COMMONWEALTH of VIRGINIA

B. Cameron Webb, MD, JD
State Health Commissioner

DEPARTMENT OF HEALTH

OFFICE OF DRINKING WATER

Richmond Field Office

Madison Building
109 Governor St., 6th floor
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System Sanitary Survey Report

July 6, 2026

To: Stuart Turille
Louisa, Town Of
219 East Main Street
Louisa, VA, 23093

SUBJECT: Louisa County
Waterworks: Louisa, Town Of
PWSID: VA2109450

Survey Date: June 18, 2026

Next Survey Due By: June 18, 2029

Present at Survey:

Name	Organization
Lydia Belser	VDH- Office Of Drinking Water
Lyndsey Mccauley	VDH- Office Of Drinking Water
Meredith Lynn	VDH- Office Of Drinking Water
Sadie Call	VDH- Office Of Drinking Water
Anthony Larry	Town Of Louisa

Reviewer: Toby Bryant

As a result of the sanitary survey noted above, the Office of Drinking Water offers the following comments. Should you have questions or desire to discuss our findings, please contact us at 804-910-6111 or Lydia.Belser@vdh.virginia.gov.

ACCOLADES:

We would like to offer the following accolades to recognize exceptional performance at your waterworks:

SIGNIFICANT DEFICIENCIES:

There were no significant deficiencies at the time of this inspection.

MINOR DEFICIENCIES:

The Virginia Waterworks Regulations require your waterworks to complete the following actions. Failure to complete these actions by the specified dates may result in a Notice of Alleged Violation.

Section	Recommendations
Distribution System	Our records indicate that we do not have the most up to date records of cross connections or annual cross connection backflow testing. Please submit these to our office as soon as possible after annual testing has been completed.
Distribution System	The most current Cross Connection Control Program was approved on 10/26/1997 and is not in line with current regulations. Complete the Cross Connection Control Plan (CCCP) for your waterworks found at this web address: (www.vdh.virginia.gov/drinking-water/cross-connection-control/). Send the completed document to our office by December 31, 2026.

RECOMMENDATIONS:

There were no recommendations at the time of this inspection.

Please review the attached summary of required sampling and visit our web site at http://www.vdh.virginia.gov/ODW/. There you will find helpful information on water sampling and testing, operator licensing and training, consumer education, project funding and **many other topics, as well as, links to other key websites and Virginia's *Waterworks Regulations*.**

Survey By:

Lydia Belser

Lydia Belser
Env Health Spec Sr

Attachments:
a. Field Report

ec:

Cody Langridge, Pws Operations, LLC
Anthony Larry, Town of Louisa
Louisa County Health Department
Louisa County Administrator

Public Water System Site Visit

PWS ID: VA2109450	PWS Name: LOUISA, TOWN OF		
Source Type: SWP	System Type: C	Population: 1555	Local Name:
County: LOUISA COUNTY	City:	Last Sanitary Survey Date: 11/8/2023	

Service Area Characteristic Code	Name
R	RESIDENTIAL AREA

Service Connections	Name	Count
Commercial	Unknown	872

Points of Contact

Name (Job Title)	POC Type	Address	Phone	Email
LANGRIDGE, CODY OPERATOR	DO	497 Harris Creek Road		cody@pws-ops.com
TURILLE, STUART TOWN MANAGER	AC	219 East Main Street P.O. Box 531	540-603-6147	sturille@louisatown.org
LARRY, ANTHONY SUPERINTENDENT	OP	219 E.Main Stree	540-967-1400	utility@louisatown.org
LOUISA, TOWN OF	OW	219 East Main Street P.O. Box 531	540-967-1400	

Active Water System Facilities

Active WS Facilities Type Name	WS Facility ID	Active Sample Point Name
LOUISA COUNTY WATER AUTHORITY	CC001	
DISTRIBUTION SYSTEM	DS001	LCR01,LCR35,LCR34,LCR33,LCR32,LCR02,LCR04,LCR05,LCR08,LCR09,LCR10,TCR01,LCR23,LCR24,LCR11,LCR14,LCR17,DS001,DBP02,LCR26,DBP05,LCR18,LCR19,LCR21,LCR20,LCR22,DS002,DS003,DS004,LCR28,LCR29,LCR30,LCR31
ACME ELEVATED TANK	ST001	
LOUISA ELEVATED TANK	ST002	

