y.C.R.R. § 617.9 apply to the content of the DEIS and are incorporated herein by reference.

The DEIS shall cover all items in this scope and will discuss all relevant and material facts. The DEIS will seek to identify reasonable alternatives to the proposed Action and to evaluate such alternatives.

Information will be presented in a manner that can be readily understood by the public. Narrative discussions will be accompanied by appropriate tables, charts, graphs and figures. Each potential environmental impact area will be presented in a separate section, which will include a discussion of existing conditions, impacts associated with the Proposed Action and any mitigation measures designed to minimize or mitigate any identified impacts. Highly technical material will be summarized and, if it must be included in its entirety, it will be referenced in the statement and included in an appendix.

The DEIS will be made available in both hard copy and electronic formats. The DEIS will be posted on the internet for agency and public review as required by law and printed copies will be distributed to all involved agencies and any party requesting a copy (a charge to cover the cost of printing may be assessed to interested parties). WJWW developed a website dedicated to providing information on the Project, <https://wjwwfiltration.org/>, and all SEQRA documentation will be posted on the Project website, including the DEIS.

## **F. FORMAT AND SCOPE OF THE DEIS**

Cover Sheet: The DEIS must begin with a cover sheet that identifies the following:

1. Identification of the document as a Draft Environmental Impact Statement;
2. The name and location of the Proposed Action;
3. WJWW as the Lead Agency and Project Sponsor for the Project, and the name, address, telephone number of the contact person for WJWW, and the SEQRA status (Unlisted);
4. The name, address and email address of the primary preparers of the DEIS, and a contact person representing the preparer;
5. The date the DEIS was accepted by the Lead Agency as complete;
6. The date of the public hearing on the DEIS; and
7. The date before which public written comments on the DEIS are due.

List of Consultants Involved with the Project: The names, addresses and project responsibilities of all consultants involved with the project shall be listed.



Table of Contents: All headings that appear in the text should be presented in the Table of Contents along with the appropriate page numbers. In addition, the Table of Contents should include a list of figures, a list of tables, a list of appendix items, and a list of additional DEIS volumes, if any.

Chapter I Executive Summary: The major facts, analyses and conclusions contained in the main text will be summarized in the Executive Summary. No information shall be included in the Executive Summary that is not also contained in the main text.

Chapter 2 Project Description:

- A. Introduction
- B. Project Background, Need, Objectives and Benefits
  - a. Project Background. Provide brief description of the site and current application's history. Describe the proposed Project in the context of other buildings and uses on adjacent and nearby sites.
  - b. Public Need and Objectives. Discuss the goals of the proposed Project, including compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, and the Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and public health benefits and regulatory requirements. Describe the water quality issues that the Project is intended to address.
  - c. Benefits of the proposed Project. Provide discussion of the benefits to accrue from the proposed Project including public health benefits and compliance with EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
- C. Location and Site Conditions. Using appropriate mapping and/or tables, describe location of site, in terms of adjacent/nearby significant properties, districts, and services. Describe current site conditions and any constraining factors on redevelopment.
- D. Project Design and Layout
  - a. Overall Site Layout. At the level of detail required to undertake the requisite environmental impacts analysis, describe the proposed Project (including the proposed structure, square footages, layout, buffers/setbacks and salient features);
  - b. Locate and Describe Land Apportionment and Property Transfer Process. Explain the location of County and WJWW owned lands and describe the transfer of title process that would take place as an apportionment and transfer of title of the Project site by Westchester County to WJWW in exchange for transfer of title to equally-sized property owned by the Applicant to Westchester County. Available information about any anticipated future use of the land that would be deeded to the County will also be discussed.

- c. Clearing, Grading and Drainage. Describe the clearing and grading programs and associated areas cleared and disturbed, approximate volumes of soil excavated, cut/filled, removed from site, and the anticipated maximum depths of cut/fill. Describe site drainage and the proposed drainage system and provide capacity and function information, as necessary.
- d. Parking, Vehicle Access and Road System. Describe/discuss vehicle access point, internal roadway layout, traffic circulation, adequacy of on-site parking, conformance to design requirements.
- e. Water Supply and Sanitary System. Provide descriptions of water supply and proposed wastewater treatment systems and corresponding use of water supply and sanitary design flow; describe sizes and locations of these systems (including the general location of the proposed sewer and water lines, easements, and access points).
- f. Site Lighting, and Landscaping. Provide available information on the type, amount and location of lighting and landscaping proposed; provide available information on maintenance requirements, hours of illumination, and screening.
- E. Construction Schedule and Operations. Brief description of anticipated construction schedule and processes; discuss construction materials storage/staging areas and construction schedule/estimated duration; workers' parking, hours of construction operations, and overview of construction traffic routes.
- F. Permits and Approvals Required. Brief discussion of the required permits, reviews and approvals; and involved agencies.

### Chapter 3 Existing Conditions, Potential Impacts and Mitigation Measures:

#### A. Land Use, Zoning and Public Policy

##### 1. Land Use

##### a. Existing Conditions

- i. Mapping and a description of the Project site including description of any relevant easements or other rights of use by others. (Map 3: Land Use)
- ii. Using appropriate mapping and/or tables, identify and describe land uses and land use patterns within 1/2 mile of the Project site.

##### b. Potential Impacts

- i. Compare the proposed Project with existing land uses within 1/2 mile of the Project site.

##### c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for any identified significant adverse impacts.

## 2. Zoning

### a. Existing Conditions

- i. General description of the Special Business District (SB-O) zoning requirements including: use, lot and dimensional requirements; review and approval process; and applicable design or site plan standards.
- ii. Using appropriate mapping and/or tables, identify and describe all zoning districts within 1/2 mile of the Project site (Map 4: Zoning).

### b. Potential Impacts

- i. Discuss the compliance of the proposed Project with the SB-O and other relevant zoning regulations.
- ii. Discuss relationship of the proposed SB-O zoning to adjacent zoning districts.

### c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## 3. Policy Documents

### a. Existing Conditions

- i. Review and analyze the goals and recommendations of the following documents as they relate to the Proposed Action:
  - Village/Town of Harrison 2013 Comprehensive Plan
  - Westchester County 2017 Airport Master Plan

### b. Potential Impacts

- i. Compare the consistency of the Proposed Action with the relevant policy documents listed above.

### c. Mitigation Measures

- i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## B. Community Character and Visual Impacts

### 1. Existing Conditions

- a. Using appropriate mapping and photographs, describe the visual and community character of the Project site and area for observers along roadways and from the following public vantage points:
  - Along Purchase Street;
  - Between the Quaker Meeting House and the project site, along the stone wall (as depicted in Map 5: Visual Impact)
  - Intersections of Purchase Street and Lake Street; Purchase Street and Tower Road; and Purchase Street and Oak Valley Lane. (Map 5: Visual Impact)

- b. Visual resources within the vicinity of the Project site will be identified, and may include such landscape elements as water bodies, landmark structures and other cultural resources, parks, unique topographic or geologic features, and critical environmental areas, where applicable.

## 2. Potential Impacts

- a. Describe the proposed Project in relation to surrounding buildings and uses using NYSDEC Program Policy, Assessing and Mitigating Visual Impacts, DEP-00-2 as a guideline.
- b. Provide illustrative renderings and site sections of the proposed Project. Discuss at a level of detail appropriate for inclusion in the DEIS, the proposed materials and architectural design for the proposed structures on the Project site.
- c. Illustrate visibility of the proposed Project from Purchase Street, and between the Quaker Meeting House and the project site through common graphic design photographic simulations. Also include a sight line that distinguishes the existing visibility of the site compared to the visibility of the proposed Project from each direction depicted on Map 5.
- d. Discuss at a level of detail appropriate for inclusion in the DEIS the proposed exterior lighting program, including typical light fixtures maximum foot candles, and how this complies with any applicable Town lighting standards. Any impacts on the neighboring properties will also be discussed.
- e. Discuss any visual screening or other requirement by the Federal Aviation Administration associated with the proposed Project.

## 3. Mitigation Measures

- a. Mitigation measures for any identified significant adverse impacts may include additional screening and directional lighting.
- b. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## C. Fiscal and Economic Impacts

### 1. Existing Conditions

- a. Describe the existing tax revenues generated by the Project site.

### 2. Potential Impacts

- a. Analyze the fiscal impact (taxes generated versus costs incurred) to the Town/Village of Harrison, the Harrison Central School District, Town/Village of Harrison's special districts, and Westchester County as a result of the proposed Project.
- b. A summary and assessment of the impact of the proposed Project on the water rates for WJWW's customers.



- c. Discuss addition of WJWW employees as a result of the proposed Project.
- 3. Mitigation Measures
  - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

#### D. Community Services

- 1. Demographics
  - a. Existing Conditions
    - i. Describe current population of the Town of Harrison.
    - ii. Describe population being served by the Proposed Action.
  - b. Potential Impacts
    - i. Discuss any potential population changes as a result of the Proposed Action.
  - c. Mitigation Measures
    - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.
- 2. Police, Fire and Emergency Medical Services (EMS)
  - a. Existing Conditions
    - i. Identify the staff size and organization of the Police and Fire Departments and EMS.
    - ii. Identify the location of police, fire and EMS stations.
    - iii. Identify average response time to the area of the Project site for police, fire and EMS.
  - b. Potential Impacts
    - i. Evaluate increased demand for police, fire and EMS services.
    - ii. Identify concerns of the Police and Fire Departments and EMS (if any).
    - iii. Analyze the adequacy of access to the proposed Project.
    - iv. Assess whether the site plan would adequately provide emergency service access.
  - c. Mitigation Measures
    - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.
- 3. Solid Waste
  - a. Existing Conditions
    - i. Discuss existing solid waste generation, including recycling, from the Project site and current solid waste collection, including recycling, and disposal for the Project Site.

- b. Potential Impacts
  - i. Discuss anticipated Project generated solid waste and disposal at full build out.
  - ii. Discuss on-site storage location and containers, and removal process.
- c. Mitigation Measures
  - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## E. Utilities

### 1. Existing Conditions

- a. Discuss the current water supply system and the identified upgrades required for the WJWW drinking water supply system associated with the Proposed Action, including the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
- b. Identify location of existing public water and sewer mains and current capacity levels at the Project site. Pressure and flow of the existing water and sewer mains will be discussed and proposed connections and required improvements will be discussed.
- c. Identify current availability of existing electric, telephone, and cellular data.

### 2. Potential Impacts

- a. Discuss the impact on the population being serviced by the Proposed Action and its compliance with the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004.
- b. Discuss potential cumulative impacts associated with the additional on-site water demand as a result of the construction of the filtration plant in combination with other proposed or approved projects in the Town of Harrison. The preliminary design for the proposed on-site water system and expansion of water lines to serve the site shall be clearly explained with discussion of output and fire flow capacities.
- c. Estimate the potential sewage generation from the proposed Project. Identify the sewer district in which the site is located and the location where the sewage is treated and discharged. The new sanitary forced main to the Westchester County's airport collection system and any required upgrades needed for the Proposed Action will be discussed and any resulting environmental impacts will be assessed.
- d. Discuss any proposed upgrades or installation of electric, telephone, and cellular data.

### 3. Mitigation Measures

- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## F. Stormwater

### 1. Existing Conditions

- a. Identify and map existing drainage infrastructure on site and in the vicinity of the property.
- b. Discuss existing drainage patterns and hydrologic characteristics of the site. Identify and discuss ultimate points of existing stormwater discharge from the site.
- c. Prepare a pre-development hydrologic analysis to determine existing peak rates of runoff from the Project area during the statistical 1-, 10-, 25-, 100, and 500-year storm events. This analysis will be considered in determining stormwater management requirements.
- d. Discuss and map land coverage and hydrologic soil groups within the tributary watershed area.

### 2. Potential Impacts

- a. Discuss any changes to the quality or quantity of stormwater runoff due to the Project.
- b. Discuss the proposed drainage collection system.
- c. Prepare a post-development hydrologic analysis to determine the changes in the pre-development peak runoff rates for the 1-, 10-, 25-, 100, and 500-year storm events.
- d. Summarize the draft Storm Water Pollution Prevention Plan and discuss compliance with local stormwater management regulation (Town Code Chapter 130 Stormwater Management and Erosion and Sediment Control), NYSDEC general permits and NYC DEP Stormwater regulations.
- e. The access to, ownership of, and responsibility for maintenance requirements during construction and long-term maintenance of any stormwater management facilities shall be discussed.
- f. Discuss the capacity of the proposed storm sewer system and any connections to the existing storm sewer or adjacent watercourses.

### 3. Mitigation Measures

- a. A Stormwater Pollution Prevention Plan (SWPPP) will be required.
- b. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## G. Geology – Soils, and Topography

### 1. Existing Conditions

- a. A topographic survey based on a two-foot contour interval will be prepared. Existing topography will be mapped based on the following slope categories: 0-15%, 15-25%, and 25% and greater. A comparison of existing and proposed topography will be evaluated. The following will be described:
  - i. A preliminary cut and fill analysis, including an analysis of the disposal of excess cut or the import of fill materials, if fill is required, as well as identification of areas where cut will reach the water table and contingency plans to deal with discharge of groundwater to the surface.
- b. Describe regional and bedrock geology.
- c. Identify and list soil types on the site, with discussion of soil characteristics and suitability for construction. Include a soils map.

### 2. Potential Impacts

- a. Provide preliminary grading plan and limit of disturbance line.
- b. If excess earth materials will need to be removed from the site, estimate the number of tons and truck trips necessary to carry out the construction and identify the routes the trucks will take and describe the method of removal.
- c. Discuss the proposed Project's compliance with Chapter 199, Steep Slopes Protection, of the Town Code.

### 3. Mitigation Measures

- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## H. Vegetation and Wildlife

### 1. Existing Conditions

- a. Describe the vegetation, including trees, found on-site and the pattern of this vegetation; describe the habitat of the site and quality of each; describe observed and expected wildlife species; consult Breeding Bird Atlas for site and area species; conduct field inspections by staff biologist; contact NY Natural Heritage Program/ review NYSDEC Environmental Mapper database for site file information; identify any rare wildlife, vegetation, and/or habitats/ ecological communities.
- b. Incorporate any current ecological studies conducted on the Project site.

