
Preparing for a Water System Survey

DWS Partner Spring training

May 30-31, 2023

Amy Bleekman & Kent Downs



PUBLIC HEALTH DIVISION
Drinking Water Services

Presentation outline

Day 1:

- Survey Planning and Preparation
- Conducting The On-site Survey

Day 2:

- Follow-up Activities



1. Survey Planning and Preparation

Important steps to conduct an efficient and effective water system survey:

- Review PWS files
- Conduct pre-survey calls
- Fill out the survey form with information provided by the operator and available on Data Online.
- Prepare field equipment: field testing equipment, safety gear and support equipment (camera, tape measure, flashlight, small rag, paper towel, etc.).



1. Survey Planning and Preparation

- Download the most current survey form and cover letter



Link:

<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/DRINKINGWATER/PARTNERS/Pages/surveys.aspx>




Survey Form Templates

- About Survey Template Packets
- Survey Template Instructions
- Instructions for adding an On/Off toggle switch for Word forms
- Outstanding Performer Template:  MS Word -or-  MS Publisher

The following MS Word documents are **password protected**:

-  • Packet 1: C-NTNC Groundwater Survey Template - revised 3/16/2022
- Packet 2: C-NTNC Surface Water Survey Template - revised 3/16/2022
-  • Packet 3: TNC-OVS Survey Template - revised 3/16/2022

Survey Notification Letter and Cover Letter Templates in MS Word format

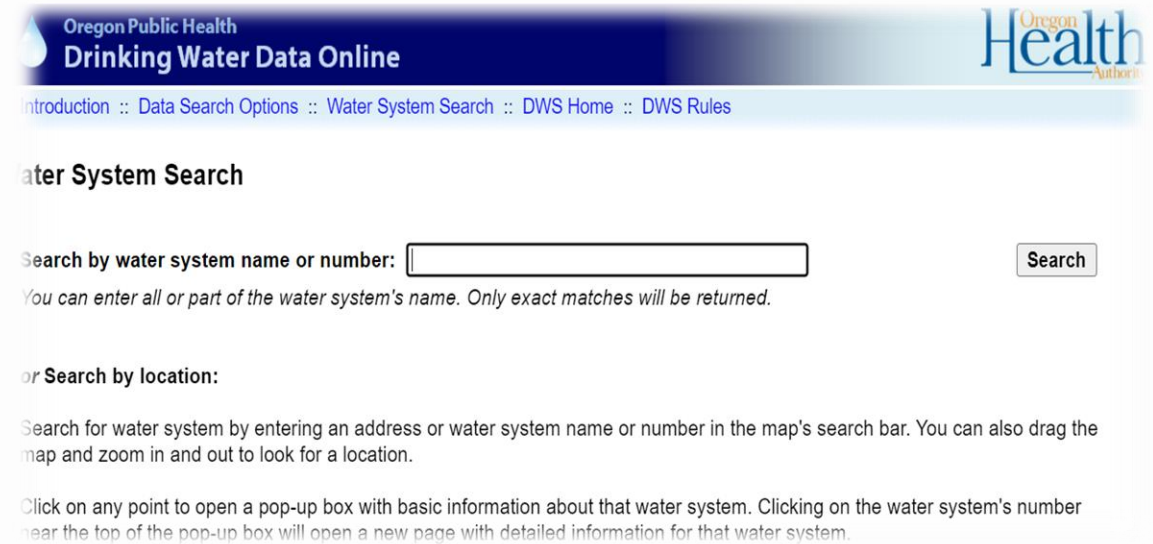
-  • Survey Notification Letter with COVID precautions - new 8/10/2020
-  • Community Groundwater Systems - includes outstanding performer information language
-  • NTNC, TNC, and OVS Groundwater Systems
- Community Surface Water Systems - includes outstanding performer information language
- NTNC, TNC, and OVS Surface Water Systems

Survey Deficiency Follow-up

- Procedure for Follow-up of Deficiencies Identified in a Water System Survey - Updated 3/4/2020
- Failure to Take Corrective Action Template for Groundwater Systems (MS Word)
- Failure to correct significant deficiencies following a water system survey:
 - For Groundwater System (Tier 2): MS Word -or- PDF
 - For Surface Water/GWUDI System (Tier 2): MS Word -or- PDF

1. Survey Planning and Preparation

- **Review PWS files:**
 - Past surveys
 - Plan review letters, and
 - Available information on the **Drinking Water Data Online**



Oregon Public Health
Drinking Water Data Online

Introduction :: Data Search Options :: Water System Search :: DWS Home :: DWS Rules

Water System Search

Search by water system name or number:

You can enter all or part of the water system's name. Only exact matches will be returned.

or Search by location:

Search for water system by entering an address or water system name or number in the map's search bar. You can also drag the map and zoom in and out to look for a location.

Click on any point to open a pop-up box with basic information about that water system. Clicking on the water system's number near the top of the pop-up box will open a new page with detailed information for that water system.

<https://yourwater.oregon.gov/>

1. Survey Planning and Preparation

For further information on this public water system, click on the area of interest below:

[System Info](#) :: [Report for Lenders](#) :: [Alerts](#) :: [Violations](#) :: [Compliance & Enforcement](#) :: [Contacts & Advisories](#) :: [Site Visits](#) :: [Public Notice](#)
[Coliform Summary](#) :: [Coliform Results](#) :: [Sampling Schedule for Coliform](#) :: [Groundwater/GWUDI Source Details](#) :: [Plan Review](#) :: [Annual Fee](#)
[Chemical Group Summary](#) :: [Latest Chemical Results](#) :: [Entry Point Detects](#) :: [Single Analyte Results](#)
[Chemical Schedule Summary](#) :: [Chemical Schedule Details](#)
[Lead & Copper](#) :: [Corrosion Control \(LCR\)](#) :: [Nitrate](#) :: [Arsenic](#) :: [Radionuclides](#) :: [GWR 4-Log](#) :: [LT2](#) :: [Cyanotoxins](#) :: [PFAS](#)
[DBPs](#) :: [TOC & Alkalinity](#) :: [DBP Sample Sites](#) :: [FANLs](#) :: [MRDL](#) :: [Turbidity](#) :: [SWTR](#) :: [RAA](#) :: [LRAA](#)

For SDWIS: 3



[System Info](#)

[Alerts](#)

[Violations](#)

[Compliance & Enforcement](#)

[Contacts & Advisories](#)

[Site Visits](#)

[Public Notice](#)

[Plan Review](#)

[Sampling Schedule for Coliform](#)


[Coliform Results](#)


[Chemical Schedule Details](#)

What to review on
Drinking Water
Data Online?

