



Michael Joosten  
162 Old Mill Rd  
West Nyack, NY 10994  
Tel: 845-620-3346  
Fax: 845-620-3311  
Michael.Joosten@suez.com

March 25, 2022

New York State Department of  
Environmental Conservation  
Division of Water, Bureau of  
Water Resources Management  
625 Broadway  
Albany, NY 12233-3508

RE: SUEZ Water New York 2021 Water Withdrawal Reporting Form  
Submitted electronically via email

Dear Administrator:

Please find enclosed the 2020 New York State Department of Environmental Conservation (NYSDEC) Water Withdrawal Reporting Form for SUEZ Water New York (Formerly United Water New York). The report includes required data for all SWNY sources (5 reservoirs, 66 wells including out of service wells) in the Rockland County and Orange County systems of the company for the calendar year 2020. Well capacities listed are current peak drought supply capacities as filed with the NYS Public Service Commission.

Please note that the volumes reported on page 2 for Lake Deforest Plant and Ramapo Valley Wellfield represent volumes from the final production flow meter. Additionally, the general map was submitted with the 2013 submission in March 2014.

Please feel free to contact us if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Joosten', written over a light blue horizontal line.

Michael Joosten  
Manager Treatment & Supply, SUEZ Water New York

New York State Department of Environmental Conservation  
Division of Water, Bureau of Water Resources Management  
625 Broadway, Albany, NY 12233-3508

# Water Withdrawal Reporting Form

Due by March 31<sup>st</sup> each year

Prior to filling out this form, please read the instructions on the last page

*This form not for Agricultural Facilities*

Section 1 of 6 - Basic Information

Facility Name	SUEZ Water New York	Facility Street Address	162 Old Mill Rd	Reporting Year	2021
City	West Nyack	Zip	10994	Town	Clarkstown
				County	Rockland
Contact Name	Michael Joosten	Email	michael.joosten@suez.com	Telephone	(845) 623-1500

### Water Withdrawal Category

(Check One)

Agricultural - Must use form at <http://www.dec.ny.gov/lands/86904.html>

Bottled / Bulk Water

Commercial

Environmental

Industrial

Institutional

Mine Dewatering

Oil / Gas Production

Power Production:

Fossil Fuel

Nuclear

Other Pwr

Public Water Supply

Recreational:

Golf Course

Snow Making

Other Rec

Other Category

Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>
Source Name	<input type="text"/>	Source Type	<input type="text"/>	Well Depth	<input type="text"/>	Max Rate	<input type="text"/>	Units	<input type="text"/>

**See Attached Summary sheet**

26.81	MGD	38.302	MGD	52.03	MGD
Average Day Withdrawal	Units	Maximum Day Withdrawal	Units	Maximum System Capacity or NYSDEC Permitted Withdrawal	Units