### 2. Potential Impacts

- a. Discuss changes in vegetation pattern and habitats on-site.
- b. Discuss tree clearing and impacts regarding changes to habitat on site and in the area; discuss impact on expected and identified wildlife species; discuss significance of any information obtained from NY Natural Heritage

Program, NYSDEC Environmental mapper, Breeding Bird Atlas, and site inspection by qualified professional.

- c. Discuss the proposed Project's compliance with Chapter 220, Trees, of the Town Code.
  - d. Discuss plantings to be included in the landscaping for the facility.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

#### I. Wetlands, Waterbodies, Watercourses, and Floodplains

- 1. Existing Conditions
  - a. Delineate and map existing streams, waterbodies, wetlands and wetland buffers under federal (U.S. Army Corps of Engineers), State, and Town jurisdictions, including as required by federal regulations.
- 2. Anticipated Impacts
  - a. Describe any impacts to the wetlands, waterbodies, watercourses, and floodplains.
  - b. Discuss the proposed Project's compliance with Chapter 146, Flood Damage Prevention, and 149 Freshwater Wetlands, of the Town Code.
  - c. Discuss compliance with U.S. Army Corps of Engineers protocol to avoid and minimize impacts and identify any applicable permits that may be required.
- 3. Proposed Mitigation
  - a. A Stormwater Pollution Prevention Plan (SWPPP) will be required.
  - b. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

#### J. Archeological and Historical Resources

- 1. Existing Conditions
  - a. A description of current correspondence with New York State Office of Parks, Recreation and Historic Preservation (NYOPRHP) as part of the SEQRA consultation process will be provided including a summary of Phase 1 Archeology Report.
- 2. Potential Impacts
  - a. Identify potential impacts to archeological or historical resources, if any, based on the results of the project notification paperwork in accordance with NYOPRHP.
- 3. Mitigation Measures
  - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## K. Traffic and Transportation

### 1. Existing Conditions

- a. A site visit will be performed to observe the existing roadway network and adjacent land use. An inventory of roadway and regulatory conditions will be provided of the roadway network within ½ mile of the site. Information collected will include:
  - i. Traffic control devices;
  - ii. Pavement width and condition;
  - iii. Number of travel lanes and lane designation;
  - iv. Sidewalks, curb ramps and bus stops
  - v. On-street parking restrictions and posted speed limits;
  - vi. Transit facilities and services;
  - vii. Accident data
- b. Discuss existing on-site parking conditions.
- c. Traffic Data Collection. Existing traffic conditions will be documented for the weekday AM and PM peak hours from historical data and by conducting turning movement manual counts from 7:45 a.m. to 10:15 a.m. and 4:00 p.m. to 6:15 p.m. at the following intersections:
  - Purchase Street at Lake Street;
  - Purchase Street at Tower Road

### 2. Potential Impacts

- a. “No Build” Traffic Volumes/Capacity Analysis – to include background traffic growth and other proposed projects in the area, to the extent known and taking into account any information received from the Town of Harrison Building Department and Planning Board. “No Build” and “Build” traffic volume analyses will be estimated for the year 2027 (estimated year of operation).
- b. “Build” Traffic Volumes/Capacity Analysis – Using the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 10<sup>th</sup> Edition anticipated trip generation will be modeled for the Proposed Action including construction and operations. Arrival and departure distributions will be developed based upon a review of existing traffic volumes on the roadway network and data provided by WJWW. The pre- and post-construction traffic volumes will be added to the No-Build traffic volumes to get the “Construction Traffic Volumes” and the “Build” traffic volumes. The Site Generated Traffic Volumes will be assigned to the roadway network based on the anticipated arrival and departure distributions. The Site Generated Traffic Volumes will be combined with the No Build Traffic Volumes to obtain the Build Traffic Volumes for each of the peak hours. A Synchro network model will be developed to model the intersections and assess the differences in traffic operation between build and no-build conditions.



- i. Impacts will be analyzed for traffic capacity by comparing accident rates to the statewide average. In addition, an increase in traffic volume above 5% of the existing condition might indicate that mitigation is warranted.
  - ii. Changes in levels of service (LOS) will be analyzed and compared to acceptable industry standards. Where the existing LOS is A or B, a change in two LOS might warrant mitigation. Where existing LOS is C, D or E, an increase in turning delay beyond 10 seconds might warrant mitigation.
- c. Describe on-site traffic access and circulation, including stopping sight distances and truck turning analyses at the site driveway and intersections identified to assess whether fire apparatus, construction and delivery vehicles will be able to access, circulate and leave the site.
  - i. Impacts for access and circulation will be analyzed based on whether or not turning radii or sight distance meet the minimum criteria using ITE industry standards.
- d. Describe potential impacts to character of surrounding streets and provide a qualitative analysis on the proposed truck route and its safety.
- e. Provide a parking analysis for proposed uses on site.
- f. Discuss any temporary or permanent measures that may be required or become necessary.
- 3. Mitigation Measures
  - a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## L. Noise

- 1. Existing Conditions
  - a. Provide a quantitative description of the existing noise environment at the Project site, accounting for both mobile and immobile noises through monitoring. Existing, ambient noise levels will be measured along the property's boundaries during weekday peak traffic times. Special attention will be paid to sound/noise levels that occur as a result of substantial contributors to the existing, ambient condition. Sound source additions to the property will then be calculated at property boundaries per Chapter 177, Noise, of the Harrison Town Code.
- 2. Potential Impacts
  - a. Provide a quantitative analysis of potential operational noise impacts from the Project. The propagation of the sound to the property boundary and closest residential property toward the west as a result of the Project will also be calculated. This section will consider noise impacts both on the Project area and/or residents, receptors from other surrounding land uses as well as from the project itself using available data from the

- manufacturer and the applicant. Short term construction impacts will also be qualitatively described.
  - b. During operations, truck traffic is not anticipated to enter the site more than twice per week, producing minimal noise concerns, therefore noise related to operational traffic will be qualitatively discussed.
  - c. Provide discussion of the construction related impacts of noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
  - d. Provide discussion of post construction noise and the Project's adherence to the Chapter 177, Noise, of the Harrison Town Code.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

#### M. Air

1. Existing Conditions
- a. Summarize existing ambient air quality conditions in the region and the Project Site based on the National Ambient Air Quality Standards promulgated under the federal Clean Air Act.
2. Potential Impacts
- a. Provide a qualitative analysis of the potential air impacts, including odors, resulting from site preparation, and post-construction activities.
3. Mitigation Measures
- a. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

#### N. Public Health

1. Drinking Water
- a. Existing Conditions
    - i. Summarize the current drinking water requirements and the current water quality.
  - b. Potential Impacts
    - i. Discuss the impacts of implementing the Proposed Action on drinking water.
  - c. Mitigation Measures
    - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.
2. Hazardous Waste
- a. Existing Conditions
    - i. Summarize the findings of the Phase I Environmental Site Assessment of the site and the Preliminary Geotechnical Report.
  - b. Potential Impacts

- i. If any environmental contaminants are discovered on site, describe methods for abatement that would occur prior to commencement of or during construction activities.
  - ii. Discuss chemicals and any hazardous materials that may be required for plant operations and methods of storage and disposal.
- c. Mitigation Measures
  - i. Discuss and evaluate mitigation measures for all identified significant adverse impacts.

## O. Construction

### 1. Potential Impacts

- a. Describe the construction schedule and construction phasing plan.
- b. Qualitatively assess potential construction-related impacts to air.
- c. Qualitatively assess potential construction-related impacts to noise and traffic.
- d. Discuss impacts on adjacent land uses associated with proposed construction activities, including access to the site for construction vehicles, effects of construction traffic on adjacent roadways, effects of construction noise on adjacent receptors, construction staging and management of fill export and import.
- e. Provide proposed techniques for rock removal, should it become necessary during construction. Describe potential impacts to adjacent properties that could result from rock removal. Any required pre-blast surveys, photo/video demonstration, and seismic monitoring should be discussed.

### 2. Mitigation Measures

- a. To minimize dust, the construction contractor would be required to develop and comply with a dust mitigation plan as part of the construction contract.
- b. The DEIS will discuss and evaluate mitigation measures for all identified significant adverse impacts.

## Chapter 4 Other Environmental Impacts

Based on the discussion in Chapter 3, any of the following areas of impact will be summarized and considered cumulatively.

- 1. Unavoidable Adverse Environmental Impacts.
- 2. Irreversible and Irretrievable Commitment of Resources.
- 3. Growth-Inducing, Secondary and Cumulative Impacts. A cumulative analysis of the proposed action and the proposed UV Treatment Facility that will be located at 900 Lake Street in Harrison New York will be discussed. Growth-inducing aspects of the proposed action include its direct and indirect effects that promote

additional development in the area. The nature of such anticipated growth as related to the Proposed Action will be described, and the impacts of that growth will be assessed. The cumulative impacts of the Proposed Action will be analyzed in consideration of the policies and development activities in adjoining communities.

4. Energy Use and Conservation. Provide a brief discussion on those aspects of the proposed project which would contribute to an increase in energy as well as potential options for conservation; discuss impacts from greenhouse gas emissions. A mitigation measure under consideration is the use of photovoltaic panels to reduce the net energy consumption from the plant's operation.
5. Measures to Avoid or Reduce Impacts on Climate Change. Provide a brief discussion on the filtration plant's operational carbon footprint and any associated impacts due to the effects of climate change such as sea level rise and flooding. Provide a qualitative analysis of the carbon impact of the construction of the Project and tree removal and replacement.

## Chapter 5 Alternatives

Summarize prior alternatives investigated to achieve regulatory compliance.

1. Alternative 1: No Action (Discuss the scenario where the status of existing land use remains unchanged.)
2. Alternative 2: Alternative Site Plan (Discuss locating the plant on the WJWW property that is outside the Kensico Reservoir Basin and is part of the land swap in the proposed action as shown in Map 2).
3. Alternative 3: Alternative filtration technology (Discuss the potential of meeting the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action).
4. Alternative 4: Alternative façade treatments for the filtration plant will be discussed.
5. Alternative 5: The use of Tower Road as an alternative entrance to the proposed site will be discussed.
6. Alternative 6: Alternative Site Plan Tower Road (Discuss locating the plant along the north side of Tower Road.)
7. Alternative 7: Alternative Site Plan at Rye Lake Pump Station (Discuss locating the plant at the current Rye Lake Pump Station Site).
8. Alternative 8: Alternative Site Plan Harrison SBL 0097.-1 (Discuss locating the plant on property near the intersection of Purchase Street and New King Street, currently owned by New York City).
9. Alternative 9: Shaft 20 Alternative (Discuss the construction of a pipeline connecting to the New York City Shaft 20 in Greenburgh)

## Chapter 6 References

Provide listing of the various documents and information sources utilized in the preparation of the Draft EIS.





### Map 1 : Site Location

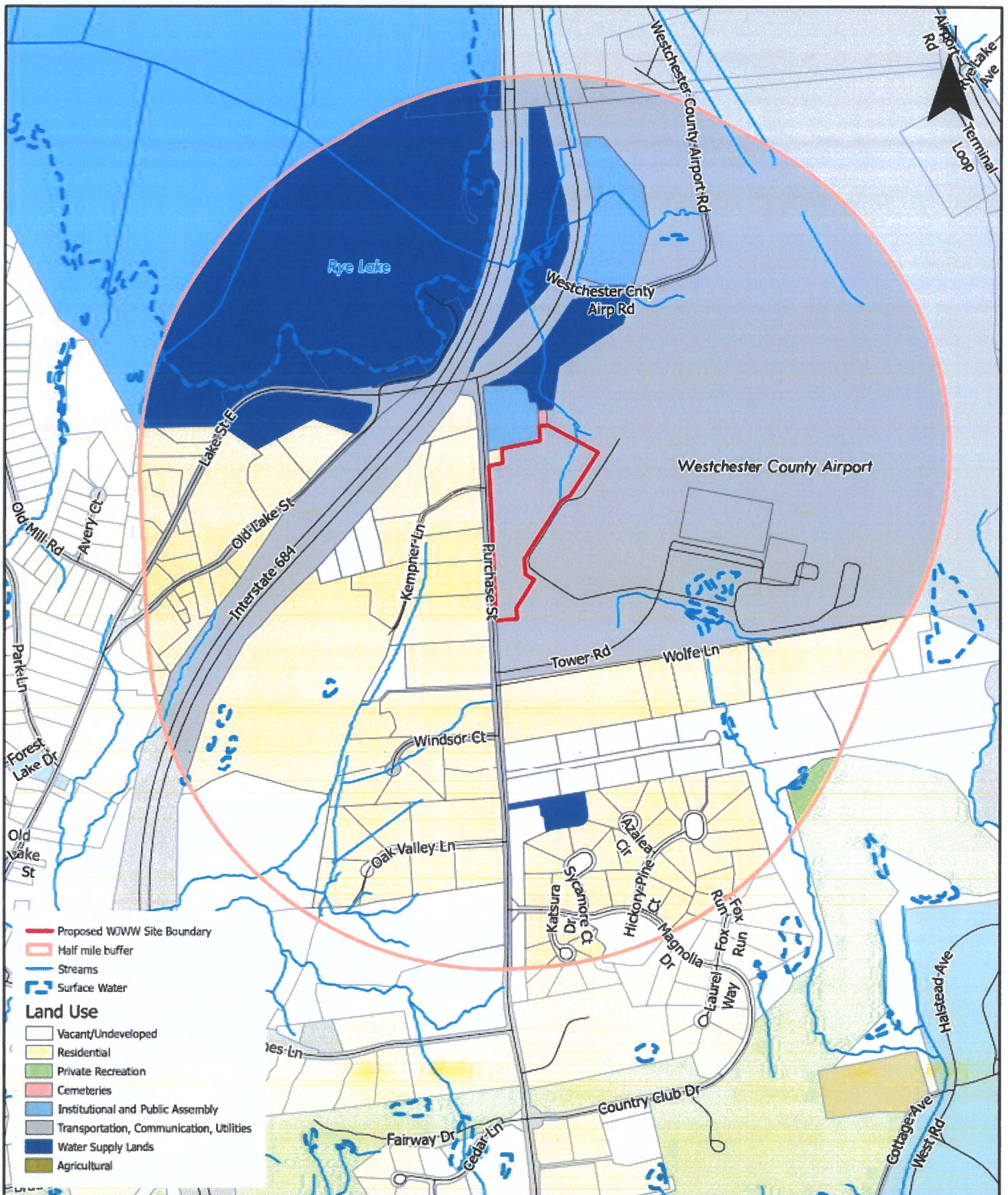
Sources: Westchester County GIS 2020;  
Scale: 1 inch equals 400 feet

