BEFORE THE

### WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

UW-240151

CASCADIA WATER, LLC

September 26, 2024

Direct Exhibit of Culley J. Lehman

CAL WATERWORKS SANITARY SURVEY 2023

Exh. CJL-6

Exh. CJL-6 Page 1 of 19



#### STATE OF WASHINGTON DEPARTMENT OF HEALTH NORTHWEST DRINKING WATER REGIONAL OPERATIONS PO BOX 47800 ATTN: MS K17-12 OLYMPIA, WA 98504-7800

May 3, 2023

Cully Lehman culley@cascadiawater.com

Subject: CAL Waterworks ID# 31040 Island County 2023 Sanitary Survey

### Dear Cully Lehman:

Thank you for your time and attention during your recent sanitary survey. This report documents the information collected during the survey. Defects in your water system facilities or operations that need your immediate attention are listed below as *Significant Deficiencies* or *Significant Findings*. <u>You must</u> complete the corrective action on these by June 17,2023.

After completing, email verification of completion, including photographs and supporting narrative to Carmen Tupas at <u>nwro.sanitarysurveys@doh.wa.gov</u> or mail to the address above in the letterhead. Please include your water system name, ID number and the date when you corrected the deficiencies. Ensuring your water system completes each corrective action is a high priority for the Office of Drinking Water. Failure to complete each of these corrections within the designated time may result in enforcement action. If you believe you need additional time to correct any defect, contact me at (253) 395-6752. Please explain your need for additional time.

### Significant Deficiencies – potential significant public health risks.

• Submit photos (less than 12 months old) of the reservoir hatch and a vent. The photos must show enough detail to determine whether these features protect the storage tank against entry of contaminants. At a minimum, provide photos of the: hatch in the open and closed position showing the gasket and the lock, vent showing the overall vent structure and the screen material, any other tank penetrations on the top of the reservoir.

Significant Findings - Defects in your facilities or operations that need immediate attention.

• None

### <u>**Observations**</u> - to notify you of other violations of drinking water rules.

- Consider extending the overflow closer to the ground to facilitate screen inspection and/or replacement. We recommend that the overflow discharge about 24 inches above grade onto a splash plate or other structure to prevent erosion and damage of property.
- Finish up installation of residential water meters to facilitate water use calculations.
- Develop the legal authority to implement cross-connection control program and employ a certified cross-connection control (CCC) specialist to conduct a hazard assessment of all service

Exh. CJL-6 Page 2 of 19

CAL Waterworks ID# 31040 May 3, 2023 Page 2

connections. Ensure that the appropriate CCC device is installed on the service line of each high health hazard premises.

• Consider replacing the reservoir to prevent water loss.

**<u>Recommendations</u>** – to improve your technical, managerial, or financial capacity.

• None

Please note that failing to correct a Significant Deficiency or Significant Finding or addressing it with an action plan by the designated due date will result in a Treatment Technique Violation.

Thank you for your cooperation in the successful completion of the sanitary survey. Your water system met the requirements in WAC 246-290-416. Your next sanitary survey will be in 2028. Please note that you should not interpret satisfying the requirements of a sanitary survey as meeting other applicable local, state or federal statutes, ordinances, or regulations.

If you have any questions or need additional information, please call me at (253) 395-6752 or email to <u>nwro.sanitarysurveys@doh.wa.gov</u>

Sincerely,

annen Jupos

Carmen Tupas Office of Drinking Water Washington State Dept. of Health

Enclosures: Survey Report

ecc: Aneta Hupfauer, PhD. ICHD Alexis Medina, DOH Krista Chavez, DOH

Exh. CJL-6 Page 3 of 19

Office of Drinking Water Third Party Sanitary Survey Form (Checklist)							
System Name:	(	CAL Waterwork	s			Survey Date:	3/28/23
PWS ID#:	31040	)	County:	Island		System Type:	Community
Persons Attending Inspection:		Culley Lehman – Cascadia Water, Operator					
			Alexis Medina – Drinking Water Office, Washington State Department of Health				
Inspector's Na	ne:	Aneta Hup	fauer – Islar	nd County Public He	ealth		

#### PART A: SUMMARY OF SIGNIFICANT DEFICIENCIES AND SIGNIFICANT FINDINGS

The following is a completed sanitary survey checklist and summary of inspection findings. This completed sanitary survey checklist is the basis for the cover letter you receive from your local health jurisdiction or from the WA Dept. of Health (DOH). The cover letter documents any significant deficiencies or significant findings that must be corrected. The cover letter may also summarize observations concerning compliance with certain rules, and offer recommendations you can use to make improvements to the operation and management of your water system. Contact your DOH regional office with any questions you have about this survey.