Compliance Schedules

Schedule Closed Date	Schedule Effective Date	Schedule Id	Schedule Status Code	Schedule Status Date	Schedule Type
1/1/0001 12:00:00 AM	5/19/2025 12:00:00 AM	45	F	1/1/0001 12:00:00 AM	FOLL
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN
1/1/0001 12:00:00 AM	6/7/1982 12:00:00 AM	19	F	3/19/2019 12:00:00 AM	PLAN

Compliance Schedule Activities

Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
6/2/2025 12:00:00 AM	Provide response to after action memo from BWA during week of May 11, 2025. JR 5.19.25 Emailed 7/2 and 8/18 asking for update	6/19/2025 12:00:00 AM	FOLLOW UP	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
10/26/1977 12:00:00 AM		10/26/1977 12:00:00 AM	VAPLAN CROSS-CONN. APPROVED	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
3/25/2008 12:00:00 AM		3/25/2008 12:00:00 AM	Z-NOUSE IDSE PLAN APPROVED	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
3/24/2008 12:00:00 AM		3/24/2008 12:00:00 AM	Z-NOUSE ST1 MONITORING PLAN APPROVED	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
6/15/1988 12:00:00 AM		6/15/1988 12:00:00 AM	Z-NOUSE LEAD NOTICE DATE	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
3/7/2016 12:00:00 AM		3/7/2016 12:00:00 AM	VAPLAN RTCR BSSP	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
11/18/2009 12:00:00 AM		11/18/2009 12:00:00 AM	Z-NOUSE BSSR/TSWMP	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
10/2/2013 12:00:00 AM		10/2/2013 12:00:00 AM	VAPLAN ST2 MONITORING PLAN APPROVED	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
6/25/2018 12:00:00 AM		6/25/2018 12:00:00 AM	VAPLAN LCR SAMPLE SITE REPORT	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM
Activity Achieve Date	Activity Comment	Activity Due Date	Activity Name	Activity Projected Date	Activity Reported Date
2/3/2010 12:00:00 AM		2/3/2010 12:00:00 AM	Z-NOUSE IDSE REPORT	1/1/0001 12:00:00 AM	1/1/0001 12:00:00 AM

Treatment Processes

There is no Treatment Process data.

TCR And Non-TCR Monitoring Schedules

Routine Schedule Analyte or Group	WSF Name	Frequency	Begin Date
COLIFORM (TCR)	Distribution System	2 RT per MN	12/1/2013
TTHM/HAA5	DISTRIBUTION SYSTEM	2 RT per QT	1/1/2025
PBCU	DISTRIBUTION SYSTEM	10 RT per 3Y	1/1/2022

Water Facility Monthly Testing

Monthly Analyte	WSF Name	Count Per Day	Level Type	Level	Unit Of Measure	Begin Date
CHLORINE	DISTRIBUTION SYSTEM	0	MAX	4.00	MG/L	1/1/2019

TCR Positives in Last 24 Months

Sample ID	Date Collected	Sample Type	Sample Point Name	Analyte
TLSS2_100825	10/8/2025 12:00:00 AM	SP	DISTRIBUTION SYSTEM POINT	COLIFORM (TCR)
TLSS1_100825	10/8/2025 12:00:00 AM	SP	DISTRIBUTION SYSTEM POINT	COLIFORM (TCR)

Violations in Last Five Years

Facility	Violation Type	Analyte Name	Violation Begin Date	Violation End Date
DISTRIBUTION SYSTEM	MCL, LRAA	TOTAL HALOACETIC ACIDS (HAA5)	10/1/2025	12/31/2025
DISTRIBUTION SYSTEM	MCL, LRAA	TOTAL HALOACETIC ACIDS (HAA5)	7/1/2025	9/30/2025
DISTRIBUTION SYSTEM	MCL, LRAA	TOTAL HALOACETIC ACIDS (HAA5)	1/1/2026	3/31/2026

Unresolved Deficiencies

CODE (NAME)	Visit Date	Identified Date	WSF	Category	Severity
DS06	6/18/2026 12:00:00 AM	11/8/2023 12:00:00 AM	DISTRIBUTION SYSTEM	DS	MIN
DS03	6/18/2026 12:00:00 AM	11/8/2023 12:00:00 AM	DISTRIBUTION SYSTEM	DS	MIN