Essentially review
all tabs at the
base of the water
system home page

1. Survey Planning and Preparation

**Oregon Public Health**
Drinking Water Data Online



Introduction :: Data Search Options :: Water System Search :: DWS Home :: DWS Rules :: Quick Data Links

OR41 00825 SILVERTON MOBILE ESTATES Classification: COMMUNITY

Contact: JUDY DAVIDSON
1307 S WATER ST #47
SILVERTON, OR 97381
Phone: 503-961-3234
County: MARION
Activity Status: ACTIVE -- [History](#)
Number of Connections: 30
Regulating Agency: [MARION COUNTY](#)
Owner Type: PRIVATE
Licensed By: N/A
Approved Drinking Water Protection Plan: No
Source Water Assessment: Yes
Last Survey Date: [Nov 04, 2020](#) - Outstanding Performer!

Population: 45
Operating Period: January 1 to December 31
Certified Operator(s)
Required: Y
Distribution class: S
Treatment class: None
Filtration Endorsement Required: No

Sources

Facility ID	Facility Name - Well Logs	Activity Status	Availability	Source Type
EP-A	EP for WELL	A		GW
SRC-AA	WELL - MARI5984	A	Permanent	GW

[Find Purchasers/Sellers](#)

See page 3 on
survey form for
TNCs and
Community WS

1. Survey Planning and Preparation

Tips

Inventory and Narrative			
<input checked="" type="checkbox"/> Outstanding Performer			
Type:	Status	Size	Season: <input checked="" type="checkbox"/> All year <input type="checkbox"/> Seasonal
<input checked="" type="checkbox"/> Community (C)	Population:	45	Begins: (mm/dd) /
<input type="checkbox"/> Non-Transient Non-Community (NTNC)	Connections:	30	Ends: (mm/dd) /
<input type="checkbox"/> Transient Non-Community (TNC)			
<input type="checkbox"/> Non-EPA (NP)			
License:	<input checked="" type="checkbox"/> Not Lic. <input type="checkbox"/> Health Dept. <input type="checkbox"/> Ag	Service Area Characteristics:	MP
Responsible Agency:	<input type="checkbox"/> State <input checked="" type="checkbox"/> County <input type="checkbox"/> Ag	Owner Type:	2
Minimum WS Certification Requirements:	WD: WT: <input type="checkbox"/> FE <input checked="" type="checkbox"/> Small WS <input type="checkbox"/> N/A		
For changes in operations staff contact Operator Certification: dws.opcert@dhsosha.state.or.us			
Primary Administrative Contact (mailing address):			
Contact Name:	Judy Davidson	Phone:	(503) 961-3234
Title:		Cell:	()
Street Address:	1307 S Water St #47	Emergency #:	()
City/State/Zip:	Silverton, OR 97381	Email:	jdm@scf.tv
Center of Service Area (for public maps):			
decimal degrees (e.g., 45.894357, -123.960433) or address	44.988994, -122.763773		
Legal/Owner/Secondary Contact (optional/not entered in SDWIS):			
Contact Name:	Creekside Properties LL	Phone:	()
Title:		Cell:	()
Street Address:	549 Homestead Ln	Emergency #:	()
City/State/Zip:	Payson, Az 85541	Email:	
System Physical Address (optional/not entered in SDWIS):			
Contact Name:	Jeff Davidson	Phone:	(503) 961-3234
Title:		Cell:	()
Street Address:	1307 S Water St #47	Emergency #:	()
City/State/Zip:	Silverton, OR 97381	Email:	jeff@scf.tv
Emergency Systems Available:			
Name:		PWS ID#:	41
Narrative:			
This Community Water System serves 30 connections at Silverton Mobile Home Estates. The system consists of a single well, mixing tank and 3 pressure tanks prior to the distribution system. Disinfection for residual maintenance was installed in 2020 through a compliance order, due to persistent total coliform detections in the distribution. The 30 connections share 8 septic tanks. Some of the homes (25%) in the park are served by the City of Silverton (water and sewer). There is no intertie with the City of Silverton.			

Seasonal operation: for TNCs, check website or FB page if available.

Center of Service Area: A picture taken on your android or iPhone can provide GIS coordinates if you turn the location setting on. Even at places where there is no Wi-Fi or Cell signal.

Narrative: Keep it short, describe the system components (sources, treatment, storage, etc.), any modifications made since the last survey, and other pertinent information.

1. Survey Planning and Preparation

OR41 00825

SILVERTON MOBILE ESTATES

Classification: COMMUNITY

Contact: JUDY DAVIDSON
1307 S WATER ST #47
SILVERTON, OR 97381

Phone: 503-961-3234
County: MARION
Activity Status: ACTIVE -- [History](#)

Population: 45

Number of Connections: 30

Operating Period: January 1 to December 31

Regulating Agency: [MARION COUNTY](#)

Certified Operator(s)

Owner Type: PRIVATE

Required: Y

Licensed By: N/A

Distribution class: S

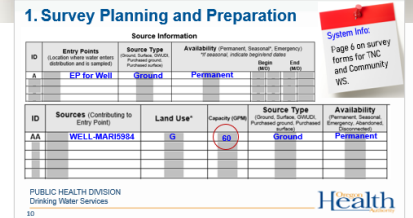
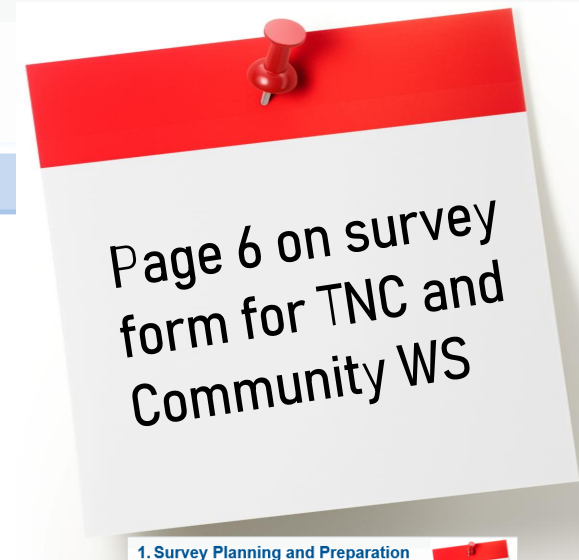
Approved Drinking Water Protection Plan: No

Treatment class: None

Source Water Assessment: Yes

Filtration Endorsement Required: No

Last Survey Date: [Nov 04, 2020](#) - Outstanding Performer!