**Bolded and highlighted** checklist items represent <u>significant deficiencies</u> that, if left uncorrected, create a significant public health risk. Highlighted checklist items represent <u>significant findings</u> that, if left uncorrected, create a significant risk to the physical safety, security, or reliability of the public drinking water supply. You will be required to take some sort of corrective action for each checklist answer that is **bolded and highlighted**, or highlighted.

Significant deficiencies and significant findings identified during this sanitary survey:

Submit photos (less than 12 months old) of the reservoir hatch, vent and overflow outlet. The photos must show enough detail to determine whether these features protect the storage tank against entry of contaminants. At a minimum, provide photos of the: hatch in the open and closed position showing the gasket and the lock, vent showing the overall vent structure and the screen material, overflow discharge, any other tank penetrations on the top of the reservoir.

Significant deficiencies or significant findings identified in the previous sanitary survey that remain unaddressed:

Observations and recommendations identified during this survey

Consider extending the overflow closer to the ground to facilitate screen inspection and/or replacement. We recommend that the overflow discharge about 24 inches above grade onto a splash plate or other structure to prevent erosion and damage of property.

Finish up installation of residential water meters to facilitate water use calculations.

331-487-F (1/2017)

Develop the legal authority to implement cross-connection control program and employ a certified cross-connection control (CCC) specialist to conduct a hazard assessment of all service connections. Ensure that the appropriate CCC device is installed on the service line of each high health hazard premises.

Consider replacing the reservoir to prevent water loss.

#### PART B: GENERAL WATER SYSTEM DESCRIPTION

Provide a general description of the water system including changes, updates, connections, source(s), storage, number of pressure zones, treatment, and control system(s) and alarm(s). Make corrections and updates to the purveyor's water facilities inventory form (WFI).

- Community water system approved for 121 connections with 100 connections currently active;
- System consists of two drilled well sources, a 41,000 gallon octagonal concrete reservoir, two sets of booster pumps and pressure tanks and two pressure distribution systems (upper and lower);
- System also provides wholesale water, through an intertie, to the Goss Lakeridge Acres Association;
- System located in the low risk with regard to seawater intrusion rating;

PAR	PART C: OPERATIONS and MANAGEMENT				
1. W pres	/as the system operator, who is most knowledgeable about the system's day-to-day operations, ent for the survey?	Yes No NA			
2. W	/ere water system records available for your review?	Yes No Partial			
3. H Wate	as the purveyor developed and implemented either a Small Water System Management Program or a er System Plan?	Yes No			
3a. If no, are the following planning documents complete and up to date:					
	Service Area and Facility Map	Yes No Partial			
	Cross-Connection Control Program	Yes No Partial			
	Source Water Protection Program	Yes No Partial			
	Emergency Response Plan	Yes No Partial			
	Operation and Maintenance Program	Yes No Partial			
	Coliform Monitoring Plan	Yes No Partial			
	Component Inventory and Assessment	Yes No Partial			
	Asset Replacement and Other System Improvements	Yes No Partial			
	Budget	Yes No Partial			
4. D	oes the purveyor plan to make capital improvements in the next 1-3 years? If yes, describe below	Yes No			
5. Is	there a backup operator available if the regular one is not available? If yes, provide contact info below	Yes No			
6. W	/ere the water system's current and future water quality monitoring requirements reviewed?	Yes No			
7. W	/as water quality sample results and trends reviewed with the purveyor?	Yes No			
8. D	oes the system have emergency power?	☐Yes ⊠No			
9. D	oes the system experience frequent power outages (>2 per year)? If yes, explain below	Yes 🛛 No			
10.	Does the system experience frequent water outages (>2 per year)? If yes, explain below	Yes 🛛 No			
11.	Does there appear to be adequate reliability provided for this system? If no, explain below	Yes No			

Describe the general level of planning and management documents developed by this water system and any recommendations for additional development, including updates, system management practices and processes, water rates, etc.

Item 4: The owner is getting ready to replace a reservoir, a pump house and in general to upgrade the system. Item 5: System is owned and managed by Cascadia Water, with Culley Lehman as certified operator of record and several certified operators as a backup.

