

George Latimer
County Executive

Sherlita Amler, M.D.
Commissioner of Health

October 23, 2020

Town of Lewisboro
PO Box 500, 11 Main Street
South Salem, NY 10590
Attn: The Honorable Peter H. Parsons. Supervisor

Re: 2020 Annual Sanitary Survey
Oakridge Water District
Public Water Supply (PWS)
Lewisboro (T)
PWS ID: NY5918395

Dear Supervisor Parsons:

A sanitary survey of the above referenced public water supply was conducted by Wayne Schneider, Assistant Engineer of this Department on September 8, 2020. Please be informed that at the time of the water facilities inspection, the following items were noted and discussed with Michael McLaughlin, Dan Mayorga, and Tyler Post of VRI Environmental, and Joel Smith of the Town of Lewisboro, representatives of your water system:

1. Rust and condensation continues to be observed on exterior of piping and filters in treatment room. Operator and town representatives have stated that they plan to address these issues via repainting/replacing of the piping, painting of the exterior of the filter housing, and upgrade to the dehumidifier/ventilation system in the treatment room. Provide a plan indicating timeframe for completion of those activities by December 31, 2020
2. Fascia and flashing on wood/rubber roof, secondary to the existing storage tank roof, shows signs of deterioration. Provide proof of repair by 12/1/2020
3. Run time clock on generator was not operational at the time of inspection. Operator states that repair order has been submitted. Generator is working at time of inspection. Provide proof of run time clock repair by November 1, 2020.

Please find enclosed/attached the following documents for your information, use and records:

- Water System Field Compliance Report (NYSDOH Form DOH-4234)
- Water System Sanitary Survey Report Form generated from the New York State Department of Health Safe Drinking Water Information System (SDWIS) and recorded on its database
- Updated Sample Schedule Report

Your continued cooperation toward compliance with the provisions of Part 5, Subpart 5-1 of the New York State Sanitary Code and Chapter 873, Article VII of the Laws of Westchester County is appreciated.

Should you have any questions, please contact Wayne Schneider, Assistant Engineer, at 914-864-7358, or the undersigned at 914-864-7348

Yours truly,



Zaw Thein, P.E.
Associate Engineer
Bureau of Environmental Quality

ZT:WS
Enclosure

Cc: Joel Smith, Facility Maintenance Manager
Michael McLaughlin, Designated Operator-VRI
Andy Tse- NYSDEC
File

Water System Field Compliance Report: A Review of Compliance with Subpart 5-1 of the New York State Sanitary Code

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Water Supply Protection

Public Water System Name <u>Oakridge Water District</u>	Street Address <u>Oakridge Drive</u>
Town, Village, or City <u>Lewisboro</u>	County <u>Westchester</u>

PWS ID Number N Y <u>5918395</u>	PWS Type <input checked="" type="checkbox"/> SC <input type="checkbox"/> NC <input type="checkbox"/> NTNC <input type="checkbox"/> NP	Date of Service <u>09</u> / <u>02</u> / <u>20</u>
Begin Time <u>08</u> : <u>15</u>	Source Type <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI	End Time <u>14</u> : <u>00</u>
Disinfection Waiver Issued? <input type="checkbox"/> Yes <input type="checkbox"/> No		4-Log Virus Treatment? <input type="checkbox"/> Yes <input type="checkbox"/> No

Field Visit Type ☐ Pre-operational ☐ Complaint ☐ Incident ☐ Illness ☐ Reinspection ☐ Sanitary Survey ☐ Inspection

Part 5 Subsection	Summary Description of Sanitary Code Requirement	SDWIS	Status
5-1.12(a)	Appropriate actions are taken in response to deteriorating source water quality or diminished effectiveness of treatment with potential for MCL violation.	SA	1
5-1.22(a)	Obtain health department approval prior to the construction or modification of a water system.	SB	1
5-1.23(a)	Obtain health department approval prior to use of an emergency water supply or alteration of a treatment process necessary to protect public health.	SD	1
5-1.27	Maintain minimum distribution system pressure of 20 psi at ground level.	SH	1
5-1.30	Bypass of any stage of treatment.	SJ	1
5-1.30	Disinfection of a groundwater source, surface water source or groundwater source influenced by surface water.	ND 41	1
5-1.30(b)	Filtration of surface source and groundwater influenced by surface water unless avoidance criteria is met.	42	4
5-1.30(b)(2)	Free chlorine residual disinfection concentration in the water entering the distribution system must be at least 0.2 mg/l and may not be less than the minimum concentration for compliance for more than four hours. Systems using other chemical disinfectants shall maintain residual disinfection levels entering the distribution system comparable to requirements for systems using chlorination.	41	1
5-1.30(g)	Maintain free chlorine residual at representative points in the distribution system.	NR	1
5-1.31	Protect the water distribution system from the creation of cross connections of sufficient hazard to adversely affect the health of water consumers.	SJ	1
5-1.71(a)	Exercise due care and diligence in the maintenance and supervision of all sources of the public water to prevent so far as possible, their pollution and depletion.	SN	1
5-1.71(b)	Exercise due care and diligence in the operation and maintenance of a water treatment plant and distribution system.	SO	1