Sources

Facility ID	Facility Name - Well Logs	Activity Status	Availability	Source Type
EP-A	EP for WELL ←	A		GW
SRC-AA	WELL - MARI5984 ←	A	Permanent	GW

[Find Purchasers/Sellers](#)

Treatment

PUBLIC HEALTH DIVISION
Drinking Water Services

Source

Entry Point

Oregon
Health
Authority

1. Survey Planning and Preparation

Source Information

ID	Entry Points (Location where water enters distribution and is sampled)		Source Type (Ground, Surface, GWUDI, Purchased ground, Purchased surface)	Availability (Permanent, Seasonal*, Emergency) <i>*If seasonal, indicate begin/end dates</i>				
				Begin (M/D)		End (M/D)		
A		EP for Well	Ground	Permanent				

ID	Sources (Contributing to Entry Point)	Land Use*	Capacity (GPM)	Source Type (Ground, Surface, GWUDI, Purchased ground, Purchased surface)	Availability (Permanent, Seasonal, Emergency, Abandoned, Disconnected)
AA	WELL-MARI5984	G	60	Ground	Permanent

System Info:
Page 6 on survey forms for TNC and Community WS.

1. Survey Planning and Preparation

OR41 00825

SILVERTON MOBILE ESTATES

Classification: COMMUNITY

Contact: JUDY DAVIDSON
1307 S WATER ST #47
SILVERTON, OR 97381

Phone: 503-961-3234

County: MARION

Activity Status: ACTIVE -- [History](#)

Number of Connections: 30

Regulating Agency: [MARION COUNTY](#)

Owner Type: PRIVATE

Licensed By: N/A

Approved Drinking Water Protection Plan: No

Source Water Assessment: Yes

Last Survey Date: [Nov 04, 2020](#) - Outstanding Performer!

Population: 45

Operating Period: January 1 to December 31

Certified Operator(s)

Required: Y

Distribution class: S

Treatment class: None

Filtration Endorsement Required: No

Capacity
GPM

Sources				
<u>Facility ID</u>	<u>Facility Name</u> - <u>Well Logs</u>	<u>Activity Status</u>	<u>Availability</u>	<u>Source Type</u>
EP-A	EP for WELL	A		GW
SRC-AA	WELL - MARI5984	A	Permanent	GW
Find Purchasers/Sellers				

Treatment

PUBLIC HEALTH DIVISION
Drinking Water Services

Sources

Entry Point

Oregon
Health
Authority

Page 6 on survey
form for TNC and
Community WS

Well Log: MARI 5984

Well Log	Details	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer	Latitude/ Longitude
MARI_5984	Details	7.00S-1.00W-2 NE-SE			BULLOCK, C O	SILVERTON TRAILER COURT 4733 SILVERTON RD NE SALEM OR 97305		W	36.00	0.00	14.0	60.0	09/15/1967	10/09/1967	STADELI, PAUL R R STADELI & SONS			✓					✓									

[Download Data](#)

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " "

" " "

Well test 60 gal./min. with 51 ft. drawdown after 3 hrs.

Artesian flow g.p.m. Date

Temperature of water ☒ Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:

Well seal—Material used BENTONITE & CUTTINGS

Depth of seal 20 ft.

Diameter of well bore to bottom of seal 12 1/4 in.

Were any loose strata cemented off? ☐ Yes ☒ No Depth

Work star

Date well

Drilling

This

rials use

knowledg

[Signed]

Drilling

Water W

This

true to th

Example of a well log
(Silverton Mobile
Estates PWS 00825)

Well yield or flow rate
in gallons per minute
(gpm).

1. Survey Planning and Preparation

For further information on this public water system, click on the area of interest below:

[System Info](#) :: [Report for Lenders](#) :: [Alerts](#) :: [Violations](#) :: [Compliance & Enforcement](#) :: [Contacts & Advisories](#) :: [Site Visits](#) :: [Public Notice](#)

[Coliform Summary](#) :: [Coliform Results](#) :: [Sampling Schedule for Coliform](#) :: [Groundwater/GWUDI Source Details](#) :: [Plan Review](#) :: [Annual Fee](#)

[Chemical Group Summary](#) :: [Latest Chemical Results](#) :: [Entry Point Detects](#) :: [Single Analyte Results](#)

[Chemical Schedule Summary](#) :: [Chemical Schedule Details](#)

[Lead & Copper](#) :: [Corrosion Control \(LCR\)](#) :: [Nitrate](#) :: [Arsenic](#) :: [Radionuclides](#) :: [GWR 4-Log](#) :: [LT2](#) :: [Cyanotoxins](#) :: [PFAS](#)

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For SD

[Alerts](#) [Coliform Results](#)

[Violations](#) [Chemical Schedule Details](#)

PUBLIC HEALTH DIVISION
Drinking Water Services

Oregon
Health
Authority

1. Survey Planning and Preparation

Alerts

PWS ID: [94674](#) ---- SILVERTON RESERVOIR REC AREA

- **MCL** = Maximum Contaminant Level. Results for MCL exceedances, *E. coli* positives, and lead and copper 90th percentile action level exceedances are shown in **bold red** text.