Westchester Joint  
Water Works  
Water Filtration Plant









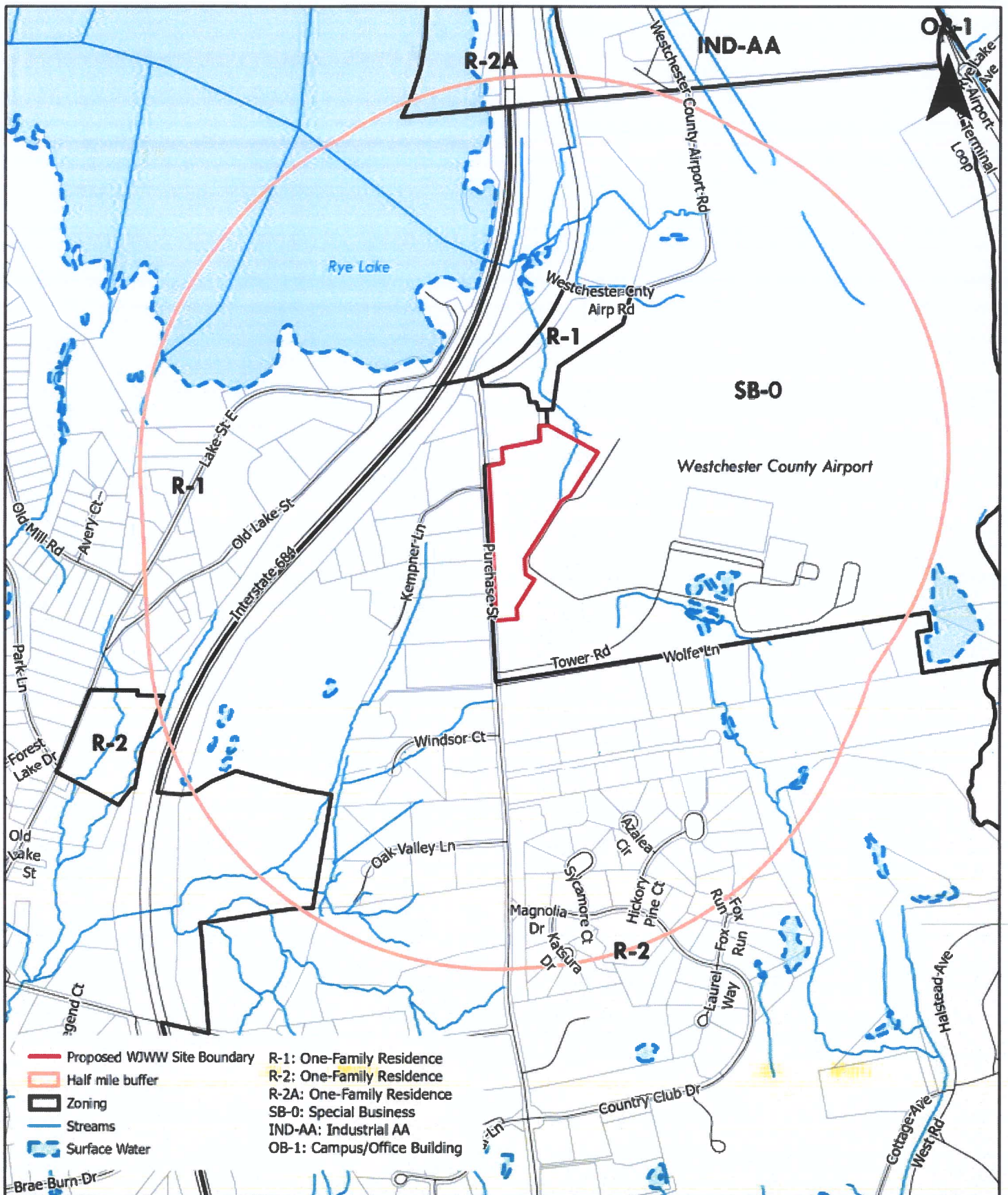
**NPV**

### Map 3: Land Use

Sources: Westchester County GIS 2020;  
Scale: 1 inch equals 1,000 feet

Westchester Joint  
Water Works  
Water Filtration Plant



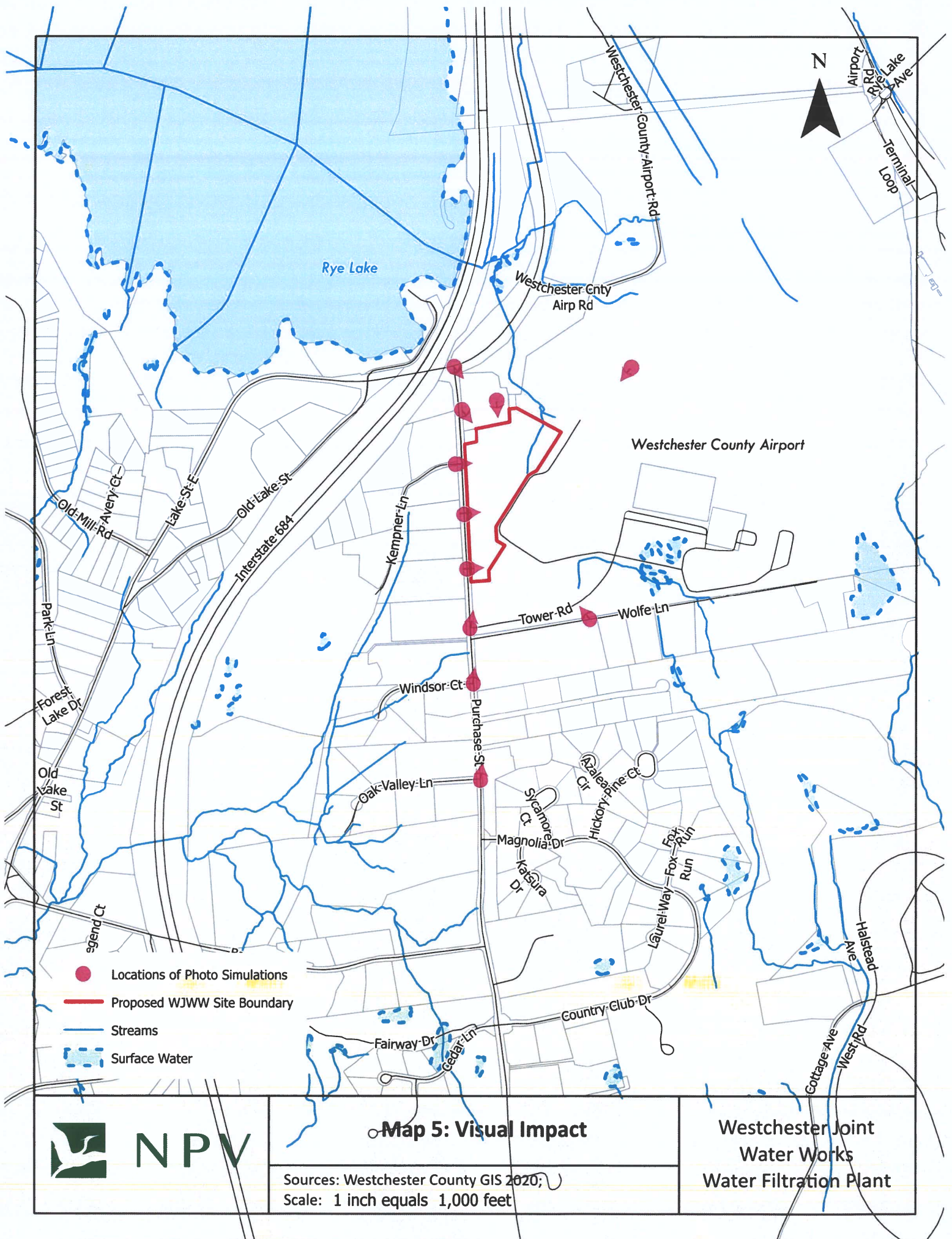


## Map 4: Zoning

Sources: Westchester County GIS 2020;  
Scale: 1 inch equals 1,000 feet

Westchester Joint  
Water Works  
Water Filtration Plant





**Map 5: Visual Impact**

Sources: Westchester County GIS 2020;  
Scale: 1 inch equals 1,000 feet

Westchester Joint  
Water Works  
Water Filtration Plant

**Water Filtration Plant  
Town of Harrison, New York  
Response to Comments on the Draft Scope For  
the Draft Environmental Impact Statement (DEIS)**

**Westchester Joint Water Works**

<b>Draft Scope Filing Date:</b>	<b>March 23, 2021</b>
<b>Scoping Hearing Date:</b>	<b>April 13, 2021</b>
<b>Last Date to Submit Comments:</b>	<b>May 10, 2021</b>

**Classification of Action:**      **Unlisted**

**Lead Agency:**                      **Westchester Joint Water Works  
1625 Mamaroneck Ave  
Mamaroneck, NY 10543**



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## 1. INDEX OF COMMENTS

Date	Comment Source	Commentor	Document Number
4/13/21	Transcript of Public Scoping Session	Eric L. Gordon, Keane and Beane P.C.	1
4/16/2021	Letter	Cynthia Garcia,, Supervisor, New York City Department of Environmental Protection	2
4/22/21	Letter	Philip Bein, Watershed Inspector General; Charles Silver, Ph.D., Watershed Inspector General Scientist; Claiborne Walthall, Assistant Attorney General; Environmental Protection Bureau, Office of the New York Attorney General	3
4/23/21	Letter	Darius P. Chafizadeh, Harris Beach, PLLC.,	4
4/23/21	Email	Peter Close, Trustee, on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees	5
4/23/21	Letter	Eric L. Gordon, Keane and Beane P.C.	6
4/23/2021	Letter	Frank Gordon, Rachel Berkey, Adam Weiner, Candidates for Harrison Town Board	7
5/7/21	Letter	Eric L. Gordon, Keane and Beane P.C.	8
5/10/21	Email	Peter Close, Trustee, on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees	9
5/10/21	Letter	Anne Gold, Executive Director, Purchase Environmental Protective Association	10

## **2. COMMENTS AND RESPONSES**

This document summarizes and responds to the substantive comments on the Draft Scope that were received during the public scoping session on April 13, 2021, or during the period for submission of written comments, which ended on May 10, 2021.

### **2.1. PROJECT DESCRIPTION**

#### **Comment 2.1-1**

The description of the Proposed Action requires additional information (6 NYCRR § 617.8(e)(II)).

The description of the Proposed Action provided within the DEIS Draft Scope is insufficient because it is too general and vague. The description of the Proposed Action should identify why the alternative solutions considered to address the deficiencies in water treatment raised in the June 9, 2004, Judgment and Order and USEPA Administrative Order are not feasible. At the very least, these alternatives should be considered as alternatives in the Final Scoping Document and studied in the DEIS. In addition, a complete cost analysis of the other proposed alternatives available that the WJWW determined needs to be included in the Final Scoping Document and studied in the DEIS to ascertain whether the construction of a pipeline for conveyance of treated water directly from New York City's Shaft 20 in Yonkers was appropriate or practicable.

(Document # 6, pgs. 2 - 3, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

#### **Response 2.1-1**

The Draft Scope's description of the proposed filtration plant was adequate to allow public comment on the environmental analysis proposed for the DEIS. The commenter does not explain why the description of the proposed filtration plant was vague.

The Draft Scope identified several alternatives to be studied in the DEIS. In response to public comment, five Alternatives (numbered 5-9 in the Final Scope) have been added to the scope for the DEIS, including the construction of a pipeline from New York City DEP Shaft 20 in Greenburgh, NY (Alternative 9 in the Scope). It should be noted that the Draft Scope contained an error in referring to a Shaft 20 in Yonkers; Shaft 20 is located in the Town of Greenburgh (see Figure 1). This error has been corrected in the Final Scope.

The Alternatives section will include a discussion of approximate capital and operational costs to the Lead Agency where that data is available and pertinent to analyze an alternative.



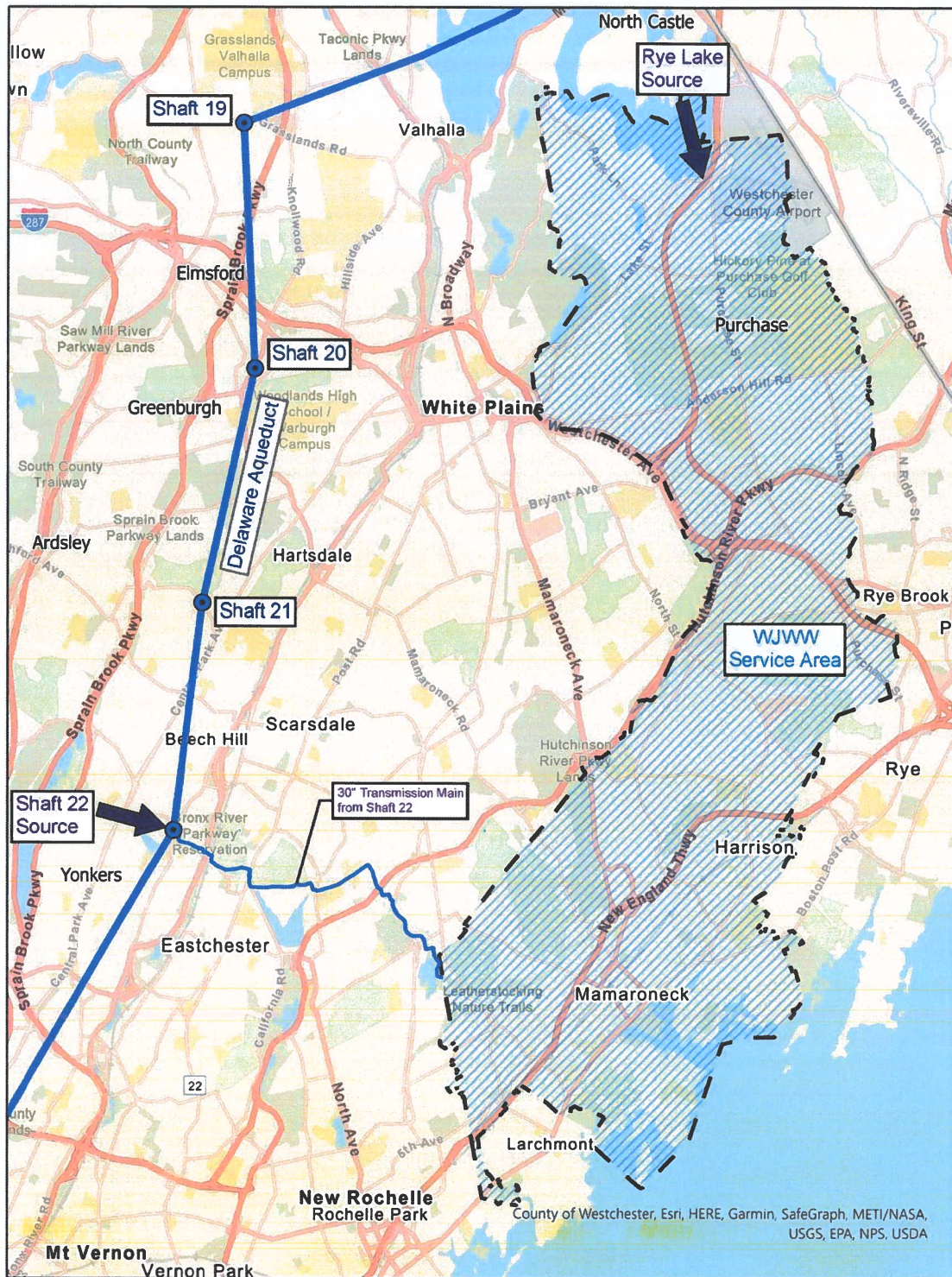


Figure 1: Map depicting Shaft 20, Town of Greenburgh, and Shaft 22, City of Yonkers. Source: WJWW, 2019