PART D: SOURCES	(This pa	ge may be reproduced t	to add more sources)
12. Did you observe a source connected t	VFI and in active use?	Yes 🛛 No	
12a. If so, has the source received wr	ost-survey)	Yes No	
13. DOH Source Number:		SO # <b>1</b>	SO # <b>2</b>
14. Source Name from the WFI: (For exam	ple, North Well; Well #2; ABC334.)	AGA928 Well 1	AGA927 Well 2
15. Dept of Ecology Well Tag Number: (U	se Well tag ID#, None or Not readable)	AGA928	AGA927
16. Source Use: P - Permanent	S - Seasonal E - Emergency	Р	Р
17. If this is an emergency source, shou	ld it be disconnected?	Yes No NA	Yes No NA
18. Is the source a potential GWI source?		☐Yes ⊠No	☐Yes ⊠No
WELL (if there is no well, skip to question	34)		
19. Is the Sanitary Control Area (SCA) f contamination?	ree of unmitigated potential sources of	Yes <b>No</b>	Yes <b>No</b>
20. Is the wellhead located in a pit or vau	t?	□Yes ⊠No	☐Yes ⊠No
21. Is the wellhead at risk of submerge	nce?	Yes No	Yes No
22. Is the well cap sealed, watertight, a	nd free of unprotected openings?	Yes <b>No</b>	Yes <b>No</b>
23. Is the well casing free of any unpro	tected openings?	Yes No	Yes No
24. Is there a vent on the well?		Yes 🗌 No	☐Yes ⊠No
24a. If yes, is the vent protected? (24	non-corrodible mesh screen or slots)	Yes <b>No</b>	Yes <b>No</b>
25. Are conduits and junction boxes se	aled to prevent contaminant entry?	Yes <b>No</b>	Yes <b>No</b>
26. Is the well unreasonably at risk to phy	sical damage?	☐Yes ⊠No	□ Yes ⊠No
27. Is there a raw water source sample tag	p?	Yes No	Yes No
28. Is the source metered?		Yes 🗌 No	Yes No
28a. If yes, is the source meter read at le	east monthly?	Yes 🗌 No	Yes No
28b. If yes, are the water production rec	ords maintained?	Yes 🗌 No	Yes No
29. Is the wellhouse properly constructed	and maintained? If no, explain below	Yes 🗌 No	Yes No
30. Is there any evidence of infestation by	rodents or other pests?	□Yes ⊠No	☐Yes ⊠No
31. Is the wellhouse and well adequately tampering?	protected from unauthorized access and	Yes No	Yes No
32. Is there a pump control valve or var valve discharge pipe?	cuum relief valve without an air gap on the	<b>Yes</b> □No ⊠NA	<b>Yes</b> □No ⊠NA
33. Are the source pump and pump con chronic water outages or premature pu	ntrols operational and adequate to prevent mp failure? If no explain below	Yes <b>No</b>	Yes <b>No</b>
SPRING (if there is no spring, skip to que	stion 41)		
34. Is the springbox (structure, hatch, a entry of contaminants or direct surface	nd overflow) constructed to prevent the drainage? If yes, describe below.	Yes <b>No</b>	Yes <b>No</b>
35. Is there a raw water source sample tap	o?	Yes No	Yes No
36. Is the source metered?	Yes No	Yes No	
36a. If yes, is the source meter read at le	Yes No	Yes No	
36b. If yes, are the water production rec	ords maintained?	Yes No	Yes No
37. Is the springhouse properly constructed	ed and maintained? If no, explain below	Yes No	Yes No

## Exh. CJL-6 Page 6 of 19

38. Is there any evidence of infestation by rodents or other pests?	Yes No	Yes No
39. Is the springhouse and spring box adequately protected from unauthorized access?	Yes No	Yes No
40. Is the Sanitary Control Area (SCA) free of unmitigated potential sources of contamination?	Yes <b>No</b>	Yes <b>No</b>
<ul> <li>Describe and evaluate the source facilities including maintenance, operations, sanitary and made to the source such as pump replacement, deepening or reconstruction: <ul> <li>Well 1 (SO1) is a 6-inch, 178 feet deep well drilled in 1963;</li> <li>SO1 is equipped in a screened vent, a water meter and a sample tap;</li> <li>Well 2 (SO2) is a 6-inch, 179 feet deep well drilled in 1985;</li> <li>SO1 Qobs was 37 gpm;</li> <li>SO2 is equipped in a water meter and a sample tap;</li> <li>Well pumps are controlled by floats in an adjacent water reservoir;</li> <li>SO2 is currently not operating;</li> </ul> </li> <li>Item 24a: The vent on the well has small opening around a vent pipe. The openings adequate protection from small insects</li> </ul>	d security observations a	and any major change

Item 28: Source meters are read monthly.

Item 31: SO1 is located outside of the pump house, in the open.