Alert Date Range: From to

Reset

Columns

Download

Showing 1 to 5 of 5 records

Alert Type	Alert ID	Sample Date	Alert Date	Contact Report	Location	Analyte	Result	Current Alert Level	Current MCL	Units
All Types						All Analytes				
TCR	ARCHIVE	08/09/2001	09/07/2001			COLIFORM, TOTAL (TCR)	Present	Present		
TCR	ARCHIVE	05/13/1997	05/20/1997			COLIFORM, TOTAL (TCR)	Present	Present		
TCR	ARCHIVE	05/15/1997	05/20/1997			COLIFORM, TOTAL (TCR)	Present	Present		
TCR	ARCHIVE	05/15/1997	05/20/1997			COLIFORM, TOTAL (TCR)	Present	Present		
TCR	ARCHIVE	05/15/1997	05/20/1997			COLIFORM, TOTAL (TCR)	Present	Present		

1. Survey Planning and Preparation

OR41 90622

BLM CLAY CREEK

Classification: TRANSIENT NON-COMMUNITY

Contact: EVAN MOFFETT
1717 FABRY ROAD SE
SALEM, OR 97306

Phone: 503-315-5948
County: LANE
Activity Status: ACTIVE -- [History](#)
Number of Connections: 1
Regulating Agency: [LANE COUNTY](#)
Owner Type: FEDERAL AGENCY

Population: 25

Operating Period: May 1 to September 30

Certified Operator(s)

Showing 1 to 10 of 10 records

Alert Type	Alert ID	Sample Date	Alert Date	Contact Report	Location	Analyte	Result	Current Alert Level
<div>All Types</div>						<div>All Analytes</div>		
TCR	TCR-313	05/03/2023	05/04/2023	05/05/2023	DIST-A	COLIFORM, TOTAL (TCR)	Present	Present
TCR	COLI18180	09/06/2018	09/10/2018	09/10/2018	DIST-A	COLIFORM, TOTAL (TCR)	Present	Present
TCR	COLI18144	08/29/2018	08/30/2018	09/05/2018	DIST-A	COLIFORM, TOTAL (TCR)	Present	Present
TCR	COLI11787	07/03/2013	07/05/2013	07/05/2013	SRC-AA	COLIFORM, E. COLI	Present	Present
Notice - Source	COLI11787	07/03/2013	07/05/2013	07/05/2013	SRC-AA	COLIFORM, TOTAL (TCR)	Present	Present

1. Survey Planning and Preparation

Monitoring

Yes No

☐ ☐ ● All MCL violations addressed? ☐ N/A

☐ ☐ ● Coliform sampling plan?

☐ ☐ ● Previous 12 months of routine coliform sampling up to date?

☐ ☐ ● Source sampling up to date? ☐ N/A

☐ ☐ ● Nitrate sampling up to date?

☐ ☐ ● Initial arsenic test done?

☐ ☐ All violations from the past 2 years resolved? ☐ N/A – no violations

[Alerts](#)

Page 7 on survey form for TNCs.

For Community WS:
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1. Survey Planning and Preparation

Coliform Results

Recent Coliform Test Results - PWS ID: 00825 ---- SILVERTON MOBILE ESTATES

Sample Date	# Samples	Sample Type	Coliform Type	Results ID	Repeat of Sample ID	Sample Site	Facility	CI Residual	Receive Date
May 04, 2023	1	RT	Total	Absent--20230504033		SPACE 49 OS TAP	DIST-A	0.00	May 12, 2023
Apr 05, 2023	1	RT	Total	Absent--20230405049		SPACE 1 OS TAP	DIST-A		Apr 18, 2023
Mar 08, 2023	1	RT	Total	Absent--20230308048		SPACE 52 OS TAP	DIST-A	0.10	Mar 21, 2023
Feb 02, 2023	1	RT	Total	Absent--20230202033		SPACE 49 CLUBHOUSE	DIST-A	0.00	Feb 14, 2023
Jan 05, 2023	1	RT	Total	Absent--20230105028		SPACE 1	DIST-A		Jan 20, 2023
Dec 07, 2022	1	RT	Total	Absent--20221207074		SPACE 52	DIST-A	0.10	Dec 21, 2022
Dec 01, 2022	1	AS	Total	Absent--20221201008		WELL	SRC-AA		Dec 20, 2022
Nov 03, 2022	1	RT	Total	Absent--20221103040		SPACE 49 OS TAP	DIST-A	0.10	Nov 18, 2022
Oct 05, 2022	1	RT	Total	Absent--20221005062		SPACE 1 OS TAP	DIST-A		Oct 14, 2022
Sep 07, 2022	1	RT	Total	Absent--20220907048		SPACE 52	DIST-A	0.10	Sep 14, 2022
Aug 03, 2022	1	RT	Total	Absent--20220803082		SPACE 49	DIST-A	0.00	Aug 18, 2022



1. Survey Planning and Preparation

Recent Coliform Test Results - PWS ID: 91209 ---- CURRY CO PKS LOBSTER CREEK

Sample Date	# Samples	Sample Type	Coliform Type	Results ID	Repeat of Sample ID	Sample Site	CL	Reactive
May 11, 2023	1	RT	Total	Absent--20230651		SRC BB L91		
Dec 08, 2022	1	RT	Total	Absent--20221953		A FRAME H		
Nov 10, 2022	1	RP	Total	POSITIVE--20221817	20221793	FAUCET OS		
		RP	E.coli	Absent--20221817	20221793	FAUCET OS		
Nov 10, 2022	1	RP	Total	POSITIVE--20221816	20221793	A-FRAME H		
		RP	E.coli	Absent--20221816	20221793	A-FRAME H		
Nov 10, 2022	1	RP	Total	POSITIVE--20221815	20221793	PUMPHOUS		
		RP	E.coli	Absent--20221815	20221793	PUMPHOUS		
Nov 10, 2022	1	TG	Total	POSITIVE--20221814	20221793	L91524		
		TG	E.coli	Absent--20221814	20221793	L91524		
Nov 08, 2022	1	RT	Total	POSITIVE--20221793		A-FRAME H		
		RT	E.coli	Absent--20221793		A-FRAME H		

- The system did not report their 1st RT sample in April.
- Repeat sample testing TC+ triggered a L1 Coliform investigation. Check coliform sampling schedule.
- Why are samples collected in Nov and Dec? Discuss operating period with operator.

Operating Period: Seasonal operation: April 1 - September 30

1. Survey Planning and Preparation

Monitoring

Yes No

☐ ☐ ● All MCL violations addressed? ☐ N/A

☐ ☐ ● Coliform sampling plan?