## **2.2. LAND USE, ZONING, AND POLICY**

### **Comment 2.2-1**

The DEIS should demonstrate that any new impervious surfaces proposed as part of the action, such as internal roads and parking areas, are the minimum necessary to meet local zoning requirements. Where feasible, it should be clear that the applicant has attempted to reduce impervious surfaces to levels below zoning requirements through variances, if necessary. Minimal access road widths, reduced building footprints, multi-level parking structures, banking of parking spaces, and the use of porous alternatives to asphalt paving are among the alternatives to consider.

(Document # 2, Cynthia Garcia, Supervisor, New York City Department of Environmental Protection, 4/16/2021)

### **Response 2.2-1**

Based upon the Scope, Chapter 3.A.2, Land Use, Zoning and Public Policy of the DEIS will discuss the compliance of the Proposed Action with the Zoning chapter in the Town of Harrison Town Code and, therefore, the requirements for building coverage will be discussed. The potential for stormwater impacts, and any proposed mitigations are to be discussed in Chapter 3.F, Stormwater, of the DEIS, which will include a discussion of impervious surfaces and whether the design minimizes impervious surfaces.

### **Comment 2.2-2**

An analysis of the Proposed Action as it relates to the Town of Harrison's Comprehensive Plan - does the Proposed Action comply with the Comprehensive Plan?

(Document # 6, Pg. 5, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

### **Response 2.2-2**

The consistency of the Proposed Action with the Village/Town of Harrison 2013 Comprehensive Plan will be discussed in Chapter 3.A.3, Land Use, Zoning and Public Policy of the DEIS.

### **Comment 2.2-3**

According to the New York State Town Law (§272-a [11]) once a Comprehensive Plan is adopted by the local legislative body, all of the local government's land use regulations must be in accordance with it. Therefore, addressing conformance with the Town/ Village of Harrison Comprehensive Plan should be specifically included in the final scoping document. The 2013 Town/Village of Harrison Comprehensive Plan calls for preserving the existing low-density,



open, and rural character of Purchase and specifically recommends against new curb cuts on Purchase Street. The Plan also expressly promotes the following goals:

- Retain mature trees, stone walls, and other natural and built features which contribute to the character of the area.
- The old stone walls of Purchase comprise part of its character and need protection. In the main these are traditional dry-stack stone walls, built without the use of mortar. Some new developments have built mortared stone walls as their front property boundary, but the more traditional dry stack is preferable, as this method is historically correct for Purchase.
- The Town Code should be amended to include old stone walls as items that need to be shown on all site plans and subdivision plats, with the applicant being required to preserve these walls or to rebuild them where they are damaged.

The applicant should be required to reduce tree removal to the greatest extent possible and identify impacts to the historic stone wall along Purchase Street. Furthermore, it is clear from the Comprehensive Plan that the Town desires to continue low-density development in Purchase in order to maintain the low-density character of the area. The addition of a 30-MGD Dissolved Air Flotation/Filtration (DAFF) water filtration plant on 13.4 acres<sup>1</sup> that would stand at the very entry way to Purchase is in sharp conflict with this goal.

(Document # 10, pg. 1-2, Anne Gold, Executive Director, Purchase Environmental Protective Association, 5/10/2021)

### **Response 2.2-3**

The consistency of the Proposed Action with the Village/Town of Harrison 2013 Comprehensive Plan will be discussed in Chapter 3.A.3, Land Use, Zoning and Public Policy of the DEIS.

## **2.3. COMMUNITY CHARACTER AND VISUAL IMPACT**

### **Comment 2.3-1**

For a large part of the year, the filtration plant will be visible from our property and graveyard and possibly from our Meeting House. We ask that you add one camera in addition to the ones that you show on Map 5: Visual Impact and place it on the stone wall that separates our property from your proposed building site so you can take this perspective into account as you work further on your plans.

(Document # 5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

### **Response 2.3-1**

The Scope now includes the point referenced above on Map 5: Visual Impact. The potential for visual impacts from that location will be discussed in Chapter 3.B.1 of the DEIS.

### **Comment 2.3-2**

The proposed building appears to be many times the size and volume of our meeting house and other houses in our neighborhood. We are surprised that you would plan to put a facility of this size so close to our Meeting House and other homes on Purchase Street. We ask that you do all that you can to mitigate the impact of the size of your filtration plant on the enjoyment of our property and that of our neighbors on Purchase Street.

We look forward to working with you as you develop further details of your plant's design and location. We hope you will be open to our suggestions for blending the appearance of the plant in with the residential nature of our neighborhood and otherwise lessening its impact.

Approximately 25 years ago, we worked very closely with the County Airport on mitigating the impact of tree-cutting on their land that surrounds our graveyard and Meeting House property and we would hope to work as closely with you as well!

(Document # 5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

### **Response 2.3-2**

The Scope outlines that Chapter 3.B.1 of the DEIS will include illustrative renderings of the proposed project and describe the project in relation to surrounding buildings and uses using NYSDEC Program Policy, Assessing and Mitigating Visual Impacts, DEP-00-2 (posted on NYSDEC web site) as a guideline. Visual screening will also be discussed in the DEIS.

Chapter 3.A, Land Use, Zoning and Public Policy of the DEIS will discuss project consistency with the Town/Village of Harrison zoning and surrounding land uses.

### **Comment 2.3-3**

Visual impacts to residents along Kempner Lane and Tower Road.

(Document # 6, Pg. 3, Eric L. Gordon, Principal Member, Keane and Beane P.C., 4/23/2021)

### **Response 2.3-3**

Map 5: Visual Impact shows the intersections to be evaluated as part of the DEIS. Kempner Lane and Tower Road are both included on the map in the Scope.

### **Comment 2.3-4**

Potential impacts associated with removal and modification to the existing vegetation and landscaping along Purchase Street, Tower Road and Kempner Lane.

(Document #6, Pg. 4, Eric L. Gordon, Principal Member, Keane & Beane P.C., 4/23/2021)

### **Response 2.3-4**

The existing and proposed landscape conditions will be described through text and visual renderings as part of Chapter 3.B, Community Character and Visual Impacts of the DEIS as outlined in the Scope. This will include proposed areas of clearing and new landscape plantings.

### **Comment 2.3-5**

Obviously community character and visual impacts we appreciate that, but especially the views from all the Kempner Lane properties or from the Purchase Street properties up and down, I know there was a -- I know you said that you were going to be looking at it, but there should be a visual analysis for each of those properties of what this plant could look like and as compared to the potential of the plant being you know, placed down Tower Road and how that's gonna look and I believe it is gonna be much less impactful than this present one.

So those are the -- you know, with respect to impacts on properties. Again, the alternatives on building designs are of primary importance. I was glad to see there is an alternative for you know, facade and how that could sort of could be blend in more as a residential property, obviously considerations of decreasing the height of the building if there is any way to further decrease the height of the building so it is further hidden should be analyzed. And then you know again, the mitigation of the impacts to the properties on Kempner Lane and Purchase Street.

(Document #1, pg. 38 -39, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

### **Response 2.3-5**

The existing and proposed landscape conditions will be described through text and visual renderings as part of Chapter 3.B, Community Character and Visual Impacts of the DEIS and outlined in the scope. This will include proposed areas of clearing and new landscape plantings. The height of the building conforms with zoning which will be discussed in Chapter 3.A Land

Use, Zoning and Public Policy. A reduction of building height beyond that proposed is not being considered in this DEIS. Constructing the building deeper underground has been reviewed from an engineering perspective, which identified significant issues, including reduced safety for operations personnel, environmental impacts due to the removal of additional excavation material, additional structural materials needed, and the need for additional groundwater pumping, treatment and discharge. Accordingly, constructing the building deeper underground will not be studied in the DEIS as an alternative or mitigation measure.

#### **Comment 2.3-6**

We request that you add two locations to your analysis: One directly in front of the Meeting and one behind the Meeting House

(Document # 9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.3-6**

The referenced points have been added to Map 5: Visual Impact and are included in the Scope to be discussed in the DEIS as shown on Map 5.

#### **Comment 2.3-7**

Provide the actual dimensions of the plant including height, width and depth as well as total volume; Provide the dimensions including total volume of the parts of the plant that will be built below ground level. Future Expansion of the Filtration Plant and Placement of Other WJWW Facilities on the 13.4 acre site: The proposed land swap with the Westchester County Airport will have the WJWW plant directly abutting two sides Purchase Meeting's graveyard; Further development of the 13.4 acre site will be detrimental to our enjoyment of our property; Provide adjoining property owners including Purchase Meeting covenants against further expansion or additional construction of WJWW facilities on this site.

(Document # 9, pg. 4, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.3-7**

The dimensions of the plant will be discussed in Chapter 3.A of the DEIS, Land Use, Zoning and Public Policy, as well as in Chapter 2, Project Description. Site plans will be provided as part of the DEIS, including scaled drawings and dimensions of the project.

The proposed land swap will be discussed in the the DEIS as outlined in the Scope. No further expansion or additional construction of WJWW facilities at the proposed site of the filtration plant have been proposed or are anticipated; accordingly, the DEIS will not assess the



environmental impacts of such hypothetical additional facilities. In the future, however, if additional facilities were to be proposed, any such proposal would be subject to SEQRA and all applicable land use approval requirements.

#### **Comment 2.3-8**

So, with those alternatives I am just gonna go through some of the other items that you have in the proposed scope. So, as far as future -- you know as far as impacts on land uses again, we - you know we understand you are gonna be discussing the impacts on all land uses, we just you know, given the substantial nature of the screening in the area where this plant is to be located, you know we do think that their focus should be on the residential areas across from the camp, not on the fact that there is a -- an airport property. Again, the location provides screening from a lot of those residential properties from the airport and you are eliminating a lot of that screening.

So in considering the existing conditions and those, you know, the impacts you're gonna have we would ask that you consider the residential properties as the priority here.

(Document #1, pg. 36 -37, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

#### **Response 2.3-8**

Map 5: Visual Impact, in the Scope depicts the location and direction of visual renderings to be prepared as part of the DEIS. The analysis will demonstrate the degree to which the project may be visible from public vantage points. The majority of these points are located along Purchase Street from the direction of residential properties into the project site.

## **2.4. FISCAL AND ECONOMIC IMPACTS**

#### **Comment 2.4-1**

Chapter 3, section C, subsection (2), paragraph (b) of the Draft Scope requires that the DEIS contain "A summary and assessment of the impact to [sic] the proposed Project on the water rates for WJWW's customers."

This requirement would presumably be satisfied in the DEIS by projecting the future annual costs of the filtration plant project (including debt service), allocating them to WJWW's existing customer base on top of existing water rates, and dividing by existing water rates to arrive at a percentage increase each year. This is likely the basis for the statement "Water rates will tick up to about 7% annually for the next five years, according to the WJWW" in the Journal News article of April 12, 2021, the subject of which was the filtration plant project.



By itself, this disclosure would present a misleading and inaccurate picture of what is expected to happen to water rates. WJWW has other capital projects planned during the period that will also affect water rates. In addition, WJWW will undoubtedly increase water rates over the applicable period to cover increases in operating costs unrelated to the filtration plant project.

As with the analysis of other potential impacts, the DEIS should address the potential cumulative financial impact on water rates of the construction of the filtration plant in combination with WJWW's other proposed or approved projects, plus estimated increases to cover WJWW's rising operating costs. We understand that the latter are often difficult to estimate as they depend, in part, on rate increases determined by New York City water authorities. Nevertheless, it is important to arrive at an estimate of the increased cost to residents.

(Document # 7, pgs. 1 – 3, Frank Gordon, Rachel Berkey, Adam Weiner, Candidates for Harrison Town Board, 4/23/2021)

#### **Response 2.4-1**

Section 3.C, Fiscal and Economic Impacts, of the DEIS will provide a summary and assessment of the impact of the proposed project on the water rates for WJWW's customers as outlined in the Scope.

#### **Comment 2.4-2**

Cost analysis of alternatives and the financial impacts to residents benefitted by the Project.

(Document # 6, Pg. 5, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

#### **Response 2.4-2**

Section 3.C, Fiscal and Economic Impacts, of the DEIS will provide a summary and assessment of the proposed project's impact on the water rates for WJWW's customers as outlined in the Scope. The cost of operations and maintenance to the Lead Agency for Chapter 5, Alternatives, will be discussed where it is required to assess an alternative.