PART E: DISINFECTION (	if no disinfection, answer question 41 o	and skip rest of Part E)		
41. Does the operator batch chlorinate the source, the distribution system, or routine or repeat coliform samples? If yes, provide details below.	the reservoir just before collecting	∏Yes ⊠No		
42. Did you observe disinfection treatment connected to the water system i the WFI? If yes, explain below	n active use that is NOT listed on	☐Yes ⊠No		
43. Is ultraviolet light (UV) used for disinfecting a drinking water source? If r	no, skip to question 46.	☐Yes ⊠No		
44. Is the UV unit sized for the maximum flow rate, and is there a UV transm solenoid valve or other device to shut off supply if the UV light fails?	nittance sensor controlling a	Yes No		
45. Describe the UV equipment including:				
UV manufacturer and model number:	Rated capacity (gpm):			
Cleaning frequency of quartz sleeve :	Mo/Yr UV light last rep	laced:		
46. Is there continuous chlorination? If no, skip to Part F		☐Yes ⊠No		
46a. If yes, please measure the free chlorine residual from a representative	location in the distribution system.			
Location description:	Free chlorine residual:			
47. Is there a water supply line plumbed directly into a chlorine solution pressure backflow assembly on the supply line?	n tank without a reduced	<b>Yes</b> No		
48. Is there a post-treatment sample tap?		Yes No		
49. Does the chlorine compound meet NSF/ANSI Standard 60? - household	bleach is exempted	Yes No		
50. Is a backup chemical feed pump or spare parts for the operating chemic	al feed pump available onsite?	Yes No		
51. According to the operator, is there a DOH requirement for Chlorine Con	tact Time? If no, skip to Part F	Yes No		
51a. If yes, measure and record the free chlorine residual at the CT6 compliance location: Describe compliance sampling location below – location must be prior to the first service connection downstream of chlorine addition.				
52. Is the chlorine pump and pump controls constructed and maintained to patreatment? If no, describe below.	rovide uninterrupted, reliable CT6	Yes No		
Describe the chlorination facilities including purpose for chlorination, concerns with maintenance or operations, purveyor's record keeping of monthly reports, and sanitary and security observations:				
System does not provide continuous chlorination. The coliform testing history indicates there was not a positive coliform test in almost a decade.				

## Exh. CJL-6

	Page / of 19
53. Is there any treatment other than chlorination or UV in use? If no, skip Part F.	☐Yes ⊠No
54. Did you observe a treatment process connected to the water system in active use that is NOT listed on the WFI? If yes, describe below.	Yes No
55. Is there a water supply line plumbed directly into a chemical solution tank (e.g., fluoride saturator) without a reduced pressure backflow assembly on the supply line?	<b>Yes</b> No NA
56. Are primary contaminant treatment facilities (e.g., nitrate, corrosion control, arsenic) operating properly? If no, describe below	Yes <b>No</b>
57. Do the water treatment chemicals meet NSF/ANSI Standard 60?	Yes <mark>No</mark> NA
58. Is there a post-treatment sample tap?	Yes No
Describe the treatment facilities including purpose for treatment, concerns with maintenance or operations, purve	evor's record keeping

Describe the treatment facilities including purpose for treatment, concerns with maintenance or operations, purveyor's record keeping of monthly reports, and sanitary and security observations:

System does not provide any treatment. Arsenic, nitrate, manganese and iron are all below established maximum contaminant level.

PART G:	BOOSTER	PUMPING F	ACILITIES ar	nd CONTROLS
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59. Are there any booster pumps in use? If no, skip Part G	Yes No
60. Are the booster pumps in good working condition? If no, explain below	Yes No
61. Are pump and pump controls operational and adequate to prevent chronic water outages or premature pump failure? If no explain below	Yes <b>No</b>
62. If there is a booster pump house/pump station, is it secure against unauthorized entry? If no, explain below	Yes <b>No</b> NA

Describe and evaluate the pump facilities and controls including maintenance, operations, sanitary and security observations:

Two booster pump stations to pressurize the distribution system;

- The booster pump station for the lower distribution zone consists of three 5 HP pumps (Sta-Rite model DHJ170), two with Sta-Rite electric motor and one with Baldor electric motors, and a smaller 2.5 HP start-up pump (Sta-Rite model DHG) that provides initial response to pumping request from the pressure sensors;
- The booster pump station for the higher pressure zone consists of two 2HP pumps (Flint & Wallin) with F&W electric motor;
- Pumps alternate in use, lead lag;

#### PART H: PRESSURE TANKS

64. Are there any pressure tanks in use? If no, skip Part H	Yes 🗌 No
65. For systems using an air compressor, is the compressor an oil-free type or does it use food-grade oil?	Yes <mark>No</mark> NA
66. Are valves present to isolate pressure tanks for maintenance or repair?	□Yes ⊠No
67. Is there an ASME pressure relief valve installed between each pressure tank and any shutoff valve? (see DOH publication #331-429)	⊠Yes □No
68. Are the pressure tanks in good working condition? If no, explain below	Yes No