Submitted by

Title

Date

SUEZ Water New York  
 Rockland and Orange Counties, New York  
 Water Sources

Source Name	Source Type	Well Depth	Max Rate <sup>1</sup>	Units
Spring Valley 1A	BW	520	550	GPM
Spring Valley 3	BW	500	145	GPM
Spring Valley 4	BW	500	208	GPM
Spring Valley 6	BW	502	393	GPM
Sparkill 8	BW	481	300	GPM
Sparkill 11	BW	458	0	GPM
Nanuet 13	BW	325	347	GPM
Nanuet 14	BW	375	347	GPM
Blauvelt 15	BW	395	332	GPM
Tappan 16	BW	500	198	GPM
Spring Valley 17	BW	506	404	GPM
New Hempstead 18	BW	300	700	GPM
Bardonia 19	BW	477	145	GPM
Tappan 20	BW	555	115	GPM
Germonds 21	BW	601	90	GPM
Pearl River 22	BW	655	150	GPM
New City 23	BW	430	300	GPM
New Hempstead 24	BW	407	1000	GPM
Tallman 26	BW	437	438	GPM
Ramapo 27	UW	119	923	GPM
Viola 28	BW	215	700	GPM
Ramapo 29A	UW	89	712	GPM
Monsey 30	BW	420	230	GPM
Monsey 31A	BW	250	225	GPM
Wesel Road 32	BW	308	280	GPM
Pomona 37	BW	411	170	GPM
Pomona 38	BW	399	292	GPM
Catamount 42A	UW	66	200	GPM
Garnerville 46	BW	320	90	GPM
Thiells 50	BR	77	38	GPM
Thiells 51	BR	403	219	GPM
Saddle River 53	BW	351	429	GPM
Catamount 54 A	UW	107	350	GPM
Nottingham 55	BW	354	410	GPM
Willow Tree 56	BW	350	850	GPM
Norge 64	BW	352	349	GPM
Pascack 65	BW	404	600	GPM
Elmwood 66	BW	401	350	GPM
Grandview 67	BW	435	195	GPM
Cherry Lane 68	BW	455	330	GPM
Pinebrook 69	BW	402	440	GPM
Birchwood 70	BW	450	164	GPM
Eckerson 71	BW	406	300	GPM
Rustic 72	BW	401	448	GPM
Lake Shore 73	BW	363	600	GPM
Grandview 78	BW	452	182	GPM
West Gate 79	BW	400	126	GPM
Eckerson 82	BW	454	325	GPM
Grotke 83	BW	500	148	GPM
RVWF 84	UW	89	4	MGD
RVWF 85	UW	74		
RVWF 93	UW	95		
RVWF 94	UW	100		
RVWF 95	UW	94		
RVWF 96	UW	86		
RVWF 97	UW	73		
RVWF 98	UW	99		
RVWF 99	UW	107		
RVWF 100	UW	125		
Viola 106	BW	440	700	GPM
LDF	R		20	MGD
Letchworth	R		3	MGD
NYU 109	BW	225	25	GPM
Blue Lake	R		0.65	MGD
Sterling Lake	R		0.04	MGD
Indian Kill	R		0.6	MGD
Unused/out of service:				
Maplebrook 108	BW	248	0	
Piermont 25	UW	72	0	
Fairmont 44	BW	450	0	
River Rise 80	BW	403	0	
Long Clove 81	BW	375	0	

2.448

Note: 1) Max rate is the 3-day peak rate from the short-term water supply program for the Rockland County sources, permit rate/capacity for Orange County sources

## Water Withdrawal Reporting Form

### Section 2 of 6 - Water Use

Calculation Method

If multiple methods are used, choose the one that measures the greatest percentage of water in your system. E = Estimated M = Metered readings W = Flow through a weir  
P = Flow through a pipe or pump run times C = Pump curve calculation

Units: Must be in gallons per month	January	February	March	April	May	June
Withdrawn	774,847,000	732,927,000	742,048,000	747,467,000	865,539,000	962,539,000
Transferred / Imported / Purchased	8,804,482	8,924,197	753,962,010	4,746,421	4,801,029	7,740,144
Consumed	615,992,339	568,024,108	523,065,160	604,320,962	612,327,089	660,553,842
Returned	4,514,000	840,000	900,000	900,000	930,000	1,590,000
Diversions In / Out, if any						

For Transferred water or Diversions Out, use a negative (-) sign

Units: Must be in gallons per month	July	August	September	October	November	December
Withdrawn	921,708,000	928,700,000	826,621,000	785,667,000	705,037,000	726,333,000
Transferred / Imported / Purchased	8,138,606	7,122,997	9,799,729	5,898,691	4,784,572	6,990,819
Consumed	860,520,546	801,861,888	757,280,556	696,890,903	662,971,914	567,254,285
Returned	1,860,000	1,860,000	1,800,000	1,860,000	1,080,000	930,000
Diversions In / Out, if any						

Describe location of returned water

Lake Deforest Water Treatment Plant Lagoon discharge to Hackensack River.

**Water Withdrawal Reporting Form**  
**Section 3 of 6 - General Map and Interbasin Diversions**

**General Map Required**

Please submit a map showing the location of all withdrawals and any points of return flow. Precise locations will remain confidential.

**A map is not necessary if one was submitted in a previous year and no changes have occurred.**

A paper copy of a USGS map or other high quality map or an electronically generated map can be faxed, mailed, or emailed. Please ensure that the map scale is sufficient to be able to see specific locations. Designate all water withdrawal locations on the map. Add markers to locate any related dams, weirs, or diversion structures. Label the name of each point.