#### **Comment 2.4-3**

As far as the fiscal condition, fiscal and economic you know, there is a brief you know, description of a potential 7 percent impact over five years -- 7 percent increase. I really think there needs to be a full forensic analysis of the potential cost increases of a hundred million plus potentially more plants, you know, a real deep dive into the cost of the plant and the potential increases of rates, what the borrowing is gonna be and how this is gonna impact all of the property owners who are serviced by Westchester Joint Water Works. I think this is a incredibly important part of this that the public needs to be made aware of, and a full study

done, not a summary and assessment but a real forensic analysis of what the cost are gonna be and how this is gonna impact the rates of all the Westchester Joint Water Works customers and over how long a time. So that's very important and I think it needs to be analyzed more. (Document #1, pg. 33 -35, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

### **Response 2.4-3**

Section 3.C of the DEIS will provide a fiscal impact analysis and a summary and assessment of the proposed project's impact on the water rates for WJWW's customers as outlined in the Scope. The analysis described in the scope is sufficient.

## **2.5. TRAFFIC AND TRANSPORTATION**

### **Comment 2.5-1**

Traffic impacts associated with the location of the access to the Project and residents entering and exiting from Kempner Lane.

(Document # 6, Pg. 4, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

### **Response 2.5-1**

The DEIS will collect data from the intersections at Purchase Street and Lake Street, and Purchase Street and Tower Road. Kempner Lane is a dead-end road that must be accessed via one of the intersections that will be studied.

### **Comment 2.5-2**

With respect to parking vehicle access and road systems, again, you seem to have the access coming directly off of Purchase Street. There was an alternative at one point where Tower Road was the entrance and then there was gonna be another road that led into the current site, you know. Again, to the extent that the alternative -- the Tower Road -- the site near Tower Road you know, is deemed not feasible which we gain think should be studied and then analyzed, we would ask that the existing Tower Road site be the entrance or be considered as the entrance and not there be the alternative road access to the plant rather than an entrance off Purchase Street that would sort of be an opening to all of -- you know a lot of those residences and directly across from the Kempner Lane access, which is problematic especially given the amount of traffic -- the traffic and the employees and everybody coming in and out of this area, which again, is basically undeveloped right now even though the airport is set the further back.

(Document #1, pg. 37-38, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

### **Response 2.5-2**

The use of Tower Road as an entrance has been added as Alternative 5 in the Scope and will be discussed in the DEIS.

### **Comment 2.5-3**

And I had mentioned with respect to traffic, access from Tower Road, studying you know why the traffic -- I'm sorry the access from Purchase Street as compared to Tower Road comparing those two requirements and why Tower Road can't be used if this site is the site that is selected.

(Document #1, pg. 43, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

### **Response 2.5-3**

The DEIS will collect and analyze data from the intersections at Purchase Street and Lake Street, and Purchase Street and Tower Road. The use of Tower Road as an entrance has been added as Alternative 5 in the Scope and will be discussed in the DEIS.

### **Comment 2.5-4**

In addition to condition already outlined please add the size of the trucks and their maximum weight. Please also add weekends to the Traffic Data Collection and any other hours in addition to those stipulated (AM and PM peaks) that the facility will be in operation and could potentially have any traffic.

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/21)

### **Response 2.5-4**

Chapter 3.K.2.c of the DEIS will discuss on-site traffic access and circulation, including stopping sight distances and truck turning analyses at the site driveway and intersections, as outlined in the Scope. This will include the anticipated size of the trucks and hours/days of operation.

## **2.6. NOISE**

### **Comment 2.6-1**

We have a caretaker for our property who is required to live in an apartment that is the closest part of our Meeting House to your proposed plant. In addition to noise disturbance, we are also

concerned about any odors that your filtration plant might produce and hope you will address this issue further.

(Document #5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

#### **Response 2.6-1**

Potential impacts due to odors have been added to the Scope and will be discussed in the DEIS in Chapter 3.M, Air.

#### **Comment 2.6-2**

The current plan shows the entrance to your facility will come off Purchase Street. We are concerned about the additional noise that will be caused by trucks pulling out into traffic and braking to get ready to turn into your entrance. We would ask that truck traffic using this entrance be restricted to weekdays. We also believe that adding this additional roadway cut onto Purchase Street will add an unnecessary traffic hazard as cars enter and exit onto Purchase Street. We think that the conceptual design that you presented a year ago last fall where you planned to use existing access to Tower Road as your facility entrance is a far safer and quieter choice. We suggest that you should consider studying this further.

(Document #5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

#### **Response 2.6-2**

The potential for traffic impacts (including the potential for traffic safety impacts) will be analyzed in Chapter 3.K of the DEIS. The potential for noise impacts as a result of traffic will be discussed in Chapter 3.L of the DEIS as outlined in the Scope. Use of Tower Road for the facility's driveway has been added as an alternative in Chapter 5 of the DEIS.

#### **Comment 2.6-3**

As Quakers, our manner of worship involves waiting in silence and speaking out of the silence as we feel led. We are very concerned about the noise that the operation of such a large filtration plant might generate during our periods of worship. We hope you will further address any noise pollution that will be generated by the plant and how you propose to mitigate it.

(Document #5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)



### **Response 2.6-3**

Noise is addressed in Chapter 3.L of the DEIS. As outlined in the Scope, it is anticipated that operational truck traffic would occur no more than twice per week, and the DEIS will discuss the potential for noise impacts as a result of the proposed project. Construction-related noise will also be assessed as part of this section.

### **Comment 2.6-4**

The proposed project is located within the Westchester county airport 60 Ldn noise contour critical environmental area. The town of Harrison noise ordinance also needs to be considered in examining potential adverse environmental impacts. The town noise ordinance limits power tool noise to 70 dBA Lmax, air compressors are limited to 76 dBA, and chainsaws are limited to 85 dBA (measured at the property line). As a result, determining existing noise levels is very important to accurately determine whether or not the Proposed Action will result in any adverse noise impacts and the final scoping document should study potential noise impacts both during construction and when built, including impacts on the friend meeting house.

(Document #6, Pg. 5, Eric L. Gordon, Principal Member, Keane and Beane P.C., 4/23/2021)

### **Response 2.6-4**

Construction noise and operational noise and the project's adherence to Chapter 177, Noise, of the Town of Harrison Town Code will be discussed in the DEIS Chapter 3.L as outlined in the Scope.

### **Comment 2.6-5**

Please provide exact locations of monitoring sites and include one on each side of the Quaker Meeting House. Please also include weekends, particularly Sunday morning to the study. Please also include noise impact during each phase of construction.

(Document #5, pg. 3, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

### **Response 2.6-5**

As outlined in the Scope, noise will be calculated at the property boundaries of the project site. This includes any boundaries shared with the meeting house. The potential for noise impacts will be analyzed for operations and construction. The Town of Harrison does not allow construction on Sundays, and this requirement would be followed during construction of the project.



## **2.7. AIR**

### **Comment 2.7-1**

#### **Our Resident Caretaker, Noise and Odors:**

We have a caretaker for our property who is required to live in an apartment that is the closest part of our Meeting House to your proposed plant. In addition to noise disturbance, we are also concerned about any odors that your filtration plant might produce and hope you will address this issue further.

(Document # 5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

### **Response 2.7-1**

The Scope has been revised to include the potential impacts of odor. Chapter 3.M of the DEIS will include a qualitative assessment of odor.

### **Comment 2.7-2**

Westchester County is a nonattainment area for ozone and fine particulate matter (PM<sub>2.5</sub>), and a maintenance area for carbon monoxide. The air quality existing conditions section of the scope should require attainment/nonattainment status and provide the most recent available design values for criteria pollutants at representative monitor. Monitor concentrations of criteria pollutants should be compared to the National Ambient Air Quality Standards (NAAQS).

(Document #6, Pg. 5, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

### **Response 2.7-2**

Westchester County is not designated as a nonattainment for fine particulates (PM<sub>2.5</sub>), but it is designated as a nonattainment for ozone, a regional pollutant. See <https://www3.epa.gov/airquality/greenbook/ancl.html>. Chapter 3.M, Air, of the Scope has been revised to refer to the US Clean Air Act National Ambient Air Quality Standards. The DEIS will discuss air quality conditions for the region and the project site.

### **Comment 2.7-3**

We request that in addition to the qualitative analysis of the potential air impacts resulting from site preparation, and post-construction activities dust meters be installed at the site.

(Document #9, pg. 3, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

### **Response 2.7-3**

Chapter 3.O, Construction, will discuss construction impacts on air, including dust. A dust mitigation plan will be prepared as part of the construction contract. The operation of the filtration plant would not generate any significant dust; accordingly, post-construction dust meters are not necessary.

## **2.8. LIGHT**

### **Comment 2-8.1**

Glare and other light pollution impacts to residents along Purchase Street, Kempner Lane and Tower Road.

(Document #6, Pg. 4, Eric L. Gordon, Principal Member, Keane and Beane P.C., 4/23/2021)

### **Response 2-8.1**

Site lighting will be discussed in Chapter 2.D of the DEIS, Project Design and Layout, and Chapter 3.B, Community Character and Visual Impacts. Potential impacts related to site lighting will be discussed for locations along Purchase Street, Kempner Lane, and Tower Road as outlined in the Scope.

### **Comment 2-8.2**

Obviously lighting and landscaping. We know you are going to take it into account, but again, given the proximity to residential properties, we want to make sure that is studied and analyzed and the impacts to those properties should be analyzed.

(Document #1, pg. 38, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

### **Response 2-8.2**

Site lighting will be discussed in Chapter 2.D of the DEIS, Project Design and Layout, and Chapter 3.B, Community Character and Visual Impacts. Potential impacts related to site lighting will be discussed for locations along Purchase Street, Kempner Lane, and Tower Road as outlined in the Scope.

## **2.9. OTHER ENVIRONMENTAL IMPACTS**

### **Comment 2-9.1**

The 2018 amendments to the SEQR regulations also require all agencies to evaluate Greenhouse Gas ("GHG") impacts in a separate section of the EIS specifically dedicated to climate change and its impacts. The analysis may help the WJWW identify reasonable energy

conservation measures and recommendations in its SEQRA findings to minimize GHG emissions from the Proposed Action.

(Document #6, Pg. 5, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

#### **Response 2.9-1**

Energy use, energy efficiency and conservation measures will be discussed in Chapter 4 of the DEIS as outlined in the scope.

#### **Comment 2.9-2**

We request that you include an analysis of the change in the carbon footprint at this location, assuming standard analysis techniques, allowing for the negative carbon footprint of trees, particularly mature trees. Please discuss in detail and mitigation measure that might be taken to reduce the carbon footprint of this structure. We request an analysis of the carbon impact of tree removal.

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.9-2**

The operational carbon footprint of the filtration plant and any carbon offset strategies employed by the Proposed Action will be discussed in Chapter 4 of the DEIS as outlined in the scope. In addition, a qualitative analysis of the carbon impact of the tree removal and replacement and construction will also be undertaken in Chapter 4. A quantitative description of tree removal and replacement will be discussed in Chapter 3.H, Vegetation and Wildlife.

## **2.10. GEOLOGY- SOILS AND TOPOGRAPHY**

#### **Comment 2.10-1**

The DEIS must include a list of Natural Resource Conservation Service (NRCS) soil types, a description of soil characteristics, and an analysis of the limitations of each soil type with respect to stormwater management and erodibility during construction.

In addition to the information included in the Draft Scope, the DEIS should clearly quantify the extent of disturbance with respect to the sites slopes (e.g. 0-10%, 10-15%, and >15%) and present a detailed discussion of erosion and sediment control practices that will be utilized both during and after construction. Long term potential impacts associated with post-development runoff characteristics due to changes in land cover and topography should also be identified and included in the discussion.

(Document #2, pg. 2, Cynthia Garcia, Supervisor, SEQRA Coordination Section, 4/16/2021)

#### **Response 2.10-1**

Chapter 3.G of the DEIS will discuss the following:

- soils and topography, including any impacts to slopes;
- a list of soil types found on site;
- a preliminary cut and fill analysis;
- compliance with Chapter 199, Steep Slopes Protection of the Town Code;
- the preliminary grading plan; and
- limits of disturbance as outlined in the scope.

Chapter 3.F of the DEIS will discuss the potential for stormwater impacts, including erosion and sediment control measures.

#### **Comment 2.10-2**

We request that any on site storage of earth materials be clearly describes and potential impacts be determined.

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.10-2**

Chapter 3.G of the DEIS will discuss soils and topography, including a cut and fill analysis and how excess earth materials will be removed from site, as outlined in the Scope. The chapter will also discuss compliance with local stormwater management regulation Town Code Chapter 130 Stormwater Management and Erosion and Sediment Control. Chapter 3.O, Construction, will discuss construction staging and management of fill export and import.

### **2.11. STORMWATER**

#### **Comment 2.11-1**

We write to recommend that the stormwater management section of the Project's DEIS include the most recent and accurate climate data in stormwater planning, and fully address potential significant adverse impacts to water quality in Rye Lake/Kensico Reservoir.

(Document #3, Pg. 1, Philip Bein, Watershed Inspector General; Charles Silver, Ph.D., Watershed Inspector General Scientist; Claiborne Walthall, Assistant Attorney General; Environmental Protection Bureau, Office of the New York Attorney General, 4/22/2021)



### **Response 2.11-1**

The stormwater management section of the DEIS will include the most recent and accurate climate data in stormwater planning and assess potential significant adverse impacts to water quality in Rye Lake/Kensico Reservoir, in compliance with all federal, State, and local rules and regulations. Refer to Response 2.11-2 for additional detail.

### **Comment 2.11-2**

According to Stormwater Section F1.c. on page 16 of the Final Corrected Notice of Scoping for the Preparation of a Draft Environmental Impact Statement (DEIS), March 2021, the DEIS will calculate and describe pre-development peak run-off rates for the 1-, 10-, 25- and 100-year storm events. Essential to calculating the pre- and post-development peak run-off rates for the 1-, 10-, 25- and 100-year storm events is the underlying climate data, as extreme precipitation events can result in stormwater pollution and localized and widespread flooding with damage to property, degradation of water quality, and possible loss of life. Accounting for these events is critical to effective engineering design and regulations. In January 2011, the Northeast Regional Climate Center (NRCC) website [www.precip.net](http://www.precip.net) was created to provide access to and produce tables of current meteorological data. The DEIS needs to pair the current updated rainfall values with updated distribution curves to generate accurate rainfall runoff relationships. This can be accomplished by importing the updated NRCC rainfall value table into a HydroCAD (or other applicable hydrologic model) program, to create updated rainfall distribution curves. A step-by- step description of this process is presented on page B.6 in Appendix B of the November 2016 New York Standards and Specifications for Erosion and Sediment Control "Blue Book". Once these new rainfall distributions have been incorporated into the HydroCAD or another applicable model, the program should be run. The results from this program should more accurately predict stormwater runoff performance based on current climate data.