Sanitary Survey Report

Distribution

DISTRIBUTION SYSTEM

1	**Is the CCCP maintained by an individual designated in responsible charge of the CCCP by the owner?**	✓
3	**Does the waterworks have adequate and up to date records of all cross connections , all required annual testing of installed backflow prevention devices, and records of assessments of all connections?**	MIN Deficiency
4	**Are CCCP records retained for 10 years?**	✓
5	**CCCP evaluated every 5 years and updated if necessary to meet the requirements of section 600 of the regs**	MIN Deficiency
6	**CCCP plan document date or approval date is 2022 or more recent? (in compliance with 2021 regs)** The most current Cross Connection Control Program was approved on 10/26/1997 and is not in line with current regulations. Complete the Cross Connection Control Plan (CCCP) for your waterworks found at this web address: (www.vdh.virginia.gov/drinking-water/cross-connection-control/). Send the completed document to our office by December 31, 2026.	MIN Deficiency
7	**Is the vault drain/sump pump functioning? (is there evidence of standing water?)**	✓
8	**If the meter is a consecutive connection, Is there an operable sample tap?**	✓
9	**Are operators able to safely enter the vault for inspection, maintenance and repairs? (adequate ladder, confined space equipment and training if applicable)**	✓
10	**Is access to the vault / chamber locked or otherwise secured?**	✓
11	**Is there bypass piping and isolation valves available for master meter maintenance?**	✓
12	**Are there operable pressure gauges present? (for PRV or altitude valve)**	✓
13	**Are air and vacuum relief valves routinely checked to ensure that ports are properly installed to prevent against cross connections? (not subject to flooding, downward facing, and screened)**	✓
14	**Is the meter in the vault operational? (recommend recording meter reading in comments)** Meter not readable from vault hatch opening.	✓

15	**Are individual service meters provided for all connections?**	✓
16	**Is a service meter calibration and replacement program in effect?** Yes, in progress	✓
17	**Is a flushing program in place? (unidirectional preferred)** Yes. Operator indicated that unidirectional flushing was just completed.	✓
18	**Is an isolation valve exercising program in place?**	✓
19	**No evidence of less than 20 psi at service connections or other pressure problems?** System has history of main breaks, but no active breaks or loss of pressure during inspection.	✓
20	**Does the waterworks follow ODW guidelines for disinfection, sampling, and Boil Water Advisories following a main repair (see ODW Field Manual)?**	✓
21	**Are water audits (water loss/leakage calculation) routinely performed?** MORS report unaccounted water loss	✓
22	**Was the average leakage (real losses) over the past 12 months less than or equal to 30%?**	✓
23	**Are fire flow tests routinely performed and communicated to the waterworks?** Annual fire flow testing completed by CHA.	✓
25	**Are plans, sketches, or maps with valve & master meter locations available?**	✓
26	**Inspected records of repairs, flushing, hydrant testing, and water audits, and confirmed that they are addequate and maintained (kept) for at least 5 years?** Not inspected	MIN Deficiency

Finished Water Storage

ACME ELEVATED TANK

1	**Is the access ladder locked from unauthorized access?**	✓
2	**Has the waterworks provided documentation to verify the vent is properly shielded and screened with #24 mesh?** Yes, in tank inspection report from May 2026, per operator.	✓
3	**Has the waterworks provided documentation that the entrance hatch is locked and a shoebox style or otherwise protected from the entrance of water?** Yes, in tank inspection report from May 2026, per operator.	✓
4	**Are pictures of the tank interior provided? Are there indications of problems? (Floating debris, deteriorated lining, corrosion evident, excess sediment, etc.)** In May 2026 tank inspection report.	✓

