

Vermont Monthly Operations Report For Groundwater Systems
And Systems Purchasing Groundwater

~~June~~ July ^{SR}

2023

Name of System: Richmond Water Resources Department

WSID #: 5084 Town: Richmond

Allen Carpenter Operator, Phone work--> 434 - 2178 Phone home--> 888-2387

A master meter is installed and functioning which records daily production

All water quality compliance analysis results have been reported to the Water Supply Division.

See attached for production information and results of daily parameter testing.

I certify, as the owner or authorized representative of this Water System, that I have completed this form, or reviewed it if completed by another, and that I have taken the necessary steps to ensure the information shown is correct. In making this certification, I understand that civil and/or criminal penalties may be imposed for submitting false information.

Prepared by Allen Carpenter, Class 3 Public Water System Operator # OP04153

Signature Allen Carpenter Date 8/3/23

Approved by Josh Arneson, Richmond Town Manager and Authorized Representative

Signature Josh Arneson Date 8/3/23

Notes: On 10th turned off well before flood, put out boil water notice. Water feed from tank during flood and boil water notice until 15th. Gain access on 12th. Isolated well from system. Cleaned clearwell, and shock chlorinated clear well and well. Flushed well outside and did required testing. Well turned on 15th to the system. Boil water notice lifted Saturday 15th.

Richmond Water Resources Department
VERMONT GROUNDWATER SYSTEM #5084 DAILY TEST RESULTS Month--> July 2023

Date	Meter	gallons produced	FL Lev	Entry Point CL2	Fin. PH Out	System Free CL2
Sample Location			Waterhouse Tap	Waterhouse Tap	Waterhouse Tap	WWTF Tap
Target Range			0.6 - 1.0 mg/L	0.8 - 4.0 mg/L	Minimum of 7.0	0.1 - 4.0 mg/L
#-> 6/30	19061600		0.8			
1	19116600	55000	0.7	1.03	7.1	0.40
2	19223700	107100	0.7	0.96	7.2	0.79
3	19259500	35800	0.8	0.93	7.0	0.89
4	19301600	42100	0.6	0.77	7.1	0.62
5	19398000	96400	0.7	0.98	7.0	0.59
6	19426800	28800	0.7	0.62	7.0	0.32
7	19556600	129800	0.7	0.93	7.0	0.79
8	19574900	18300	0.7	0.91	6.8	0.27
9	19711900	137000	0.6	1.00	6.8	0.63
10	19742400	30500	0.5	0.76	7.0	0.72
11						
12	19798300	55900	0.6	0.59	7.5	0.12
13						0.13
14						0.13
15	19798300	0	0.5	0.29	7.4	0.05
16	19916400	118100	0.6	0.93	7.5	0.86
17	20078500	162100	0.5	0.90	7.5	0.59
18	20227700	149200	0.7	1.69	7.5	1.36
19	20359400	131700	0.7	1.73	7.5	1.54
20	20396800	37400	0.8	1.65	7.4	1.32
21	20500400	103600	0.8	1.76	7.5	1.65
22	20535400	35000	0.7	1.73	7.5	0.60
23	20638400	103000	0.7	1.75	7.5	1.34
24	20688900	50500	0.6	1.80	7.4	1.51
25	20741200	52300	0.6	1.44	7.3	1.31
26	20832900	91700	0.6	1.44	7.5	1.10
27	20867900	35000	0.6	1.24	7.3	1.10
28	20981300	113400	0.5	1.61	7.3	1.40
29	21012300	31000	0.6	1.26	7.5	0.41
30	21115700	103400	0.5	1.53	7.0	1.31
31	21133100	17400	0.5	1.25	7.4	1.15
Total		2071500	18.6	33.48	203.5	25.00
Ave.		66823	0.6	1.08	6.6	0.81
Max.		162100	0.8	1.80	7.5	1.65
Min		0	0.5	0.29	6.8	0.05

12th Shock chlorinated
 cleaned clear well
 flushed well
 sent out tests
 - sat 15th boil water lifted
 FL batch 17th

On the 12th water was pumped to the clear well and then onto a green space to clean the clear well after the flood. never entered the drinking water system.

The lack of data from the 11th to the 14th is congruent with the period of time during which the pump was offline due to cleanup from the flood.