Describe and evaluate the pressure tanks including maintenance, operational, sanitary and security observations:

- The upper pressure zone is protected by a pair of 86-gallon bladder pressure tanks (Well Rite model WR260) and one 81-gallon Challenger tank; there is also a small expansion tank (Flow-Thru model FT18)
- The lower pressure zone is protected by three 315 gallons galvanized hydropneumatic pressure tanks;
- The hydropneumatic pressure tanks are manually "aired up" as needed with a portable oil-free air compressor;

PART I: FINISHED WATER STORAGE	
69. Is there a finished water storage tank in use? If no, skip Part I	Yes 🗌 No
	1 11 11

70. If unable to physically inspect the storage tank hatch, vent, roof, or overflow outlet, select the method you discussed with the purveyor to document their condition:

## Exh. CJL-6 Page 8 of 19

a Reviewed and discussed maintenance records and recent photos					
b 🛛 Photos will be taken and mailed by purveyor; additional follow-up required by DOH					
c Purveyor unable or unwilling to document; additional follow-up required by D	ОН				
Insert Tank Names	41,200				
71. Is the storage tank protected from unauthorized entry or vandalism? If no, explain below	Yes No unk	Yes No unk			
72. Is the reservoir roof free of any unprotected openings? If no, explain below	Yes <b>No</b> Munk	Yes <b>No</b> unk			
73. Is the access hatch constructed and sealed to prevent the entry of contaminants? If no, explain below	Yes <b>No</b> Wunk	Yes <b>No</b> unk			
74. If able to open hatch, is the stored water free of visible contaminants? If no, explain below	☐Yes ☐No ⊠unk	Yes No Uunk			
75. Is there a dedicated air vent on the storage tank?	Yes No 🛛 Unk	Yes No unk			
<b>75a. If yes, is the air vent constructed to prevent the entry of contaminants?</b> If no, explain below	Yes <b>No</b> unk	Yes <b>No</b> unk			
<b>76.</b> Is the overflow line constructed to prevent contaminants from entering the <b>tank?</b> If no, explain below	Yes <b>No</b> Uunk	Yes <b>No</b> Uunk			
77. Does the overflow line discharge near ground level?	Yes 🛛 No 🗌 unk	Yes No Uunk			
78. Is the overflow line discharge area protected from potential erosion?	Yes No Dunk	Yes No Uunk			
79. Does the overflow line discharge into a storm drain or surface water?	Yes 🛛 No 🗌 unk	Yes No unk			
79a. If yes, is there an air gap at the discharge of the overflow OR does the overflow drop at least 34 vertical feet measured from the overflow connection to the reservoir down to the receiving water body?	Yes <b>No</b> Uunk	Yes <b>No</b> Uunk			
80. Does the overflow line discharge directly into a sanitary sewer without an air gap?	<b>☐Yes</b> ⊠No <b>☐</b> unk	<b>Yes</b> No unk			
81. Can the reservoir be isolated from the rest of the water system and be drained through a dedicated drain line?	Yes No Dunk	Yes No Uunk			
82. When was the tank inspected last? Explain below if necessary	2020				
83. What is the tank cleaning frequency? Explain below if necessary	Every 2-3 years or as needed				
84. Does the tank size, operation, and internal piping configuration appear to provide adequate water turnover (i.e. separate inlet/outlet, baffling or mixing to reduce stagnant water)? If no, explain below	Yes No Dunk	Yes No Uunk			
85. Does the tank show signs of excessive leakage, significant structural cracking, or an advanced concrete spalling?	Yes No	Yes No			
Describe and evaluate the finished water storage facilities including volume, operational drawdown, configuration of the inlet/outlet piping, any concerns about operations and maintenance, and sanitary and security observations: • 41,200 gallons, above–ground octagonal concrete reservoir;					
• The overflow outlet and the reservoir drain outlet are both screened;					
Floats in the reservoir control pumps in SO1 and SO2;					
Reservoir is filled from the top;					
<ul> <li>Reservoir and a pump nouse will be upgraded in a near future;</li> <li>Itom 70: The top of the receiver has not been inspected during the survey. The numerican will provide nictures of receiver top.</li> </ul>					
directly to DOH Drinking Water Office.					

Item 77: The reservoir overflow does not extend all the way to the ground and though it is screened it might be difficult to inspect the integrity of the screen and replace it as needed.