☐ ☐ ● Previous 12 months of routine coliform sampling up to date?

☐ ☐ ● Source sampling up to date? ☐ N/A

☐ ☐ ● Nitrate sampling up to date?

☐ ☐ ● Initial arsenic test done?

☐ ☐ All violations from the past 2 years resolved? ☐ N/A – no violations

Pre-survey phone
call / site verification

Alerts

Coliform Results

Page 7 on survey
form for TNCs.

For Community WS:
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1. Survey Planning and Preparation

Chemical Schedule Details

PWS ID: [94674](#) ---- SILVERTON RESERVOIR REC AREA

Chemical Sampling Schedule Status

Facility ID	Analyte or Group	Sampling Interval	Monitoring Period		Days Until End	Samples Required	Samples Received	Last Sample Date
			Start	End				
EP-A EP FOR WELL	NITRATE	Yearly	01/01/2023 - 12/31/2023		223	1	done	01/11/2023

Arsenic

6 secs

Archived Arsenic Samples

Sample ID	Sample Date	Date Received	Source Name	Source ID	Result
-1872046	05/17/1989	07/12/1989	WELL	A	ND

1. Survey Planning and Preparation

[Chemical Schedule Details](#) PWS ID: [00825](#) ---- SILVERTON MOBILE ESTATES

Chemical Sampling Schedule Status										
Facility ID	Analyte or Group			Sampling Interval	Monitoring Period		Days Until End	Samples Required	Samples Received	Last Sample Date
					Start	End				
DIST-A	DISTRIBUTION SYSTEM	LEAD & COPPER	notes	3 Years	01/01/2025 - 12/31/2025			5		07/28/2022
Seasonal sampling period: 06/01 thru 09/30										
DIST-A	DISTRIBUTION SYSTEM	STAGE 2 DBP	notes	Yearly	01/01/2023 - 12/31/2023		227	2	incomplete	07/28/2022
Seasonal sampling period: 06/01 thru 09/30										
EP-A	EP for WELL	ARSENIC	notes	9 Years	01/01/2023 - 12/31/2031		3,149	1	incomplete	11/13/2019
EP-A	EP for WELL	IOC	notes	9 Years	01/01/2020 - 12/31/2028		2,054	1	incomplete	11/13/2019
EP-A	EP for WELL	NITRATE		Yearly	01/01/2023 - 12/31/2023		227	1	incomplete	07/28/2022
EP-A	EP for WELL	NITRITE	notes	9 Years	01/01/2020 - 12/31/2028		2,054	1	incomplete	11/13/2019
EP-A	EP for WELL	RAD - GROSS ALPHA		6 Years	01/01/2020 - 12/31/2025		958	1	done	03/29/2021
EP-A	EP for WELL	RAD - RADIUM 226/228		9 Years	01/01/2020 - 12/31/2028		2,054	1	done	10/19/2020
EP-A	EP for WELL	RAD - URANIUM	notes	9 Years	01/01/2017 - 12/31/2025		958	1	done	03/29/2021
EP-A	EP for WELL	SOC		3 Years	01/01/2023 - 12/31/2025		958	1	incomplete	10/19/2020
EP-A	EP for WELL	VOLATILE ORGANICS		3 Years	01/01/2023 - 12/31/2025		958	1	incomplete	10/19/2020

Important:

- Check for possible reductions or increases due to detection.

Use the Monitoring Resource on DWS website:

<https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENT/S/DRINKINGWATER/PARTNERS/Pages/monitoring.aspx>



1. Survey Planning and Preparation

Monitoring

Yes No

☐ ☐ ● All MCL violations addressed? ☐ N/A

☐ ☐ ● Coliform sampling plan?

☐ ☐ ● Previous 12 months of routine coliform sampling up to date?

☐ ☐ ● Source sampling up to date? ☐ N/A

☐ ☐ ● Nitrate sampling up to date?

☐ ☐ ● Initial arsenic test done?

☐ ☐ All violations from the past 2 years resolved? ☐ N/A – no violations

[Alerts](#)

Pre-survey phone call / site verification

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Page 7 on survey form for TNCs.

For Community WS:
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1. Survey Planning and Preparation

Violations

PWS ID: [00825](#) ---- SILVERTON MOBILE ESTATES

For questions regarding these violations contact: MARION COUNTY ---- Greg DeBlase/Alisa Zastoupil/Andrew Duncan ---- (503) 588-5407

Violations are displayed for the last 5 years only.

Group Abbreviations: DBP = Disinfection Byproducts

Gray shading indicates return to compliance.

[Hide Auto-RTC](#) | [Show Determination Dates](#)

[Click here](#) to see public notices.

Violation History								
Violation Number	Auto-RTC?	Monitoring Period Begin	Monitoring Period End	Facility ID	Analyte Group	Violation Type - Analyte Count Show analytes for all violations	Enforcement Action - Date Show history	Points
902640368	Y	Jan 01, 2021	Dec 31, 2021	DIST-A	DBP	DBP Late/Nonreporting - 2 Show analytes	Returned To Compliance - Aug 29, 2022	1

SYSTEM SCORE SUMMARY		Unaddressed Points:	0
		Number of years the oldest violation has been unaddressed (n):	0
		System Score:	0
		Points under formal enforcement:	0
		Points RTC'd:	1

1. Survey Planning and Preparation

Monitoring – Silverton Reservoir Rec Area

Yes No

☒ ☐ ● All MCL violations addressed? ☐ N/A

☐ ☐ ● Coliform sampling plan?

☒ ☐ ● Previous 12 months of routine coliform sampling up to date?

☐ ☐ ● Source sampling up to date? ☒ N/A

☒ ☐ ● Nitrate sampling up to date?

☒ ☐ ● Initial arsenic test done?

☒ ☐ All violations from the past 2 years resolved? ☐ N/A – no violations

Alerts

Pre-survey phone call / site verification

Coliform Results

Chemical Schedule Details

Violations

Page 7 on survey form for TNCs.

For Community WS:
Page 15

1. Survey Planning and Preparation

Management

Yes No

☐ ☐ ● If existing PWS, major mods approved? (plan review) ☐ N/A

☐ ☐ ● If new PWS, PR approval? ☐ N/A

☐ ☐ Emergency response plan?