5	**Does the tank have a functioning drain with a protected outlet?**	✓
6	**Does the tank have an overflow affixed with a screen adequate to prevent entry of pests or a duckbill, and an air gap with a splash pad/sanitary drain?**	✓
7	**Is the sidewall access and all other access locked/bolted?**	✓
8	**Is access to the storage tank facility fenced and locked, or located within a greater secure area? (fence and lock in good condition)**	✓
9	**Are all other tank openings curbed, sleeved, watertight and freeze protected?**	✓
10	**Does the waterworks have an effective routine tank inspection and preventative maintenance program in place?** Annual tank inspection per operator	✓
11	**Does the waterworks have an adequate strategy to monitor and maintain tank water quality? (preventing issues due to stratification, water age, nitrification, etc.)** High tank turnover, annual tank inspection	✓
12	**Is the tank mixer/aerator functioning adequately?**	✓
13	**Is tank level control adequate? (pressure maintained, high/low alarms if needed, level recorded)**	✓
14	**Are operators familiar with tank levels necessary to maintain 20 psi, 1/2 day storage, and provide target fire flow for target duration?**	✓
15	**Is adequate corrosion control in place? (exterior coating in good condition, cathodic protection operable, ringwall seal intact)**	✓
16	**Is operator safety adequately provided? (ladder safety system in good condition, operators trained and adequately equipped, no other hazards)**	✓
17	**Is access to the storage tank maintained? (lot mowed/kept up, road maintained)**	✓
18	**Is surface water diverted from the tank?**	✓
28	**No other issues with tank or associated appurtenances**	✓

1	**Is the access ladder locked from unauthorized access?**	✓
2	**Has the waterworks provided documentation to verify the vent is properly shielded and screened with #24 mesh?** Yes, in May 2026 tank inspection report per operator.	✓
3	**Has the waterworks provided documentation that the entrance hatch is locked and a shoebox style or otherwise protected from the entrance of water?** Yes, in May 2026 tank inspection report per operator.	✓
4	**Are pictures of the tank interior provided? Are there indications of problems? (Floating debris, deteriorated lining, corrosion evident, excess sediment, etc.)** No issues, in May 2026 tank inspection report per operator.	✓
5	**Does the tank have a functioning drain with a protected outlet?**	✓
6	**Does the tank have an overflow affixed with a screen adequate to prevent entry of pests or a duckbill, and an air gap with a splash pad/sanitary drain?**	✓
7	**Is the sidewall access and all other access locked/bolted?**	✓
8	**Is access to the storage tank facility fenced and locked, or located within a greater secure area? (fence and lock in good condition)**	✓
9	**Are all other tank openings curbed, sleeved, watertight and freeze protected?**	✓
10	**Does the waterworks have an effective routine tank inspection and preventative maintenance program in place?** Annually, per operator	✓
11	**Does the waterworks have an adequate strategy to monitor and maintain tank water quality? (preventing issues due to stratification, water age, nitrification, etc.)** High turnover and annual tank inspection	✓
12	**Is the tank mixer/aerator functioning adequately?**	✓
13	**Is tank level control adequate? (pressure maintained, high/low alarms if needed, level recorded)**	✓
14	**Are operators familiar with tank levels necessary to maintain 20 psi, 1/2 day storage, and provide target fire flow for target duration?**	✓
15	**Is adequate corrosion control in place? (exterior coating in good condition, cathodic protection operable, ringwall seal intact)**	✓
16	**Is operator safety adequately provided? (ladder safety system in good condition, operators trained and adequately equipped, no other hazards)**	✓

17	Is access to the storage tank maintained? (lot mowed/kept up, road maintained)	✓
18	Is surface water diverted from the tank?	✓
28	No other issues with tank or associated appurtenances	✓

MR Data Verification

1	BSSP appropriate for the population served, sample sites used, and extent of the distribution system	✓
2	Does the waterworks correctly rotate sites, use all approved sites, and not use unapproved sites? (verify collection addresses are from approved sites since the last inspection)	✓
4	Does the waterworks have written procedures for notifying groundwater wholesalers of total coliform positive results?	✓
5	Does the DDBP Monitoring Plan include the correct number of samples, frequency, and appropriate sample locations where maximum DBP formation is expected?	✓
6	Does the LCR Plan include the correct number of samples, frequency, and appropriate sample locations based on the Tiered criteria?	✓
8	Have all MORs been submitted in the last 12 months?	✓
9	Are all required operational treatment parameter monitoring and other information reported?	✓
19	Can the operator/sampler identify the correct sample locations and do they have access to approved monitoring plans (raw, entry point, process control, WQPs, DBPs, total coliform, lead and copper?)	✓
21	Does the operator/sampler otherwise demonstrate sufficient knowledge of sampling requirements?	✓
23	Review of SDWIS, MOR, field samples, and daily log water quality sampling results free of evidence of potential sampler error, potential data falsification, or other data problems?	✓
43	Public Notices and Certification Forms submitted and are up to date in SDWIS	✓