PART J: DISTRIBUTION SYSTEM	
86. Is a complete, up to date and accurate map of the distribution system maintained?	Yes No
87. Does the system provide adequate pressure throughout the distribution system? If no, explain below.	Yes No
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Exh. CJL-6 Page 9 of 19

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88. Are proper procedures followed for disinfection of new construction or repairs?	Yes 🗌 No
89. Are there any air relief or vacuum relief valves subject to submersion?	□Yes ⊠No
90. Does the purveyor seasonally or annually flush the distribution system? If yes, describe below	Yes 🗌 No
91. Does the purveyor exercise its distribution system valves? If yes, describe below	Yes 🗌 No

Describe and evaluate the distribution system including maintenance, operational, sanitary and security observations:

- Two pressure zones;
- The higher pressure zone serves about 90% of customers with remaining 10% served by the lower distribution zone;
- Distribution is primarily through 6-inch, 4-inch and 2-inch PVC water mains. The 6-inch main directly from the reservoir serves a fire hydrant;
- Service water meters are installed for most of user connections; there are few lines that still need to be located in order to install service meters;
- Water meters are read every two month, and water use efficiency is calculated;
- There is an intertie with the Goss Lakeridge Acres Association to provide wholesale water to that development;

Item 90 and 91: System is flushed as deemed necessary and distribution valves are exercised at that time.

PART K: CROSS CONNECTION CONTROL (CCC)	
92. Does the water system serve a single connection? If yes, refer the purveyor to the Uniform Plumbing Code and skip Part K	☐Yes ⊠No
93. Is the water system known to serve one or more high health hazard premises, such as those listed in Table 9 in WAC 246-290-490? If yes, describe the premise(s) below.	Yes 🛛 No
94. Has the purveyor established the legal authority to implement a CCC program (i.e., formally adopted an ordinance, resolution, by-laws, or other document defining the purveyor's CCC program requirements, and empowering the purveyor to enforce them)?	□Yes ⊠No
95. Has the purveyor designated a CCC Specialist (CCS) to be in responsible charge of the CCC program?	☐Yes ⊠No
95a. If yes, has the CCS conducted a hazard evaluation to identify high health hazard premises?	Yes No
95b. If yes, has the purveyor completed installation of a backflow prevention assembly on the service line to each identified high health hazard premise?	Yes No NA
96. Has each testable backflow prevention assembly installed for premises isolation been tested by a DOH certified backflow assembly tester (BAT) within the past 12 months?	Yes No NA
97. Did you observe the end of a hose connected to the potable water system submerged in a pool, hot tub, watering trough, or other non-potable body of water observed during the survey?	Yes No
98. <u>This question only applies to a facility operating a sewage dump station</u> : Is there a sewage dump station without a reduced pressure backflow assembly on the water supply at the dump station?	Yes No NA
Additional cross connection control program comments:	

Additional cross connection control program comments:

The system does not have Cross Connection Control program in place. There is one BAT installed on the intertie with the Goss Lakeridge Acres Association. This BAT is tested by the Goss Lakeridge Acres Assn. on annual basis;

TAKE OF ENTITY									
99. Is the operator of the water system certified?	Yes 🗌 No								
100. Describe the operator's certification level (if certified), duration of employment with this water system, relationship with the system (e.g., contract operator, SMA, direct hire employee, volunteer, temporary, or owner), and duties and responsibilities.									
101. Does the operator conduct self-inspections of the water system? If yes, describe frequency and scope of these self-inspections below.	Yes No								
102. Is the operator performing measurements and calibration of water treatment monitoring equipment consistent with manufacturer recommendations? If no, describe below.	□Yes □No ⊠NA								
103. Is the operator using proper inputs to treatment plant operations reports, such as correct volume, peak flow rate, time, and making the proper calculations? If no, describe below.	☐Yes ☐No ⊠NA								
104. Does the operator take compliance water quality samples at the proper location? If no, describe below.	Yes No NA								

Additional operator comments:

#### Culley Lehman is the Certified Operator of record.

#### PART M: FIELD NOTES AND OTHER

Descriptions of any water quality tests, physical measurements, or simple repairs completed during the inspection: **WFI has been updated and is attached to this survey.** 

#### PART N: SUPPLEMENTAL NOTES AND SAFETY CONCERNS

Supplemental comments from other parts of the checklist, and documentation of field safety concerns:

If you need this publication in an alternative format, call 800.525.0127 (TDD/TTY call 711). This and other publications are available at <u>www.doh.wa.gov/drinkingwater</u>.