☐ ☐ ● Operations and maint. manual?

☐ ☐ ● PNC resolved or in compliance w/ AO? ☐ N/A

☐ ☐ ● Public notice issued as req.? ☐ N/A

Data Online Links:

Plan Review

Pre-survey phone call / site verification

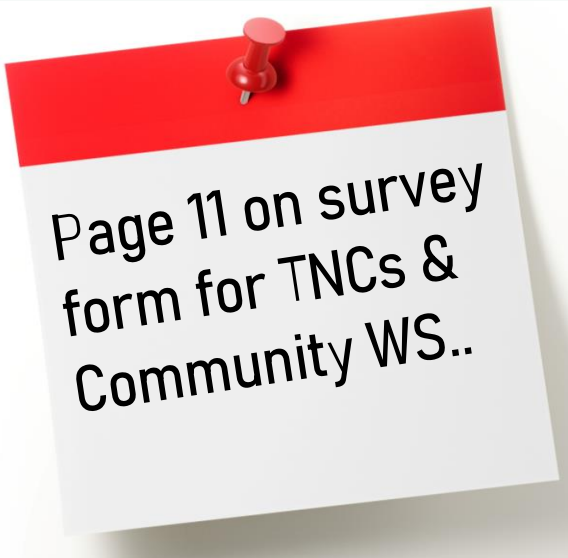
Compliance & Enforcement

Public Notice

Page 7 on survey form for TNCs.

Page 16 For Community WS

1. Survey Planning and Preparation

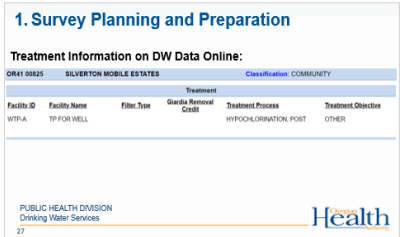


Treatment				
Process Used*	Chemical Added**	Purpose	Location in System	Code***
Hypochlorination	Sodium Hypochlorite	Residual Maintenance / Other		X421

*See "Treatment Plant Inspection" page for details on filtration. **See "Disinfection" page for details on disinfection equipment. ***See Treatment Codes on back.

See treatment codes on page 12 of survey forms

DW Data Online:
[System Info](#)



1. Survey Planning and Preparation

Treatment Information on DW Data Online:

OR41 00825		SILVERTON MOBILE ESTATES		Classification: COMMUNITY	
Treatment					
Facility ID	Facility Name	Filter Type	Giardia Removal Credit	Treatment Process	Treatment Objective
WTP-A	TP FOR WELL			HYPOCHLORINATION, POST	OTHER

1. Survey Planning and Preparation

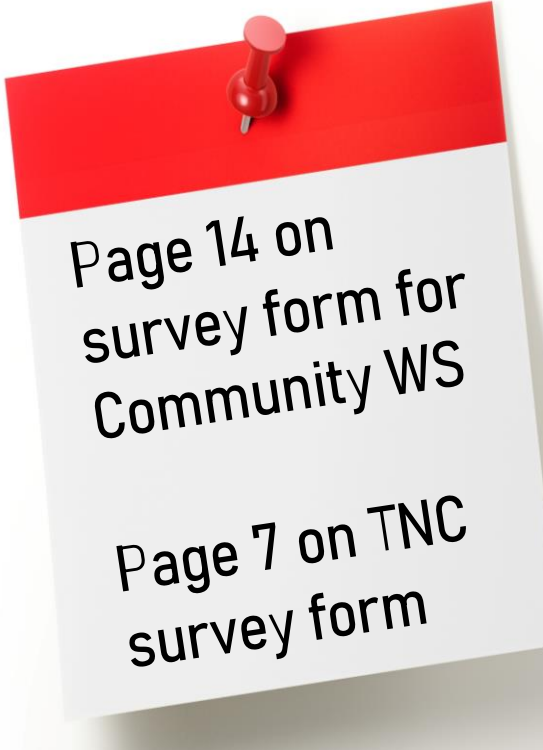
Silverton Mobile Estates

Cross Connection/Backflow Prevention Information (Last 3 Records)

<u>Enabling Authority Received</u>	<u>Annual Summary Report Received</u>	<u>Fee Invoice Paid</u>
Yes (PDF)	2022 (PDF)	2023
	2021 (PDF)	2022
	2020 (PDF)	2021

Cross Connection Control (CWS, NTNC, and TNC)

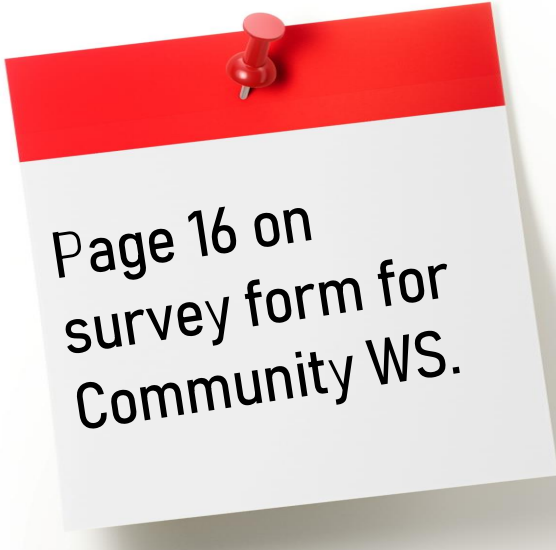
Yes	No	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	● Assemblies tested annually? (CWS, NTNC, TNC)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	● Ordinance or enabling authority? (CWS)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	● Annual Summary Report submitted? (CWS)
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	● Certified Cross Connection Control Specialist? (CWS ≥ 300 connections)



1. Survey Planning and Preparation

Silverton Mobile Estates

Consumer Confidence Reports (Last 5 Years)		
For Year	Date Received	Date Certified
2022	Due 7/1/2023	May 15, 2023
2021	Not received	Oct 14, 2022
2020	Not received	
2019	Not received	Oct 12, 2020
2018	Jul 01, 2019	



Compliance Status

Yes	No	N/A
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Is water system in compliance (all orders resolved and not a priority non-complier)?
- Does the system issue public notice as required?
- Are consumer confidence reports sent to users each year?