Management and Operation

1	**Are the waterworks facilities and appurtenances in good operating condition? (source, treatment, and distribution facilities without defect) (triennial assessment - mandatory question)**	✓
2	**Does the system meet Waterworks Regulations design and construction standards? (unpermitted construction or modification) (triennial assessment - mandatory question)**	✓
3	**Does the waterworks meet all established National Primary Drinking Water Standards, and has taken action to prevent recurrence of past violations? (triennial assessment - mandatory question)**	✓
4	**Did the owner issue Public Notice if required?**	✓
5	**Has the waterworks either not received significant deficiencies, or completed timely correction of all significant deficiencies? (triennial assessment - mandatory question)** Only minor deficiencies since last inspection	✓
6	**Did the waterworks address recommendations from recent sanitary surveys? (triennial assessment - mandatory question)**	No Severity
7	**Free of complaints since the last inspection? (explain or summarize any complaints reported to ODW or the waterworks in the comments)** Complaints about turbidity/sediment and color occasionally during low use months	No Severity
8	**Does the waterworks have a written policy for responding to customer complaints? (triennial assessment - mandatory question)**	✓
9	**Does the waterworks have an emergency response plan that has been tested and is routinely updated?** Emergency response plan approved 01/25/2013	✓
16	**Is the Emergency Management Plan for Extended Power Outage current?** Approved 01/25/2013	✓
17	**Waterworks is aware of VA WARN (if not, inform the waterworks that this network can aid waterworks in response to emergencies, see vawarn.org)**	REC Deficiency
18	**Waterworks is a member of VA WARN**	REC Deficiency
19	**Are all plans and reports up to date and implemented (eg. BSSP, LCR Plan, CCCP, CCR, Sampling, etc.)? (triennial assessment - mandatory question)** CCR is outdated	No Severity
20	**Does the waterworks have sufficient licensed operator coverage for sick leave and vacation? (triennial assessment - mandatory question)**	✓

21	**No problems with personnel turnover**	✓
22	**Are there records of an active ongoing staff training program? (staff should review the training plan records)**	✓
23	**Have all operators attended a technical training seminar or conference at least once per year, over the past 3 years? (triennial assessment - mandatory question)**	✓
24	**Did operators appear to be adequately trained for their roles?**	✓
25	**Is there an active safety program?**	✓
26	**Clear lines of communication established with managers, plant and system operators?**	✓
27	**Is the system's management generally responsive to operator requests for training, equipment, or other needs?**	✓
28	**Does the waterworks have records demonstrating that preventative maintenance tasks are scheduled and performed?**	✓
29	**Does the waterworks have a written Asset Management Plan? (triennial assessment - mandatory question)**	REC Deficiency
31	**Does the waterworks have a written Capital Improvement Plan? (triennial assessment - mandatory question)**	REC Deficiency
32	**Is a reserve fund established to cover necessary replacements or Capital Improvements? (triennial assessment - mandatory question)**	REC Deficiency
34	**Does the waterworks have at least 45 days cash on-hand to cover expenses? (triennial assessment - mandatory question)**	✓
35	**Is the waterworks budget independent from subsidization by general funds, sewer funds or other funding sources? (triennial assessment - mandatory question)**	✓
36	**Have the waterworks' rates been adjusted in the past three years? (triennial assessment - mandatory question)**	REC Deficiency
37	**Does the waterworks have a WBOP that is up to date and implemented?**	MIN Deficiency
38	**Are all service connections equipped with operational meters and is there a water accountability program in place? (triennial assessment - mandatory question)**	✓