## Exh. CJL-6 Page 12 of 19

PART P:	INVENTORY OF POTENTIAL SOURCES OF CONTAMINANTS WITHIN T	HE SANITARY CON	ITROL AREA
Use the graph be (SCA). The SCA is	low to locate any potential biological and chemical contaminants found wit the protective area within 100 feet of wells or 200 feet of springs.	hin the source's San	itary Control Area
Source Name:	· · · ·	Source Number:	
		R	adius (select one)
	North		100 ft for Wells
			200 ft for Springs

Description of Features Shown on the SCA Schematic										
Α.			С.		E.					
В.			D.		F.					
Sour	ces of Contamination	Feet	Source	es of Contamination	Feet	Sou	Feet			
Aban	doned water wells		Dumpsters			Pesticide	e storage			
Anima	l burial Fuel tanks (above or below ground)					Roads and parking lots				
Biolog	gical contaminants			Sewer li	nes, gravity or pressure					
Buildi	ings Hazardous waste disposal site					Storm water catch basins				
Chem	ical contaminants	l contaminants Hazardous waste facility				Surface water				
Drain	fields and septic tanks	Is and septic tanks Irrigation canal					ater spray irrigation			
Drug	lab	Landfill, dump, disposal area				Other:				
Dry w	ells		Pesticide a							

## Exh. CJL-6 Page 13 of 19



SO1 well tag



SO1 electrical

SO1 water meter





SO2 electrical

![](_page_14_Picture_3.jpeg)

![](_page_14_Picture_4.jpeg)

SO2 vent

![](_page_14_Picture_6.jpeg)

![](_page_14_Picture_7.jpeg)

![](_page_15_Picture_1.jpeg)

Lower zone pressure tanks

Pressure relief valve

![](_page_15_Picture_4.jpeg)

Upper zone booster pumps

![](_page_15_Picture_6.jpeg)

![](_page_16_Picture_1.jpeg)

Leaking reservoir corner

![](_page_16_Picture_3.jpeg)

Figure 2

SS Photos 6 per Page 4 Pages

Exh. CJL-6 Page 17 of 19

![](_page_17_Figure_1.jpeg)

## WATER FACILITIES INVENTORY (WFI) FORM

Washington State Department of Health Division of Environmental Health Division of Environmental Health

### ONE FORM PER SYSTEM

Quarter: 2 Updated: 05/05/2020

Printed: 4/14/2023 WFI Printed For: On-Demand

Submission Reason: Owner Update

RETURN TO: Central Services - WFI, PO Box 47822, Olympia, WA, 98504-7822 or email wfi@doh.wa.gov

1. SYSTEM ID NO. 2. SYSTEM NAME				3. COUNTY		4. GROU	JP 5. TYPE				
31040 6 CAL WATERWORKS	3			ISLAND		A	Comm				
6. PRIMARY CONTACT NAME & MAILING	7. OWNE	R NAME & MAILING A	DDRESS								
CULLEY J. LEHMAN [MANAGER] PO BOX 549 FREELAND, WA 98249				CASCADIA WATER, LLC GENERAL MANAGER CULLEY J. LEHMAN PO BOX 549 FREELAND, WA 98249							
STREET ADDRESS IF DIFFERENT FROM A ATTN ADDRESS 18181 SR 525 CITY FREELAND STATE	STREET / ATTN ADDRESS CITY	STREET ADDRESS IF DIFFERENT FROM ABOVE ATTN ADDRESS CITY STATE ZIP									
9. 24 HOUR PRIMARY CONTACT INFORMA	TION		10. OWNE	R CONTACT INFORM	ATION						
Primary Contact Daytime Phone: (360) 66	1-7781		Owner Da	ytime Phone: (360)	661-7781						
Primary Contact Mobile/Cell Phone: (360) 66*	1-7781		Owner Mo	bile/Cell Phone: (360)	661-7781						
Primary Contact Evening Phone: (xxx)-xxx	-xxxx		Owner Eve	ening Phone: (xxx)->	xx-xxxx						
Fax: E-mail: cxxxxy@ca	scadiawater.com		Fax:	E-ma	ail: cxxxxy@cas	cadiawater.com					
Not applicable (Skip to #12)     Owned and Managed     Managed Only     Owned Only	11. SATELLITE MANAGEMENT AGENCY - SMA (check only one)         Not applicable (Skip to #12)         Owned and Managed       SMA NAME:         Managed Only         Owned Only										
12. WATER SYSTEM CHARACTERIS         Agricultural         Commercial / Business         Day Care         Food Service/Food Permit         1,000 or more person event for 2 or more	12. WATER SYSTEM CHARACTERISTICS (mark all that apply)         Agricultural       Hospital/Clinic         Commercial / Business       Industrial         Day Care       Licensed Residential Facility         Food Service/Food Permit       Lodging         1 000 or more percent event for 2 or more days per upper       Residential										
13. WATER SYSTEM OWNERSHIP (mark on! Association County City / Town Federa	y one)	<mark>⊯</mark> Investo □ Private	or 9	☐ Special Distr ☐ State	rict 14	. STORAGE C. 41	APACITY (gallons) ,200				
15 16 SOURCE NAME	17 INTERTIE	18 SOURCE C/	ATEGORY	19 20 21 USE TREATM	22 ENT DEPTH	23 SOL	24 JRCE LOCATION				
LIST UTILITY'S NAME FOR SOURCE AND WELL TAG ID NUMBER. Example: WELL #1 XYZ456 IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLER'S NAME Example: SEATTLE	INTERTIE SYSTEM ID NUMBER	WELL IN A WELL FIELD	FERMANCH	FLUORIDATION FILTRATION CHLORIMATION NONE SOURCE METERED EMERGENALTY	DEPTH TO FIRST OPEN TERVAL IN FEET OTHER IRRADIATION (UV)	114, 114 SECTION CAPACITY (GALLONS PER MINUTE)	RANGE TOWNSHIP SECTION NUMBER				
S01 AGA928 WELL 1		╉╋╋	<u>╀╫╫╫</u>	Y X	173	45 NW S	W 01 29N 02E				
SUZ AGA927 WELL 2		┽┽┦┼	╁┼┼┼╎		174	45 NE S	E 02 29N 02E				
	╉───┤┤	┼┼┼╇	╉╁╂┠┾	╋╋╋╋	+ + +						
			┼┼┾╋╋	╅╂╂╋╪╆╂╴							