Have all outstanding violations been resolved? ☒ Yes ☐ No

Explain _____

Part 5 Subsection	Deficiency (Circle)	Summary Description of Sanitary Code Requirement	SDWIS	Status
5-1.23(c)	M	Conspicuous posting of Sanitary Code Section 5-1.23, "Reporting Emergencies."	SF	1
5-1.29	S M	Finished (treated) water used for priming pumps.		4
5-1.30	S M	Redundant disinfection equipment provided.	ND	1
5-1.30 (e)	S	Complies with disinfection waiver provision.	ND	4
5-1.31(a)(3)	S M	Cross connection control program is implemented by supplier of water, including records of all device testing.	SJ	1
5-1.72(c)	S M	Complete daily records of operation of a water system.	09 10	1
5-1.72(d)	S M	Maintain records (e.g., sample results, reports, filter backwash recycle flow information).	09	1
5-1.72(b)	S	System is in compliance with Subpart 5-4. The correct number and level of operator(s) are available during plant operation. System has designated operators of appropriate grade level in responsible charge.	SQ SY 12	1
5-1.73	S M	Provide or have available test kit.		1
App.5-A 3.2.1	S M	Developed well sources sufficient to meet maximum day demand with the largest well out of service.		1
App.5-A 6.1	S	Pumps are accessible for maintenance and 3 feet above the 100 year flood plain.		1
App.5-A.70.3	S M	Water tanks, hatches, roofing, and access ways are watertight, vermin proof, and secure.		1
App.5-A.70.7	S M	Tank overflow terminates 12"-24" above grade with proper screen on outlet.		1
App.5-B.2(d)	S M	Finished grade of well is mounded to divert surface water.		1
App.5-B.5(g)	S	Vented, water tight, vermin proof sanitary seal well cap.	SO	1
App.5-D.3(b)	S M	Well casing in good condition and more than 18" above grade.		1

Chlorine Residual 0.81 mg/l Sample Collection Time 08:45

Point of Collection Entry Point

Chlorine Residual 0.13 mg/l Sample Collection Time 11:00

Point of Collection 23 Split Rock Distribution

Comments Rust + Condensation observed on pipes + filter housing in Tx Room. Per person will provide proposal for pipe replacement + disinfection. For exterior upgrade replacement. Flashing + seal area of storage tank. roof shows signs of deterioration. * roof over Greater run clock at working - work order to fix in progress

Completed by W. Schneider Date 9 / 8 / 20

Received by Tal Smith Date 9 / 8 / 20

Status Codes: 1. No violation observed 2. All or parts of an item in violation 3. Item was not reviewed 4. Item not applicable 5. Item(s) corrected during inspection
Deficiency Codes: S: Significant Deficiency M: Minor Deficiency R: Recommendation

Chapter 1. State Sanitary Code
Part 5. Drinking Water Supplies
Subpart 5-1. Public Water Systems
Statutory Authority: Public Health Law, Section 225
<http://www.health.ny.gov/environmental/water/drinking/regulations>

Instructions for Completion of DOH-4234

1. Provide all information regarding name of facility, facility code, type of inspection, etc.
2. Within the boxes under Status, indicate the "status code explanation" number (1-5). Any items with a violation(s) (Status Code 2) must be entered into SDWIS.
3. Within the boxes under Deficiency, circle the corresponding deficiency code (S, M, R) which must be entered into SDWIS.
4. Describe violation(s) in the comments section of the form.
5. All violations listed on this form must be entered into both the SDWIS Site Visit module and the SDWIS Violation module. All violations listed under Public Health Hazard shall be entered as a significant deficiency in the Site Visit module as well as a violation in the Violation module.