(Document #3, Philip Bein, Watershed Inspector General; Charles Silver, Ph.D., Watershed Inspector General Scientist; Claiborne Walthall, Assistant Attorney General; Environmental Protection Bureau, Office of the New York Attorney General, 4/22/2021)

### **Response 2.11-2**

The DEIS will describe pre- and post-development peak runoff rates for the 1-, 10-, 25-, 100, and 500-year storm events based on current climate data. These peak runoff rates will be calculated using HydroCAD, a hydrologic model program, applying the updated NRCC extreme precipitation values and distribution curves. The NRCC rainfall value table was imported into HydroCAD using the process described in the November 2016 New York Standards and Specifications for Erosion and Sediment Control "Blue Book".

### **Comment 2.11-3**

The draft Stormwater Pollution Prevention Plan (SWPPP) should be of sufficient detail to allow for a full evaluation of potential adverse water quality impacts and the adequacy of measures designed to avoid or mitigate those impacts. The SWPPP should include a detailed description of proposed stormwater management facilities, delineation of pre- and post-development drainage boundaries, a comparison of pre- and post-development stormwater runoff quantity and quality, delineation of soil types found in the project area, soil tests results, and a detailed construction sequence keyed to specific erosion and sediment control practices.

The DEIS must address the project's conformance with the permitting requirements noted in Section 18-37 and 18-39 of the Rules and Regulations for the Protection from Contamination, Degradation, and Pollution of the New York City Water Supply and its Sources (Watershed Regulations), namely, DEP's wastewater collection system and SWPPP approvals.

With regard to the SWPPP, in accordance with the Watershed Regulations, note that any plan that results in impervious surfaces covering twenty percent (20%) or more of the drainage area for which a stormwater management practice is designed, the SWPPP shall provide for stormwater runoff from that drainage area to be treated by two different types of stormwater management practices in series, except that only one practice is required if the practice provided is infiltration.

In addition, as the action is located in the drainage basin of a terminal reservoir, the SWPPP shall include an analysis of coliform runoff.

DEP must also witness soil testing for all proposed stormwater management practices. Therefore, the applicant's representative must contact Mariyam Zachariah at (914) 749 5357 to schedule soil testing.

(Document #2, pg. 1 – 2, Cynthia Garcia, Supervisor, New York City Department of Environmental Protection, 4/16/2021)

### **Response 2.11-3**

The draft SWPPP will be sufficiently detailed to allow for the evaluation of potential adverse water quality impacts and, if needed, the adequacy of proposed mitigation. The proposed stormwater management approach will align with permitting requirements noted in Section 18-37 and 18-39 of the Rules and Regulations for the Protection from Contamination, Degradation and Pollution of the New York City Water Supply and Its Sources (Watershed Regulations). In addition, as the proposed project would result in impervious surfaces covering more than 20% of the drainage area for which a stormwater management practice is designed, the proposed stormwater management plan will provide for stormwater runoff to be treated by two different

types of stormwater management practices in series in accordance with the Watershed Regulations.

No fecal coliform issues are anticipated for this site. The building would be connected to the airport sewer system, and no septic or leach fields will be constructed as part of this project. The stormwater management practices will be selected for their pollutant removal capabilities, including nutrients, metals, and pathogens (coliform, E.coli, and streptococci).

DEP has been invited to witness soil testing for all proposed stormwater management practices.

#### **Comment 2.11-4**

The following potentially significant adverse environmental impacts must be identified in the Final Scoping Document and addressed in the DEIS:

- a) Construction of additional impervious surface may cause additional stormwater runoff which will negatively impact habitat land including wetlands.
- b) The impacts additional stormwater runoff will have on the residential properties along Purchase Street, Tower Road and Kempner Lane.

(Document #6, pg. 1 – 2, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

#### **Response 2.11-4**

Chapter 3.F of the DEIS will discuss stormwater management requirements and analyze pre- and post-development peak runoff rates from the site. The existing points of stormwater discharge and proposed on-site collection will be discussed, as well as any changes to the quality or quantity of stormwater runoff due to the project, as outlined in the scope.

#### **Comment 2.11-5**

Given the effect Climate Change and the proximity to our graveyard, we request that all analyses include the peak rates of runoff during a 500-year storm ...

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.11-5**

An analysis on the 500-year storm will be conducted and any potential adverse impacts will be discussed in Chapter 3.F of the DEIS.

#### **Comment 2.11-6**

With respect to storm water, we would like to see storm water impacts on you know, the Purchase Street properties directly across the street and the Kempner Lane properties as well and any analysis of this project.

(Document #1, pg. 41, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

#### **Response 2.11-6**

Chapter 3.F of the DEIS will discuss stormwater management requirements and analyze pre- and post-development peak runoff rates from the site. The existing points of stormwater discharge and proposed on-site collection will be discussed, as outlined in the scope. Stormwater impacts associated with the project will include a discussion of impacts relating to Purchase Street, Kempner Lane, and Tower Road.

### **2.12. ARCHAEOLOGICAL AND HISTORICAL RESOURCES**

#### **Comment 2.12-1**

Our Quaker Meeting is commenting on your project because our Meeting House property abuts the site of your proposed WJWW water filtration plant with our Meeting House (place of worship) only a few yards from the property line. It appears that your plant may be within 200 feet of our meeting house.

We want to share that Purchase Friends Meeting has had its place of worship and graveyard located at 4455 Purchase Street, Purchase, NY for almost 300 hundred years.

Our Quaker Meeting has continuously conducted worship services on our property since 1727 with only a brief interruption when our meeting house was used as a hospital for soldiers injured in the Revolutionary War.

In addition to our Quaker Meeting House, our historic graveyard contains the remains of our many of our Quaker predecessors, their slaves and other citizens of Harrison as well as soldiers who died during the Revolutionary War.

(Document #5, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 4/23/2021)

#### **Response 2.12-1**

Comment noted.



## **Comment 2.12-2**

The following potentially significant adverse environmental impacts must be identified in the Final Scoping Document and addressed in the DEIS:

Excavation impacts on potential archeologic and historic resources. Quakers had established Purchase as community as early as 1719 and the Friend's Meeting House was erected in 1727. While Quakers are known for being part of the abolition movement some owned slaves. Enslaved people were commonly used as laborers for farming activities until 1767 when the Quakers prohibited slave ownership, paid reparations, and donated/allocated 6.5 acres for living space near what is today Buckout Road. In 1796, freed slaves founded the Stony Hill community and cemetery there. However, there is an approximately 70 year period unaccounted for where former slaves may have been buried prior to 1796. A concern has been raised regarding whether these remains are located in unmarked graves adjacent to the existing cemetery.

Given the site proposed for the water filtration plant is contingent upon and wraps around the existing historical cemetery and other property owned by the Purchase Quakers the entire area should be examined for the presence of unmarked graves. A preliminary Phase I Archeological and Historical Survey was conducted to a depth of about 15 inches in limited areas. The minimal review provided in the Phase I archeological study fails to acknowledge the location of the site adjacent to the Purchase Quakers and cemetery which was established in 1727. As a result, a Phase II archeological review and more extensive excavation to a depth of at least five (5') feet is warranted to ensure that there are no historic or archeological resources that may be impacted by the Proposed Action.

(Document #6, pg. 3 - 4, Eric L. Gordon, Principal Member, Keane Beane P.C., 4/23/2021)

## **Response 2.12-2**

The Purchase Quaker property borders the northern property line of the project site. The filtration plant will be located approximately 300 feet from the Quaker's property line, and the limit of disturbance is approximately 100 feet from the property line. The Lead Agency has conducted a Phase 1 Archeological investigation on the project site and received letters of no effect from the NYS Historic Preservation Office indicating that further study on the site is not necessary. Additional shovel testing involved in a Phase II would create ground disturbances that are not necessary. This information will be presented in the DEIS.

### Comment 2.12-3

Given the historic nature of the Quaker Meeting house and the adjacent cemetery, we request that a Phase II Archeological Survey be performed.

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### Historic and Archaeological Resources

The natural, cultural, historical, and architectural significance of the area require a Phase II Archeological study for the following reasons:

- Purchase Street, referred to as Middle Street in a 1771 public-property record, was assigned NYS 120 as part of the 1930 renumbering of state highways in New York. Its beginnings can be traced back approximately 10,000 years as a Siwanoy Indian path connecting the Long Island Sound that provided clams, lobsters, striped bass, flounder, and bluefish to a source of fresh water at Rye Lake. At present, this tree lined, two-lane road contains a myriad historic resources that are worthy of documentation and deserving of celebration and preservation;
- An indigenous footpath, for centuries likely not much wider than five feet across, would become adapted by incoming European settlers and known as Purchase Street. The old stone walls that are still standing along much of Purchase Street provide evidence of the labor involved in clearing the land built by our European ancestors;
- According to a pamphlet titled "Purchase Monthly Meeting of the Religious Order of Friends" the Quakers were the first settlers in Purchase, as early as 1719. In 1727, the Quakers built their first Meeting House at the most northern end of Purchase Street, on the site just below Rye Lake, where the Friends of Purchase still meet today;
- While Purchase Quakers are known for being part of the abolition movement some owned slaves until 1767 when the Friends prohibited slave ownership, paid reparations, and donated/allocated 6.5 acres as living space for former slaves near what is today Buckout Road. In 1796, freed slaves founded the Stony Hill community and cemetery in this location. That leaves an approximately 70 year period of time unaccounted for . Questions remain with respect to where African Americans were buried for prior to 1796? Do they lie in unmarked graves adjacent to the existing cemetery on Purchase Street?;
- In 1778, the Meeting House acted as a makeshift hospital for colonial troops injured in the Battle of White Plains. Buried in the cemetery near the meeting house is Cornelius Oakley, who although a Quaker, served as George Washington's scout, along with the remains of patriot fighters as well as British soldiers;
- In the early 1800's the Purchase Quakers established an elementary school for both its member's and the children of other Purchase residents just south of the Meeting House, which today is a private home for the caretaker. The school preceded both a 1795 NYS Assembly bill entitled "An act for the Encouragement of Schools," and the mandatory education laws for primary schools inaugurated in 1825; and

- In the 1850's and at least ten years before the outbreak of the Civil War, they had already organized an illegal underground railroad to help former slaves escape. They provided cover and assistance for these runaway slaves on their way to Canada.

The State Environmental Quality Review Act ("SEQRA"), requires the scoping document to identify "the extent and quality of information needed for the preparer to adequately address each impact, including an identification of relevant existing information, and required new information, including the required methodology(ies) for obtaining new information;" (6 N.Y.C.R.R. § 617.8(f)). Given the historical, cultural, and archeological significance of this area the final scoping document should require a survey of on-site historical resources by a qualified architectural historian to determine if any are valuable historic resources eligible for listing on the National Register of Historic Places. In addition, a Phase II archaeological survey should be prepared to determine the sensitivity of the site with respect to archaeological resources and whether further detailed studies may be required. These studies should be coordinated with the New York State Office of Parks, Recreation and Historic Preservation.

(Document #11, pg. 2-4, Anne Gold, Executive Director, Purchase Environmental Protective Association, 5/10/2021)

### **Response 2.12-3**

The Lead Agency conducted a Phase 1 Archeological investigation prepared by a team of cultural resource specialists and received letters of no effect from the NYS Historic Preservation Office indicating that further study on the site is not necessary. Additional shovel testing involved in a Phase II would create ground disturbances that are not necessary. All studies and correspondence from the NYS Historic Preservation Office will be provided in an Appendix in the DEIS.

### **Comment 2.12-4**

With respect to archeological and historical resources. As the prior speaker said, the Friends of -- the Friends of, I believe it is the Quaker meeting house, has been there for a substantially long time. There was a mention of a burial ground for civil war soldiers.

In reviewing the phase one archeological that was done, it appears that the -- there was only excavations of four inches and we would ask that if there is any -- you know, that the draft scope include at least a phase two archeological that does substantially more examination of the areas that are gonna be impacted and potential impacts on you know, potentially very valuable archeological sites.

You know, I understand New York State Department of Parks has issued an opinion, but I think given the location of this site, it is very important to do the phase two and do further studies that have a -- take a deeper dive into the archeological and historical resources in this area and

whether that's -- you know, the location so close to this meeting house -- the Friends meeting house should disqualify this site.

So that's -- we would ask that is part of the scope that would include phase two of the archeological analysis with you know larger excavations

(Document #1, pg. 42-43, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

#### **Response 2.12-4**

The Lead Agency has conducted a Phase 1 Archeological investigation on the project site and received letters of no effect from the NYS Historic Preservation Office indicating that further study on the site is not necessary. Additional shovel testing involved in a Phase II would create ground disturbances that are not necessary.

### **2.13. PUBLIC HEALTH**

#### **Comment 2.13-1**

Ensuring water quality in the Kensico Reservoir is of the utmost concern because it is a terminal reservoir -- the last stop before the water is distributed to consumers. Kensico Reservoir water is unfiltered and receives limited treatment (e.g., chlorination and UV disinfection) before it reaches the taps of consumers. The Project site lies well under the "sixty-day travel time" of the Kensico Reservoir, which is generally viewed as the lifespan for many disease-causing microbes in fresh water, such as *Giardia lamblia* and *Cryptosporidium*. This shortened travel time limits the opportunities for pollutants to settle out, become assimilated by plants and animals, or otherwise become attenuated.