# WATER FACILITIES INVENTORY (WFI) FORM - Continued

1. SYSTEM ID NO.	2. SYSTEM NAME		3. COUNTY						4. GROUP		5. TYPE		
31040 6	CAL WATERWORKS ISLAND									А		Comm	
							ACTIVE SERVICE CONNECTIONS		DOH USE ONLY! CALCULATED ACTIVE CONNECTIONS		DOH USE ONLY APPROVED CONNECTIONS		
25. SINGLE FAMILY RE	SIDENCES (How many of the following of	io you ha	ive?)		9. MP					9	9	120	
A. Full Time Single Fami	ly Residences (Occupied 180 days or more	per year)						9	9				
B. Part Time Single Family Residences (Occupied less than 180 days per year) 0													
26. MULTI-FAMILY RESIDENTIAL BUILDINGS (How many of the following do you have?)													
A. Apartment Buildings, e	condos, duplexes, barracks, dorms							0					
B. Full Time Residential	Units in the Apartments, Condos, Duplexes	, Dorms th	nat are oc	cupied mo	re than 1	80 days/y	ear	0					
C. Part Time Residential	Units in the Apartments, Condos, Duplexes	s, Dorms t	hat are or	ccupied le	ss than 18	30 days/ye	ar	0	-				
27. NON-RESIDENTIAL	CONNECTIONS (How many of the follow	ving do y	ou have?	)			1.1.1.1						
A. Recreational Services a	and/or Transient Accommodations (Campsil	tes, RV sit	tes, hotel/	motel/ove	rnight uni	ts)		0			)	(	)
B. Institutional, Commerc	ial/Business, School, Day Care, Industrial S	ervices, e	etc.			ONNEOT		1	and with a		20		24
			28.	IOTAL SE	RVIGEC	ONNECT	IONS			10	10	14	21
29. FULL-TIME RESIDER					225	1000		(Carlotter)	in the second	197	21-20		
A. How many residents a	re served by this system 180 or more days	per year?			235								
30. PART-TIME RESIDE	INTIAL POPULATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A. How many part-time r	esidents are present each month?												
B. How many days per m	nonth are they present?												
31. TEMPORARY & TRA	ANSIENT USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A. How many total visitor or customers have access								ß					
B. How many days per m	nonth is water accessible to the public?												
32. REGULAR NON-RE	SIDENTIAL USERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A. If you have schools, d water system, how many s employees are present ea the residential population?	aycares, or businesses connected to your students, daycare children and/or ch month that are NOT already included in												
B. How many days per m													
33. ROUTINE COLIFORM	N SCHEDULE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
		1	1	1	1	1	1	1	1	1	1	1	1
34. NITRATE SCHEDULE QUARTERLY						ANNUALLY ONCE EVERY 3 YEARS					RS		
(One Sample per source	(One Sample per source by time period)												
35. Reason for Submitting WFI:													
Update - Change 🕅 Update - No Change 🔲 Inactivate 🗌 Re-Activate 🗌 Name Change 🗍 New System 🗍 Other													
36. I certify that the inf	ormation stated on this WFI form is corre	ect to the	best of r	ny knowle	edge. DATE:	2	4/14	12=	3				
	WETA JELLPFALL	ER			TITLE:		EH.	s III					