Note to Water System Operator

1. Refer to Subpart 5-1 of the State Sanitary Code (SSC) to review specific requirements.
2. For violations noted under:
 - Standards for Water Wells, refer to Appendix 5-B
 - Special Requirements for Wells Serving Public Water Systems, refer to Appendix 5-D
 - Appendix 5-A, Recommended Standards for Water Works, 2007 Edition

SDWIS/State Water System Sanitary Survey Report Westchester County Health Dept
PWS Name: OAKRIDGE WATER DISTRICT - PWS ID: NY5918395

Basic Information

State PWS Type Code: C-Community water system
Principal County: WESTCHESTER
Activity: A
Federal Primary Source Type: GW-Ground water
System Population: 892
Last Sanitary Survey: September 08, 2020

Federal PWS Type Code: C-Community water system
Principal City:
Owner Type: L-Local Government
State Primary Source Type: GW-Ground water
Total Service Connections: 291

Status Completed

Sanitary Survey Frequency: Every 1 Year(s)

System Level Observations

Source No deficiencies or recommendations
Treatments No deficiencies or recommendations
Distribution System No deficiencies or recommendations
Finished Water Storage Recommendation(s) made
Financial No deficiencies or recommendations

Pumps (fac, cnts, etc.) No deficiencies or recommendations
M and R and Data Verification No deficiencies or recommendations
Management and Operations Recommendation(s) made
Operator Compliance No deficiencies or recommendations
Security No deficiencies or recommendations
Other Not Applicable

Specific Deficiencies

Severity	Category	Detail	Date Identified	Notification Date	Resolution Date	Description
Recommendation	Finished Water Storage	Finished Water Storage and Protection	9/8/2020	10/23/2020		
Severity	Category	Detail	Date Identified	Notification Date	Resolution Date	Description
Recommendation	System Management & Operation	Management, Administration, and Operation	9/8/2020	10/23/2020		

Fascia and flashing of wood/rubber roof, secondary to existing storage tank roof, shows signs of deterioration. Repair Rust and condensation continues to be observed on exterior of piping and filters in treatment room. Operator and town representatives have stated that they plan to address these issues via repainting/replacing of the piping, painting of the exterior of the filter housing, and upgrade to the dehumidifier/ventilation system in the treatment room. Provide a plan indicating timeframe for completion of those activities. Run time clock on generator was not operational at the time of inspection. Operator states that repair order has been submitted. Generator is working at time of inspection. Provide proof of run time clock repair

Persons on site for Sanitary Survey

Daniel Mayorga
Michael J McLaughlin
Tyler Post
Wayne Schneider
Joel Smith

SDWIS/State Water Sample Schedule Report
OAKRIDGE WATER DISTRICT, PWS ID: NY5918395

Due 2020 Contaminant (Group)/ Sample Location/Frequency	Last Compliance	Sample Requirements
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Coliform, Total (RTCR)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Location: Distribution System
Frequency: 1 Sample Monthly | 1 Sample must be collected days 3-9 of every month. |
|--|--|

A positive total coliform (TC+) sample requires notifying the health department and collecting 3 repeat distribution system samples within 24 hours. Unless otherwise directed by the health department source (or raw) water before any treatment, from all active wells, must also be sampled within 24 hours.

Part 5-1.52 Table 9A - Disinfection Byproducts/Stage 2

- | | | |
|---|---------------------------------------|--|
| <input checked="" type="checkbox"/> Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 1 Sample Quarterly
Sample Point: 32 SPLIT ROCK ROAD
Sample Point No.: LRAA1
Sample Point Type: DS-Distribution System | Samples last collected:
08/05/2020 | Sample must be collected days 3-9
of Feb, May, Aug, and Nov |
| <input checked="" type="checkbox"/> Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 1 Sample Quarterly
Sample Point: 163 LAUREL RIDGE
Sample Point No.: LRAA2
Sample Point Type: DS-Distribution System | Samples last collected:
08/05/2020 | Sample must be collected days 3-9
of Feb, May, Aug, and Nov |

Part 5-1.52 Table 8C- Nitrates and Nitrites

- | | | |
|---|----------------------------------|---|
| <input checked="" type="checkbox"/> Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 1 Sample Yearly
Sample Point: ENTRY POINT
Sample Point No.: EP-01
Sample Point Type: EP-Entry Point | Samples collected:
07/16/2019 | Next samples must be collected by
12/31/2020 |
|---|----------------------------------|---|

Part 5-1.42 - Lead and Copper

- | | | |
|---|--|---|
| Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 10 Samples Yearly | 10 Samples Collected on or
Before: 09/24/2020 | Next 10 Samples must be collected between
6/1/2020 and 9/30/2021 |
| Locations: WELL # 2 ID: WL0001
WELL # 4 ID: WL0002
WELL # 5 ID: WL0003
WELL TW # 6 ID: WL086793
WELL # 7 ID: WL0007
Frequency: 1 Sample Every 3 years
Sample Point: ENTRY POINT
Sample Point No.: EP-01
Sample Point Type: EP-Entry Point | Samples last collected:
08/21/2019 | Next sample must be collected by 12/31/2022 |