Submit your map to DEC in one of the following ways:

- Print and mail or fax to 518 402-8290. Include cover letter identifying facility owner.
- Print, scan and email to [awqrsdec@dec.ny.gov](mailto:awqrsdec@dec.ny.gov)
- Copy electronically and email to [awqrsdec@dec.ny.gov](mailto:awqrsdec@dec.ny.gov)

**Interbasin Diversions**

Fill out this section only if water is being transferred between major drainage basins. To determine basin ID, go to the [DEC Major Drainage Basins map \(http://www.dec.ny.gov/lands/56800.html\)](http://www.dec.ny.gov/lands/56800.html). Then enter the basin ID by using the drop down menus under Originating and Receiving Major Drainage Basin headings below. Describe the locations of originating and receiving sites in the site description boxes (e.g. Town water intake on Route 12 at northern end of Pleasant Lake to Stony Reservoir near Bear Road).

Originating Major Drainage Basin

Receiving Major Drainage Basin

Basin Name

Basin Name

Originating Site Description

Receiving Site Description

**Water Withdrawal Reporting Form**  
**Section 4 of 6 - Water Conservation and Efficiencies**

Instructions: Check one of the boxes below for EITHER Section A or Section B, as appropriate for your facility type. A list of questions pertinent to that facility type will appear. Please answer all questions.

Section 4A: Public Water Supply Facilities

Section 4B: Non-Public Water Supply Facilities

If the incorrect box is selected, just scroll back up a page and change selection

NOTE: All permitted water withdrawal systems must have a [Water Conservation Program](#).

**Water Withdrawal Reporting Form**  
**Section 4A: Public Water Supply Facilities**

Public water suppliers must answer all the questions in this section

1. Are all sources of supply including major interconnections equipped with master meters?  Yes  No

2. What percentage of your system is metered?  % Average age of meters, in years:  Range of age of meters, in years:

3. How often were customer meters read this past year? (choose from drop list)

4. Number of water service connections:  Total population served:

5. How many customer meters were recalibrated and/or replaced in the past year?

6. Miles of pipe in water distribution system:  Length of pipe replaced in the past year:  Units:

7. Miles of pipe on which leak detection was performed using sonic listening equipment:  Type of equipment used:

8. How many system-wide water audits were performed in the past year?

9. Residential charge per 1000 gallons of water: \$

10. What percentage of the water withdrawn was not billed to customers?  % Lost to distribution system leakage?  %

11. Was information about household water saving devices and ways to reduce water use distributed to residential customers?  Yes  No

12. Was water conservation information about promoting recycling and reuse distributed to industrial and commercial customers?  Yes  No

13. Do you have lawn sprinkling time restrictions (e.g. odd/even days) during periods of peak demand?  Yes  No

14. Do you have a plan that takes progressive steps to further reduce outdoor water use during drought conditions with an ordinance or procedure to assure compliance?  Yes  No If yes, please forward a copy to the address shown in Section 1 of this form.

15. Please review your permit(s) for any specific water conservation conditions and report below on progress made in past year:

**Water Withdrawal Reporting Form**  
**Section 5 of 6 - Outside Sales to Other Water Systems or Facilities**

Instructions:

Permittees must record any sales to outside water systems or facilities. If this applies to your facility, please check the box titled, "Section 5 - Outside Sales" and fill in the information requested.

If your facility does not sell water to systems or facilities other than your own, skip the section by clicking the box for "No Outside Sales".

Section 5 - Outside Sales

No Outside Sales

If the incorrect box is selected, just scroll back up a page and change selection

## Water Withdrawal Reporting Form

### Section 5 - Outside Sales to Other Water Systems or Facilities

Permittees must record any sales occurring outside of their water service area or facility and include the information requested below. If this does not apply to your facility, please proceed to the next section.

PURCHASER NAME	FACILITY TYPE	TYPE OF SALE	CONTRACTED AMOUNT (gallons per day)	WATER SOLD IN YEAR (gallons per year)	AVE AMOUNT (gallons per day)	MAX AMOUNT (gallons per day)
Village of Hillburn	PWS	C		33,584,012	92,010	
SUEZ Water New Jersey	PWS	C	160,000	38,968,178	106,762	
Village of Nyack	PWS	C		6,045,000		
Village of Suffern	PWS	C		0		

Facility Type: PWS=public water supply; IND=Industrial; COM=Commercial; INS=Institutional; O/G=oil or gas; REC=Recreational; BOT=Bottled or bulk

Type of Sale: C=Continuous; I=Intermittent; E=Emergency

To calculate Average Amount, divide total water (gallons) used in year by number of days of purchase. Total is in gallons per day.