Development close to the Kensico Reservoir is expected to increase discharges of polluted stormwater. According to EPA, land development "can result in both short- and long- term adverse impacts to water quality in lakes, rivers and streams within the affected watershed by increasing the load of various pollutants in receiving water bodies, including sediments, metals, organic compounds, pathogens, and nutrients."<sup>2</sup> Turbidity facilitates the transportation of pollutants, including metals, organic compounds, and pathogens. It can also shelter pathogens that pose risks to public health from exposure to attack by chlorine, a disinfectant routinely used for Kensico Reservoir water to protect public health. These include *Giardia lamblia*, *cryptosporidium*, and *E. coli* 0157:H7, all which can cause serious illness or death, especially among people who are very young, or very old, and people with compromised immune systems.<sup>3</sup> In addition, the organic particles that contribute to turbidity can also combine with chlorine to create disinfection by-products which may increase the risk of cancer or early term miscarriage for people drinking the water.<sup>4</sup>



One very important method for protecting the watershed of an unfiltered water supply system is the ownership and preservation of land in its natural undeveloped state. The land acts as a sponge, absorbing and filtering stormwater pollutants before they reach the Reservoir. Here, the City holds only 34% of the land within the Kensico Watershed. This percentage is much less than that of watersheds in other cities that operate unfiltered drinking water supply systems: Boston owns and preserves 75% of its watershed, Portland, Oregon 100%, San Francisco 88%, and Seattle 99.6%.

Pollution of the Kensico Reservoir could threaten the City's ability to maintain filtration avoidance, which would require it to build a filtration plant for its distribution system. The plant would entail capital expenditures of over \$10 billion and annual operation and maintenance costs exceeding \$100 million. Under the federal Safe Drinking Water Act, 42 U.S.C. § 300f, et seq. (SDWA), EPA promulgated the Surface Water Treatment Rule, which requires the City's public drinking-water system to satisfy water quality standards, either by installing a filtration system or by meeting criteria, including a "watershed control program," to protect the quality of the water in the absence of filtration. See 40 C.F.R. §§ 141.70, 141.71.

Under the SDWA, the City's Kensico water must comply with water quality standards for turbidity and pathogens. EPA limits raw water turbidity at the intake to the distribution system in the Reservoir. Turbidity at this location in excess of 5 nephelometric turbidity units is not allowed. See 40 CFR § 141.71(a)(2). In addition, because of the health risks associated with pathogens in a drinking water supply, EPA requires that the City's unfiltered water system meet strict requirements "ensuring that the system is not a source of a waterborne disease outbreak." 40 C.F.R. § 141.71.

(Document #3, Philip Bein, Watershed Inspector General; Charles Silver, Ph.D., Watershed Inspector General Scientist; Claiborne Walthall, Assistant Attorney General; Environmental Protection Bureau, Office of the New York Attorney General, 4/22/2021)

### **Response 2.13-1**

The Lead Agency has proposed to undertake the Proposed Action to comply with State and Federal regulations to protect public health, as outlined in Part A of the Scope. Chapter 2.B, Project Background, Need, Objectives and Benefits of the DEIS will also explain the public health benefits and regulatory requirements of the Proposed Action to filter pollutants from drinking water. In addition, Chapter 3.N Public Health, of the DEIS will discuss the current drinking water requirements, and the impacts of implementing the Proposed Action on the quality of drinking water. Finally, Chapter 3.F of the DEIS will discuss stormwater management and a Stormwater Pollution Prevention Plan consistent with NYS DEC and NYC DEP requirements will be prepared.

**Comment 2.13-2**

The DEIS must include the results of any Phase I environmental site assessment of the proposed parcel and based on any concerns identified on the property, include, as necessary, the results of any Phase II assessment.

(Document #2, pg. 2, Cynthia Garcia, Supervisor, SEQRA Coordination Section, 4/16/2021)

**Response 2.13-2**

Chapter 3.N of the DEIS will discuss the potential for public health impacts, including the results of the Phase I Environmental Site Assessment and any methods of abatement if required, as outlined in the Scope. The Phase I studies and testing results will be provided in an Appendix in the DEIS.

**2.14. HAZARDOUS WASTE****Comment 2.14-1**

Potential impacts associated with hazardous waste to the wetlands habitat and residential properties along Purchase Street, Tower Road and Kempner Lane within close proximity to the site. As you are aware, the County is currently studying whether there are any contaminants to the ground water at the nearby airport. The Final Scoping Document should include an analysis of contamination to the ground water at the proposed site.

(Document #6, Pg. 4, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

**Response 2.14-1**

The DEIS will include an examination of hazardous substances on site based on a Phase I Environmental Site Assessment and additional groundwater and soil testing that was undertaken. If required, the DEIS will describe required methods of abatement that would occur prior to or during the commencement of construction activities, as outlined in Chapter 3.N, Public Health, of the Scope.

**Comment 2.14-2**

The topic of hazardous materials and whether contaminated materials may be present on-site and the possibility of the migration of contaminated groundwater from the Westchester County Airport the site of the water filtration plant has occurred must be examined and should be included in the Final Scoping Document.

(Document #6, Pg. 5, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

**Response 2.14-2**

The DEIS will include an examination of hazardous substances on site through a Phase I Environmental Site Assessment and additional soil and groundwater testing that was undertaken on the project site. The DEIS will describe required methods of abatement, if required, that would occur prior to or during the commencement of construction activities, as outlined in Chapter 3.N, Public Health of the Scope.

**Comment 2.14-3**

We are concerned about the impact of the chemicals used in the filtration plant will be on our meeting property as well as the noise from the large trucks that will be used for their transportation. The size of these trucks may range from 50 to 70 feet in length. Include the types of chemicals being delivered to the site, the types of chemical waste being removed from the site; include the size of the trucks making deliveries of chemicals and removing of waste.

(Document #9, pg. 4, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

**Response 2.14-3**

Truck traffic will be discussed in Chapter 3.K as outlined in the Scope. Noise from truck and construction traffic will be discussed in Chapter 3.L, Noise and 3.O, Construction, of the DEIS as outlined in the Scope. Chapter 3.N.2, Public Health, of the Scope has been revised to include a discussion of any chemicals and hazardous materials that may be required for plant operations, including methods of storage and disposal.

**Comment 2.14-4**

Solid waste or waste. Again, in addition to the hazardous waste of you know any construction on-site I think there needs to be a discussion on hazardous waste that any potential chemicals hazardous waste being brought in that used as part of the treatment processes, if any, that should be included in the scoping document, in the final scoping document as well.

(Document #1, pg. 40-41, Eric Gordon, Transcript of Public Scoping Session 4/13/2021)

**Response 2.14-4**

Solid waste will be discussed in Chapter 3.D of the DEIS as outlined in the Scope, including on-site storage and removal of waste. Chapter 3.N.2, Public Health, of the Scope has been revised to include a discussion of any chemicals and hazardous materials that may be required for plant operations, including methods of storage and disposal.

#### **Comment 2.14-5**

Given the proximity to the airport, the existence of PFOS, PFOA, and PFAS concentrations above the USEPA recommended values at the airport and that two Recognized Environmental Conditions (REC), an Historic Recognized Environmental Condition (HREC), and two Business Environmental Risks (BER) were identified on or near the airport property, we request a Phase II Environmental Site Assessment.

(Document #9, pg. 2, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

#### **Response 2.14-5**

A Phase I Environmental Site Assessment has been conducted along with additional soil and groundwater sampling. The results, including any PFOS, PFOA and PFAS detected on site, will be discussed in the DEIS, as outlined in Chapter 3.N, Public Health of the Scope.

### **2.15. CONSTRUCTION**

#### **Comment 2.15-1**

Blasting impacts on properties along Purchase Street, Tower Road and Kempner Lane within proximity to the site.

(Document #6, pg. 3, Eric L. Gordon, Keane Beane P.C., 4/23/2021)

#### **Response 2.15-1**

Chapter 3.O, Construction, of the DEIS will discuss proposed techniques for rock removal should it become necessary and potential impacts to adjacent properties that could result from rock removal, as outlined in the Scope.

#### **Comment 2.15-2**

**Disruption during construction:** It appears that the construction process will be lengthy and noisy; We are concerned about the disruption this may cause for our caretaker and other activities at our meeting house; Provide the time period of actual construction on site; Set forth the dates that tree removal, site grading and building construction will begin and end; And set forth the anticipated length of time for each stage of construction.

(Document #9, pg. 3 - 4, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)



## **Response 2.15-2**

The construction schedule and phasing plan will be described in Chapter 3.O of the DEIS as outlined in the Scope. The DEIS will assess the potential for construction impacts with respect to noise, tree removal and changes to site grades.

## **Comment 2.15-3**

**Disposal of Excavated Fill:** A substantial part of the plant will be constructed below ground level; Include the volume of fill to be excavated; Include plans for disposal of excavated fill; Consider using excavated fill to build a berm to lessen the visual impact of the plant.

(Document #9, pg. 3 - 4, Peter Close, Trustee on behalf of Lynne Murray, Clerk, Purchase Meeting Trustees, 5/10/2021)

## **Response 2.15-3**

Chapter 3.O, Construction, of the DEIS will discuss impacts to adjacent land uses associated with construction staging and management of fill export and import, as outlined in the Scope. A visual impact analysis will be undertaken, and Chapter B. Community Character and Visual Impacts, of the DEIS will discuss mitigation measures. It is anticipated that physical earth work, such as creating a berm, will not be needed to lessen the visual impact of the plant and using the existing landscaping augmented by additional plantings would mitigate the impacts. This information will be detailed in the DEIS.

## **Comment 2.15-4**

With respect to construction and you know locating the plant, I know you've located much of plant underground, but you know, what are the impacts during the excavation, is there gonna be blasting, how much blasting, how this is gonna affect the neighboring properties, you know. Certainly, we favor putting more of the plant in a less visible location, but you know, also concerns about how this is going to be done and the construction impacts and how long construction is gonna take and you know, we know that's in the scope but to make sure that's fully analyzed.

(Document #1, pg. 43, Eric Gordon, Transcript of Public Scoping Session, 4/13/2021)

## **Response 2.15-4**

Blasting is not anticipated as part of the project. The proposed technique for rock removal will be discussed in the DEIS in Chapter 3.O, Construction.

## 2.16. WETLANDS, WATERBODIES, WATERCOURSES, AND FLOODPLAINS

### Comment 2.16-1

Section I of the Draft Scope calls for description of anticipated impacts to wetlands and waterbodies and proposed mitigation for all identified significant adverse impacts. The Draft Scope identifies approximately two acres of wetlands on the Project site, including an unnamed and unclassified stream that appears to discharge to Rye Lake/Kensico Reservoir. *See* Draft Scope, at 6; Maps 1 & 3. During construction, this stream has the potential to convey sediment and other contaminants mobilized by soil disturbance to Rye Lake. After construction is completed, the increased area of impervious surfaces proposed for the Project have the potential to increase stormwater runoff velocity, also increasing levels of Total Suspended Solids (TSS) in the stream, which may impact Rye Lake/Kensico Reservoir. The potential adverse impacts during and after construction may be exacerbated if on-site wetlands are disturbed or degraded.

The WIG believes that the Project should result in no net increase of TSS to this unnamed stream and Rye Lake/Kensico Reservoir. This should be documented in a pollutant loading analysis addressing TSS (and fecal coliforms as well). Therefore, the WIG recommends that the DEIS fully analyze the potential adverse impacts to water quality in Rye Lake/Kensico Reservoir related to the on-site wetlands and streams, and the increased areas of impervious surfaces on the site. If the DEIS identifies significant adverse impacts, the DEIS should identify appropriate mitigation measures to avoid any net increase in TSS loading during construction or operation of the Project.

(Document #3, Philip Bein, Watershed Inspector General; Charles Silver, Ph.D., Watershed Inspector General Scientist; Claiborne Walthall, Assistant Attorney General; Environmental Protection Bureau, Office of the New York Attorney General, 4/22/2021)

### Response 2.16-1

Due to the site's location in the Rye Lake/Kensico Reservoir watershed, the site is being designed in accordance with water quality requirements in Subchapter C of NYCDEP's Watershed Regulations as well as the New York State Stormwater Management Design Manual (NYS SMDM). As such, the site is required to implement Stormwater Management Practices (SMPs) to treat the one-year 24-hour rainfall event, and this is reflected in the Water Quality Volume (WQv) and Runoff Reduction Volume (RRv) calculations. All approved SMPs in the NYS SMDM were selected by NYSDEC based on their ability to provide adequate TSS removal, and the project SMPs are being designed in accordance with the manual to ensure proper TSS removal. No fecal coliform issues are anticipated for this site because the building would be connected to the airport sewer system, and no septic or leach fields will be constructed as part of this project.

## **Comment 2.16-2**

Anticipated Impacts should be quantified and broken out to temporary and permanent impacts to both wetlands and adjacent areas. All wetlands should be assessed for impact regardless of their regulatory status.

The discussion of water features must note the project's location in the Kensico Reservoir basin, the critical nature of Kensico Reservoir and its importance to NYC's drinking water supply system, must identify any potential impacts to the Kensico Reservoir, and include necessary mitigation, as Kensico Reservoir is a terminal reservoir located within the 60-day travel time to water supply intakes.

The DEIS should include a discussion relative to disturbances proposed in wetlands and buffer areas for the construction of a parking area and demonstrate how those adverse impacts will be mitigated and/or avoided.

The DEIS should include a detailed set of site plans that depict all proposed improvements in relation to sensitive environmental features on the project site including watercourses and wetlands. It is strongly recommended that a site visit be conducted with DEP staff early in the planning process in order to delineate the nature and extent of watercourse(s) on the project site. Again, the applicant's representative may contact Mariyam Zachariah at (914) 749-5357 in order to schedule a site visit.

The DEIS must identify and assess any altered drainage patterns and the potential adverse impacts that increased, or, in some cases, decreased runoff amounts would pose to wetlands and streams. Again, DEP must validate the watercourse(s) depicted on the circulated maps that were included in the draft scope as the surface water features are not consistent with DEP's GIS mapping. Note that the Watershed Regulations include strict limiting distances from watercourses, reservoir stems and reservoirs to certain activities (e.g., impervious surfaces and petroleum bulk storage) which may significantly impact the layout an extent of this action.

DEP recommends that the applicant use only native, non-invasive species for plantings associated SWPPP practices and other landscaping or wetland mitigation plans. The DEIS should include a preliminary list of species that will be used for any proposed mitigation plans.

(Document #2, pg. 2 – 3, Cynthia Garcia, Supervisor, New York City Department of Environmental Protection, 4/16/2021)

## **Response 2.16-2**

Detailed site plans will be included in the DEIS as an Appendix and all required site visits will be coordinated with the NYC DEP, including watercourse validation.

The SWPPP and site plans will be prepared in accordance with NYS DEC and NYC DEP regulations. Parking lots and other impervious surfaces will be incorporated into the stormwater analysis.