39	**Did the waterworks consistently operate within 80% of its permitted capacity? (not exceeded for 3 consecutive months) (triennial assessment - mandatory question)**	✓
40	**Has the waterworks operated within their Operation Permit capacity since the last inspection? (if not, explain in comments)**	✓
44	**Has the waterworks implemented Operational Technology (OT), such as SCADA, industrial controls systems (ICS), building management systems, fire control systems, and physical access control systems? (If yes, update SDWIS OT indicator to reflect)**	✓
45	**Does the waterworks routinely perform cybersecurity assessments and address gaps identified?**	REC Deficiency
46	**No other management and operations issues noted during the survey.**	✓
10	**Does the Emergency Response Plan include background information with a system description and diagram (including facility addresses), and is it up to date?** Records not inspected this visit.	Not Applicable
11	**Does the Emergency Response Plan include hazard analysis (recommend that analysis is performed with locality emergency manager) that addresses adverse weather events?** Records not inspected this visit.	Not Applicable
12	**Does the Emergency Response Plan include an emergency contact list including all critical emergency contacts (recommend including all contacts from the Waterworks Emergency Response Plan Template available on the ODW website)?** Records not inspected this visit.	Not Applicable
13	**Does the Emergency Response Plan include action plans to address all risks identified in the hazards analysis? (recommend using EPA hazards specific checklists)?** Records not inspected this visit.	Not Applicable
14	**Does the Emergency Response Plan include a Continuity of Operations plan, specifically roles and responsibilities?** Records not inspected this visit.	Not Applicable
15	**Does the Emergency Response Plan include advisory (BWA, etc.) templates and procedures for non-english speaking populations?** Records not inspected this visit.	Not Applicable
30	**Have all item in the Asset Management Plan been completed by the specified deadlines? (staff should review the Asset Management Plan to evaluate)**	Not Applicable
33	**Have all item in Capital Improvements Plan been completed by the specified deadlines? (staff should review the Capital Improvements Plan to evaluate)**	Not Applicable
41	**Is treatment plant staffing in accordance with the Waterworks Regulations? (Is the number of adequately licensed operators adequate to run the plant as needed considering sick leave, vacation, etc., attended adequate number of days per week)** No treatment plant	Not Applicable

43 **Records retained in accordance with the Retention and Disposition Schedule of the Library of Virginia, General Schedule No. 7 for public utility records of county and municipal governments** — Not Applicable

Not inspected this visit

Operator Compliance

1 **Does the designated operator have an unexpired Virginia DPOR waterworks operator license of at least the same class as the waterworks?** ✓

Name: LANGRIDGE, CODY SPENSER
License Number: 1955007620
License Description: Waterworks Operator License
Rank: Waterworks Operator Class 1
Expiration: 2027-02-28

Other

1 **Enter into comment field the number of hours spent (number only) on this survey, including preparation, travel, time on site, and report writing.** ✓

5

2 **Is the waterworks Operation Permit up-to-date? (if no, describe changes needed in comments)** ✓

3 **Is the Waterworks Description Sheet up-to-date? (if no, describe changes needed in comments)** ✓

4 **Is SDWIS inventory data current? (update while in the field if possible, or note changes needed in comments to update upon returning to the office)** ✓

5 **SDWIS data review - No unaddressed exceedances (PMCL, SMCL, AL, OEL, etc.) If an exceedance was not indicated by a SDWIS compliance report, log in the SDWIS issue log at Y:\13-Manuals\09-Data Management Manual\SDWIS** ✓

DBP OEL exceedances Q1-Q4 of 2025. OEL reports submitted on time.

6 **SDWIS Data Review - Sample schedule types, frequencies, and number of samples correct** ✓

7 **SDWIS Violation & Enforcement Action data current?** ✓

Violations for TTHM exceedances, waterworks has been compliant with PN and Violation aspects

8 **No other safety issues or concerns noted during the inspection** ✓

CHEMICAL TEST RESULTS:

	PH	Cl (Free)	Cl (Total)	AIK	Hard	Turb	F	Fc	Mn	Al	P	Color	Temp
Raw													
Primary													
Applied													
Finished													

FINISHED WATER STABILITY:

	PH	Alkalinity	Ca Hardness	TDS/Conductivity	Chlorides	Sulfates
Treated Sample						
Tap Sample						

Results: The water is ____________________ mg/l (scale forming or corrosive)

CT CALCULATIONS:

	UNIT NAME	RESIDUAL TYPE	DESINFECTANT RESIDUAL	DETENTION TIME (T10)	CT calc	pH	CT 99.9	CT calc % CT 99.9
CT1	Primary Rapid Mix							
CT2	Primary Floc							
CT3	Primary Settling							
CT4	Recarbonation Basin							
CT5	2nd Rapid Mix							
CT6	2nd Floc							
CT7	2nd Settling							
CT8	2nd Recarbonation							
CT9	Filters							
CT10	ClearWell							
CT other								
CT credit								0.83
TOTAL								

Basic Inventory Comments

Parties Present/Point Of Contact Comments

Site Visit Observation Comments

Site Visit Observation Comments