Maximum Amount is the one day greatest use in the year of record, shown in gallons per day

## Water Withdrawal Reporting Form

### Section 6 of 6 - Forward Form To NYSDEC

Unless required fields have not been filled in, the form can now be sent to NYSDEC. To send the form electronically, simply click the green box titled, "Click here to submit by email after filling out all sections of this form". Alternatively, the form can be printed and then mailed or faxed to NYSDEC at the address found on the first page.

When the form is sent by clicking the "submit by email" button, an automatic confirmation is returned. If this does not arrive within 10 minutes, please contact [awqrsdec@dec.ny.gov](mailto:awqrsdec@dec.ny.gov)

Click here to submit by email  
after filling out all sections  
of this form

Print Form

Print Blank Form For  
Handwritten Submission

Clear Entire  
Form

## Water Withdrawal Reporting Form

### Instructions & Definitions

Agricultural Purpose	The practice of farming for crops, plants, vines and trees, and the keeping, grazing or feeding of livestock, for sale of livestock or livestock products. Agricultural facilities must use the form titled "Registration and Water Withdrawal Reporting Form for Agricultural Facilities".
Public Water Supply	Supply water to the public. Examples include: municipality, hotel, apartment, restaurant, church, campground, etc.
Source Name	Name of well or surface water body (e.g., Well No. 1, Alcove Reservoir, etc.). List all sources including unused or back-up wells.
Source Type	S = Stream or River. L = Pond or Lake. R = Reservoir. BW = Bedrock Well. UW = Unconsolidated Well (e.g., sand and gravel). SP = Spring. P = Purchased.
Well Depth	Total depth in feet below ground surface. Leave blank for surface sources.
Max Rate	Maximum potential withdrawal rate of the water source. Will be equal to or greater than Permitted Rate.
Units (Max Rate)	Gallons per minute (gpm), gallons per day (gpd), or million gallons per day (mgd). Use drop down menu.
Average Day Withdrawal	Total amount withdrawn during reporting year divided by total days withdrawn.
Maximum Day Withdrawal	Largest single day withdrawal rate of the source during the reporting year.
Maximum Sys Capacity or Permitted Withdrawal	If permit information is unknown, contact NYSDEC at <a href="mailto:awqrsdec@dec.ny.gov">awqrsdec@dec.ny.gov</a> or 518-402-8182. Maximum system capacity is the sum of all sources simultaneously pumping at full rate.
Calculation Method	If multiple methods are used, choose the one that measures the greatest percentage of water in your system E = estimated. M = metered readings. W = flow through a weir or flume. P = flow through a pump or pump run time. C = Pump curve calculation.
Withdrawn	Amount of water removed from all sources. This includes groundwater and/or surface water.
Transferred/Imported	Amount of water brought in from or sent to another facility, includes bulk sales. For transferred water use a negative (-) sign.
Consumed	Amount of water not returned (e.g. water incorporated into a product or lost through evaporation). Public water suppliers must use metered sales to customers. Irrigation is considered "consumed water".
Returned	Amount of water discharged to a water treatment system or discharged back to the environment. Irrigation is not returned water.
Diversions In/Out	Amount of water, if any, diverted from/to another major drainage basin. For Diversions Out, use a negative (-) sign.
Location of Returned Water	State the general area where returned water is discharged. Example: "Hudson River near Poughkeepsie", "Groundwater near Auburn".
Major Drainage Basins	Report only "Major Basin" transfers. Use the internet link available on the form and enter Basin ID into the box indicated (use drop down menu). Describe the location of originating withdrawal and receiving discharge. Be as specific as possible.
Water Audit	A water audit is a thorough examination of the accuracy of water records and system control equipment to determine water system efficiency and to identify, quantify, and verify water and revenue losses. Water audits are beneficial in identifying the amount of unaccounted-for water.