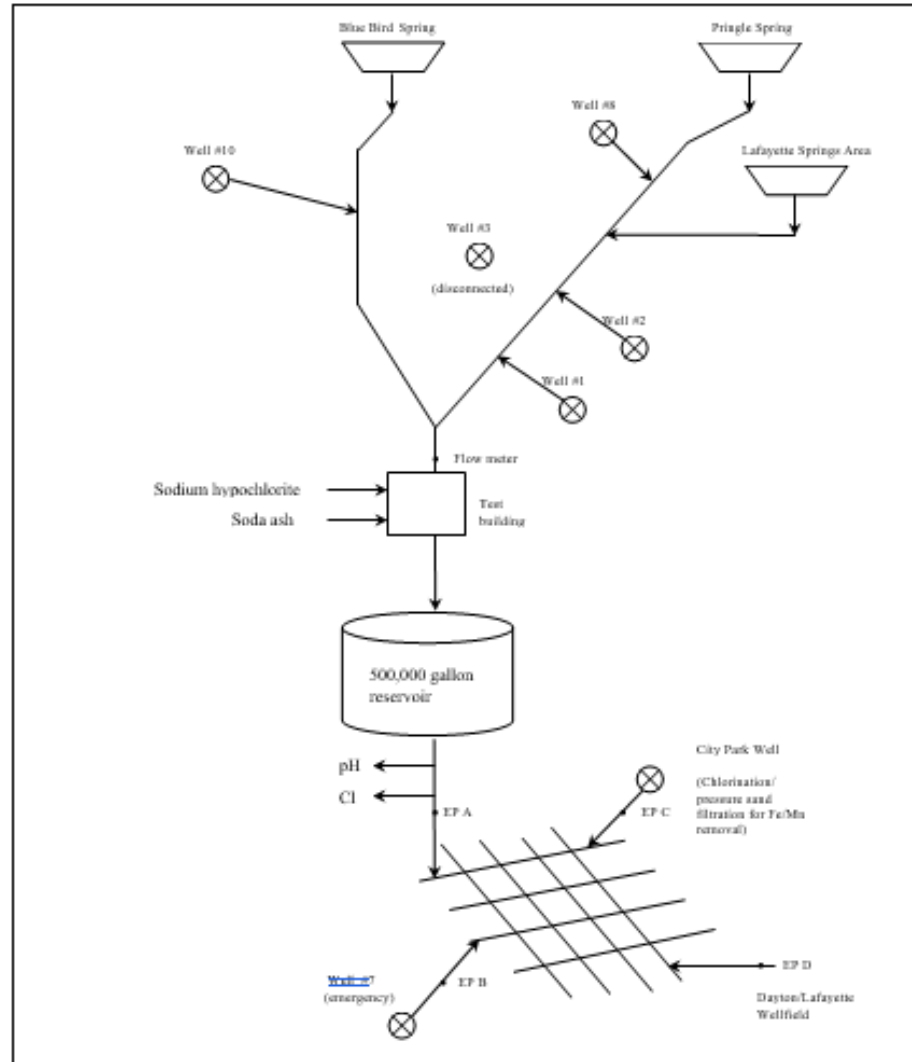
1. Survey Planning and Preparation

Water System Schematic

Check:

- Review past surveys
- Plan review doc/link
- Contact reports
- Pre-survey call: Ask operator for updates to the system

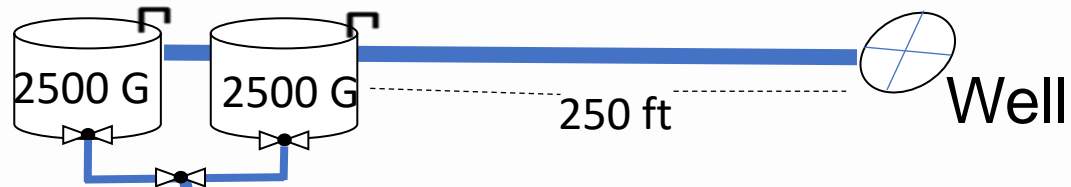
PUBLIC HEALTH DIVISION
Drinking Water Services



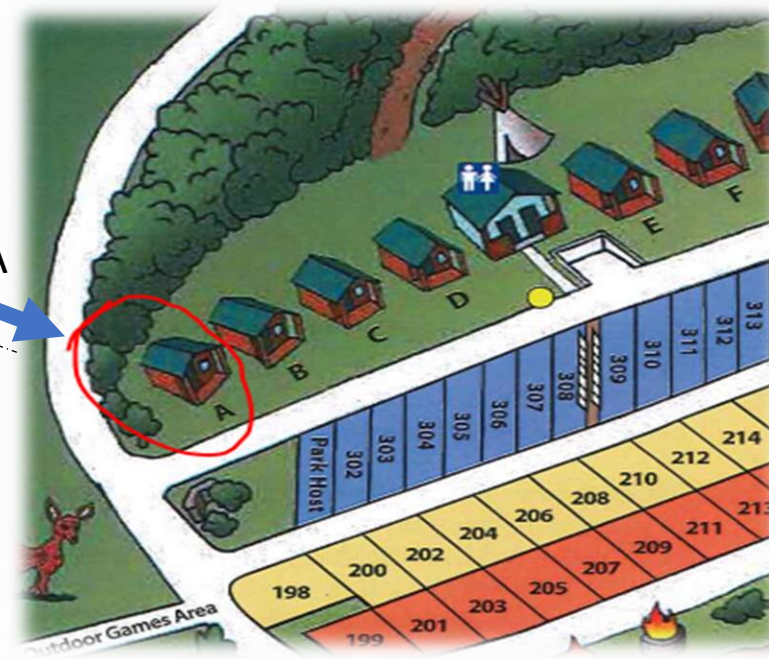
Page 5 on survey forms for TNCs and Community WS