Chapter 3.F of the DEIS will discuss stormwater impacts, including erosion and sediment control measures and analyze pre- and post-development peak runoff rates from the site. The existing points of stormwater discharge and proposed on-site collection will be discussed, as outlined in the Scope. A Stormwater Pollution Prevention Plan will be drafted.

The DEIS will include a landscape plan and will include a preliminary list of plant species. This information will be provided in Chapter H, Vegetation and Wildlife.

#### **Comment 2.16-3**

Next is as far as the wetland impacts. I think it is important that you analyze the wetland impacts by studying all the alternatives. I mean, my understanding is one of the -- again, the reasons why some of the alternatives weren't selected was because of wetlands, but I think there needs to be an analysis on how wetlands could be addressed and what would be the most preferable site from a wetlands prospective, and that should be part of the scoping document as well. Is the study of all three sites with respect to the wetlands issues.

(Document #1, pg. 41, Eric Gordon, Transcript of Public Scoping Session 4/13/2021)

#### **Response 2.16-3**

Chapter 3.F of the DEIS will discuss stormwater impacts, including erosion and sediment control measures and analyze pre- and post-development peak runoff rates from the site. The existing points of stormwater discharge and proposed on-site collection will be discussed, as outlined in the scope. A Stormwater Pollution Prevention Plan will be prepared.

Alternatives 2, 5, 6, 7, and 8, as outlined in the Scope will discuss alternative site locations and, where relevant, approximate wetlands disturbances for comparison with the Proposed Action.

### **2.17. ALTERNATIVES**

#### **Comment 2.17-1**

The DEIS should include a project alternative of reduced scope and reduced environmental impact that considers alternative site layouts, limited site disturbance, limited and disconnected impervious surfaces, use of stormwater green infrastructure practices, and stormwater runoff directed to infiltration practices where feasible...



The alternatives should include a discussion of siting the facility outside of the Kensico Reservoir basin (e.g. existing WJWW-owned parcel or other parcel). To the extent possible, the DEIS should also include analysis of the feasibility of siting, at a minimum, the stormwater outfalls outside the Kensico Reservoir basin particularly given the proximity of the chosen parcel to the watershed boundary.

(Document #2, pg. 2 – 3, Cynthia Garcia, Supervisor, New York City Department of Environmental Protection, 4/16/2021)

#### **Response 2.17-1**

Chapter 2 of the DEIS will discuss the Proposed Action in terms of the site plan layout and materials. Chapter 3.A, Land Use, Zoning and Public Policy will discuss the Proposed Action in terms of its consistency with the surrounding land use, zoning code, and local planning documents.

Alternatives 2 and additional alternatives 5, 6, 7, and 8 will all discuss alternative site locations, and will weigh potential impacts for comparison with the Proposed Action. Specifically Alternative 2 will discuss locating the project on the WJWW-owned site outside of the Kensico Reservoir Basin.

#### **Comment 2.17-2**

The following reasonable alternatives and descriptions of the impacts addressed must be identified in the Final Scoping Document and addressed in the DEIS:

- Reconsider the potential alternative site on the property behind the proposed Sylvan subdivision and how it would result in fewer impacts to the residents based on its location further from Purchase Street and any existing residences. Provide an analysis of why this site was rejected when it was selected as the location for the water filtration plant in 2007-2007 when the Town of Harrison Planning Board acted as Lead Agency with respect to this project. Consider whether the consent of the owner of the Sylvan subdivision would impact the consideration of this site as an alternative.
- Consider the potential alternative site on the Westchester Airport property down Tower Road further from Purchase Street. Provide an analysis of why this alternative site was rejected.
- Consider alternative access to the water filtration plant from Tower Road, rather than providing access directly from Purchase Street that will adversely impact many residences on Purchase Street and Kempner Lane.

- Consider the alternative of constructing a pipeline connecting to the New York City Shaft 20 in Yonkers and the potential adverse impacts that would be mitigated based on this alternative.
- Consider Alternative water filtration or water purification technologies that would not require construction of a water filtration plant that would address the June 9, 2004 Judgment and Order and USEPA Administrative Order.
- Provide alternative plant construction designs and assess the potential impacts that would be mitigated by these alternative plant construction designs.

(Document #6, Pg. 7, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

### **Response 2.17-2**

The above comment references Shaft 20 in Yonkers; however, Shaft 20 is located in Greenburgh.

The following alternatives have been added to the Scope to address the above comments:

- Alternative 5: The use of Tower Road as an alternative entrance to the proposed site will be discussed.
- Alternative 6: Alternative Site Plan Tower Road (Discuss locating the plant along the north side of Tower Road on property currently owned by Westchester County.)
- Alternative 9: Shaft 20 Alternative (Discuss the construction of a pipeline connecting to the New York City Shaft 20 in Greenburgh)

The following alternatives were already included in the Scope and address the above comments:

- Alternative 3: Alternative filtration technology (Discuss the potential of meeting the EPA Administrative Order (Index No. SDWA-02-2020-8001) dated November 26, 2019, Judgment and Order of New York State Supreme Court (Index No. 13364-99, Justice Louis A. Barone) dated June 9, 2004, and current federal drinking water standards through another technology other than what is proposed in the Proposed Action).
- Alternative 4: Alternative façade treatments for the filtration plant will be presented and discussed.

### **Comment 2.17-3**

Consider combining the WJWW UV Plant and proposed water filtration plant in a single structure on the site of the proposed location for the UV Plant. WJWW is currently in the process of obtaining approvals from the Town of Harrison Planning Board for the UV Plant on property that WJWW leases from the NYCDEP where a pumping station is currently located in a

historically significant building. The UV Plant is to be housed in a new building, and will include, among other things, associated new piping and an additional generator. The construction of the UV Plant should be placed on hold while the WJWW, as Lead Agency, considers if the new building housing the UV Plant can be expanded to house both the UV Plant and water filtration plant systems in a single structure on a single site, instead of dispersing them on two separate sites. Combining the two systems in one structure on the property where the existing UV Plant is currently expected to be located will greatly reduce potential adverse environmental impacts to the residential area near the proposed water filtration plant location, and will minimize the impacts to the Purchase Quakers. Impacts on the parcel where the UV Plant is proposed will be minimal because this is an existing location where disturbance is already occurring.

(Document #8, pg. 2, Eric L. Gordon, Keane and Beane P.C., 5/7/2021)

### **Response 2.17-3**

Alternative 7, Alternative Site Plan at Rye Lake Pump Station, has been added to the Scope.

### **Comment 2.17-4**

Another potential alternative site that the WJWW should consider is identified on the Town of Harrison Tax Map as SBL 0097.-1 and is owned either by the City of New York or the New York State Department of Transportation. Printouts of this parcel from the Westchester County GIS are submitted herewith. The parcel currently has a large area that houses trucks and other equipment that we were advised are owned by a private company that subcontracts with the New York State Department of Transportation to perform electrical and other work on I-684 and possibly other areas in Westchester County. It is believed that these trucks and other equipment on this parcel contribute to Rye Lake contamination and should be removed. This parcel is a preferable site to the current proposed location for the water filtration plant on the airport property because there is already a large area of disturbance on this site, and because it is not in close proximity to any residences or other known potentially historic sites. At the very least, this parcel should be included for study in the DEIS Final Scoping Document as a potential alternative location.

(Document #8, pg. 2, Eric L. Gordon, Keane and Beane P.C., 5/7/2021)

### **Response 2.17-4**

Alternative 8 has been added to the Scope to address locating the plant on Harrison Tax Map as SBL 0097.-1, currently owned by New York City.

#### **Comment 2.17-5**

SEQRA requires “a description and evaluation of the range of reasonable alternatives to the action that are feasible, considering the objectives and capabilities of the project sponsor” (6 N.Y.C.R.R. §617.9(b)). While an applicant is not required to consider sites it does not own or have the option to purchase, the final scoping document must include the consideration of other properties owned/controlled by WJWW and determine if any of these properties could be used to meet the applicant’s objectives for the project. If viable alternative sites are available, they should be advanced for full evaluation in DEIS. There is at least one alternative site that is owned by WJWW that was previously considered as a viable location for a water filtration plant in or around 2007-2008.

(Document #10, pg. 4, Anne Gold, Executive Director, Purchase Environmental Protective Association, 5/10/2021)

#### **Response 2.17-5**

Alternative 2 of the DEIS will discuss locating the plant on the WJWW property that would be part of the land swap associated with the Proposed Action. Alternative 6 has been added to the scope, which includes a discussion of an alternative site plan along the north side of Tower Road.

#### **Comment 2.17-6**

The second thing I wanted to talk about sort of out of order is the alternatives. That's the other sort of part of SEQR is consideration of alternative sites, you know. Initially when this project had been presented our understanding was that it was gonna go down Tower Road when it was going to the airport property that there was gonna be there is an area down Tower Road that you know, it's another large area undeveloped area on the airport property that you could set this plant back substantially further from Purchase Street, have many fewer impacts on many of the properties on Purchase Street and Kempner Lane, without having to create a new separate entrance onto Purchase Street, which seems to be the current alternative that's been -- or the current Proposed Action that has been presented.

So certainly, with respect to alternatives I would hope that you would study that other alternative. I know there are wetland issues, I believe there are wetland issues with both sited, but you know that would be a much preferable alternative. You know, again, I don't know why that was not -- why that was eliminated, but you know that should be certainly studied as part of the scope as that alternative area of the airport property, you know.

I know you said you are going to study the area, the Joint Water Works property, which is now set out for exchange and you know. My clients in discussing this with them and having an understanding of it and sort of if that -- the alternative site in the airport property is not



something that is deemed feasible or appropriate, certainly given sort of a lesser of two evils type of situation, if the plant has to be built you know, my client is you know, open to consideration of that with Westchester Joint Water Work site behind the subdivision that is there. There are wetlands again that have to be crossed, but that area again is setback much further from any residences and it would have many fewer impacts on any potential residents, other than my client's potential subdivision which isn't developed yet, but you know, again that alternative we think should be given substantial consideration over what has been presented here.

(Document #1, pg. 33 -35, Eric Gordon, Transcript of Scoping Session, 4/13/2021)

#### **Response 2.17-6**

Alternatives have been added to the DEIS scope which will discuss access to the current proposed site plan via Tower Road (Alternative 5) and an alternative site plan on Westchester County property north of Tower Road (Alternative 6).

Alternative 2 presents the alternative site plan on the WJWW site that would be part of the land swap in the Proposed Action.

#### **Comment 2.17-7**

And then again, last but not least we would really ask that with respect to alternatives that these be properly analyzed, that the additional alternative proposed down Tower Road be analyzed before you know, going too much further down the path of finalizing the location for this project because you know, it's my client's opinion that this isn't the best location for this project given how things have shaped up over the years and where things stand.

(Document #1, pg. 33 -35, Eric Gordon, Transcript of Scoping Session, 4/13/2021)

#### **Response 2.17-7**

Alternatives have been added to the DEIS scope that will discuss access to the current proposed site plan via Tower Road (Alternative 5) and an alternative site plan north of Tower Road (Alternative 6).

#### **Comment 2.17-8**

Getting into further alternatives in reading the scoping document, the introduction there was a very brief discussion of sort of regional water utilities that were sort of pursued options and there was the viability of alternative to filtration of Rye Law water consisting of construction of a pipe line for conveyance of treated water from New York City shaft 20 in Yonkers. And that - there is a line in here that due to its exorbitant cost of a 175 million was discounted, and I certainly appreciate that, but there should be a substantial discussion of those other potential

alternatives of satisfying the EPA requirement and the other order that is the -- the Joint Water Works is subject to, and I think there should be a much more detailed explanation of why that cost is 175 million, you know, how it was eliminated, why the regional project -- you know, the regional alternatives or options were eliminated and not just leave it as a faded complete that we need a plant, especially given the substantial cost of this plant.

(Document #1, pg. 35-36, Eric Gordon, Transcript of Public Scoping Session 4/13/2021)

#### **Response 2.17-8**

Shaft 20 is located in Greenburgh and not Yonkers. Alternative 9 has been added to the scope to discuss the Shaft 20 alternative from Greenburgh, NY.

### **2.18. MISCELLANEOUS**

#### **Comment 2.18-1**

The DEIS Draft Scope fails to provide any information on the extent and quality of information needed to adequately address identified impacts. 6 NYCRR § 617.8(e)(3).

The Final Scoping Document should include a reference to available scientific literature and relevant data pertinent to the identified impacts. (See The SEQRA Handbook, Fourth Edition, 2020, p. 104.) The Final Scoping Document should identify existing and relevant data that will be used to address identified impacts. The DEIS Draft Scope fails to include available scientific literature and relevant data and information concerning the wetlands areas, stormwater impacts, and economic impacts which should be included and studied in the DEIS.

(Document #6, Pg. 6, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

#### **Response 2.18-1**

The Scope outlines the information and data on hand and that will be collected in each of the technical areas of analysis, in compliance with the requirements of the SEQRA regulations.

#### **Comment 2.18-2**

The DEIS Draft Scope fails to identify specific mitigation measures. 6 NYCRR § 617.8(e)(4).

The DEIS Draft Scope simply states at the bottom of each subheading of each Chapter "Mitigation Measures Discuss and evaluate mitigations measures for all identified significant adverse impacts". This does not meet the minimum requirements set forth under SEQRA for scoping, which requires a list of potential mitigation measures to be provided in the scoping document and an explicit requirement to include and address additional mitigation measures which may be identified during EIS studies and analyses. (See The SEQRA Handbook, Fourth

Edition, 2020, p. 104.) Specific mitigation measures to be explored in the DEIS must be identified and listed in the Final Scoping Document.

(Document #6, Pg. 6, Eric L. Gordon, Keane and Beane P.C., 4/23/2021)

**Response 2.18-2**

The Scope identifies the potential mitigation measures identified at the time of scoping, prior to preparation of the DEIS. These include the anticipated need to develop a Stormwater Pollution Prevention Plan (SWPPP) and the requirement that the contractor develop a dust mitigation plan as part of the construction contract. If the DEIS identifies significant adverse impacts with respect to the Proposed Action, the DEIS will seek to identify feasible measures to mitigate such impacts, as required by the SEQRA. Such measures may include the use of directional lighting, screening, and the use of photovoltaic panels to reduce the net energy consumption of the filtration plant's operation.