Part 5-1.52 Table 8B - Primary Inorganic Chemicals

- | | | |
|--|--------------------------------------|---|
| Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 1 Sample Every 3 Years
Sample Point: ENTRY POINT
Sample Point No.: EP-01
Sample Point Type: EP-Entry Point | Sample last collected:
09/25/2018 | Next sample must be collected by 12/31/2021 |
|--|--------------------------------------|---|

Part 5-1.52 Table 8D - Secondary Inorganic Chemicals

- | | | |
|--|--------------------------------------|--|
| Location: DISTRIBUTION SYSTEM ID: DS0001
Frequency: 1 Sample Every 3 Years
Sample Point: ENTRY POINT
Sample Point No.: EP-01
Sample Point Type: EP-Entry Point | Sample last collected:
09/25/2018 | Next samples must be collected by 12/31/2021 |
|--|--------------------------------------|--|

SDWIS/State Water Sample Schedule Report
OAKRIDGE WATER DISTRICT, PWS ID: NY5918395

Due Contaminant (Group)/	Last Compliance	Sample Requirements
2020 Sample Location/Frequency		

Part 5-1.52 Table 9B - Principal Organic Chemicals

Location: WELL # 2 ID: WL0001 Frequency: 1 Sample Every 3 Years Sample Point: WELL # 2 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 09/25/2018	Next sample must be collected by 12/31/2021
Location: WELL# 4 ID: WL0002 Frequency: 1 Sample Every 3 Years Sample Point: WELL # 4 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 09/25/2018	Next sample must be collected by 12/31/2021
Location: WELL# 5 ID: WL0003 Frequency: 1 Sample Every 3 Years Sample Point: WELL # 5 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 09/25/2018	Next sample must be collected by 12/31/2021
Location: WELL# 6 ID: WL086793 Frequency: 1 Sample Every 3 Years Sample Point: WELL #6 TAP (WELL # 2 WELLHOUSE) Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 09/25/2018	Next sample must be collected by 12/31/2021
Location: WELL # 7 ID: WL0007 Frequency: 1 Sample Every 3 Years Sample Point: WELL # 7 TAP Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 09/25/2018	Next sample must be collected by 12/31/2021

Part 5-1.52 Table 9C - Synthetic Organic Chemicals

Location: WELL # 2 ID: WL0001 Frequency: 1 Sample Every 3 years Sample Point: WELL # 2 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 10/25/2018	Next sample must be collected by 12/31/2021
Location: WELL# 4 ID: WL0002 Frequency: 1 Sample Every 3 years Sample Point: WELL # 4 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 10/25/2018	Next sample must be collected by 12/31/2021
Location: WELL# 5 ID: WL0003 Frequency: 1 Sample Every 3 years Sample Point: WELL # 5 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 10/25/2018	Next sample must be collected by 12/31/2021
Location: WELLTW # 6 ID: WL086793 Frequency: 1 Sample Every 3 years Sample Point: WELL #6 TAP (WELL # 2 WELLHOUSE) Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 10/25/2018	Next sample must be collected by 12/31/2021
Location: WELL # 7 ID: WL0007 Frequency: 1 Sample Every 3 years Sample Point: WELL # 7 TAP Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 10/25/2018	Next sample must be collected by 12/31/2021

SDWIS/State Water Sample Schedule Report
OAKRIDGE WATER DISTRICT, PWS ID: NY5918395

Due Contaminant (Group)/	Last Compliance	Sample Requirements
2020 Sample Location/Frequency		

Part 5-1.52 Table 12 - Radiological

Location: WELL # 2 ID: WL0001 Frequency: 1 Sample Every 3 years Sample Point: WELL # 2 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 03/28/2019	Next sample must be collected by 12/31/2022
Location: WELL# 4 ID: WL0002 Frequency: 1 Sample Every 3 years Sample Point: WELL # 4 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 03/28/2019	Next sample must be collected by 12/31/2022
Location: WELL# 5 ID: WL0003 Frequency: 1 Sample Every 3 years Sample Point: WELL # 5 Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 03/28/2019	Next sample must be collected by 12/31/2022
Location: TW WELL# 6 ID: WL086793 Frequency: 1 Sample Every 3 years Sample Point: WELL #6 TAP (WELL # 2 WELLHOUSE) Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 03/28/2019	Next sample must be collected by 12/31/2022
Location: WELL # 7 ID: WL0007 Frequency: 1 Sample Every 3 years Sample Point: WELL # 7 TAP Sample Point No.: SP-01 Sample Point Type: RW-Raw Water Source	Samples last collected: 03/28/2019	Next sample must be collected by 12/31/2022
Location: DISTRIBUTION SYSTEM ID: DS0001 Frequency: 1 Sample Every 3 Years Sample Point: ENTRY POINT Sample Point No.: EP-01 Sample Point Type: EP-Entry Point	Sample last collected 04/19/2019	Next sample must be collected by 12/31/2022