1. Survey Planning and Preparation

Water System Schematic – Example 2



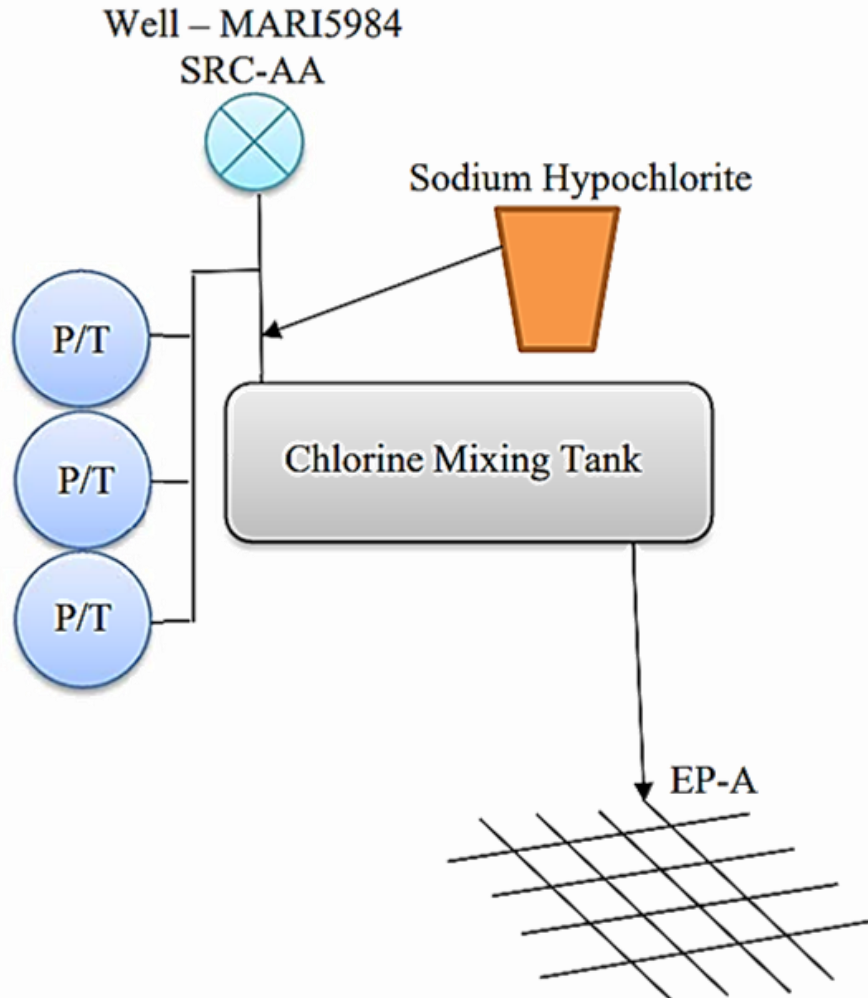
Link to symbols for
schematics and
sample WS
schematics: [Click here](#)



PUBLIC HEALTH DIVISION
Drinking Water Services

1. Survey Planning and Preparation

Water System Schematic – Example 3



Link to symbols for schematics and sample WS schematics: [Click here](#)

1. Survey Planning and Preparation

Storage and Pressure Tanks

Number	Name	Tank Material

Reservoir Features	Reservoir Number:
Fence/gate?	
● Hatch secured (e.g. locked, bolted, etc.)?	
● All tank access points watertight?	
● Screened vent?	
Overflow?	
● Overflow protected (screen/flap/valve)?	
Drain to daylight?	
Water level gauge?	
Bypass piping? (● if used for contact time)	
Alarm for high or low levels?	
Separate inlet/outlet?	
Approved interior coating?	
Exterior in good condition?	
Annual interior/exterior inspection?	
Cleaning schedule?	
Continuously disinfected? (● post '81 redwood)	



Request pictures of:

- Vents
- Overflows
- Drain outlets
- Roof / wall penetrations

Page 13 on survey form for TNCs & Community WS..



PUBLIC HEALTH DIVISION
Drinking Water Services

Oregon
Health
Authority

1. Survey Planning and Preparation

Examples of pictures needed to identify storage tank deficiencies



Drain protected
with screen

PUBLIC HEALTH DIVISION
Drinking Water Services



Storage Tank / Name
Location: address or
20° 55'32"N 156°18'58"W

Hatch open
& closed

1. Survey Planning and Preparation

Examples of pictures needed to identify storage tank deficiencies

:



Protective flap on
drain line



Screened vent

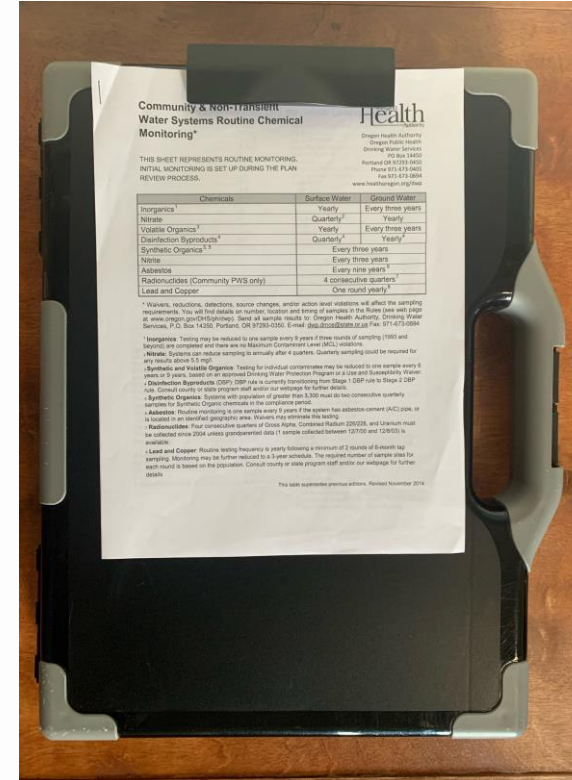


Tank Built in 06/1991
Storage cap: 1 MG

PUBLIC HEALTH DIVISION
Drinking Water Services

1. Survey Planning and Preparation

- **Prepare field equipment:** survey form, testing equipment, safety gear and support equipment (camera, tape measure, flashlight, small rag, paper towel, etc.).



2. Conducting the On-site Survey



PUBLIC HEALTH DIVISION
Drinking Water Services

Questions?

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Kent Downs

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Drinking Water Services

