

Water Report

Client: Morrow County
 PO Box 788
 Heppner, OR 97836

Work Order: 2205324
Project Name: N Water Survey
Project Number: N Water Survey
Date Collected: 05/17/2022
Date Received: 05/18/2022
Date Reported: 05/20/2022

Analysis	Result	Flag	Units	MCL	Analyzed	Method	Analyst
2205324-01: A1 (Potable)							
Nitrate as Nitrogen (NO3-N)	11.3		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-02: A2 (Potable)							
Nitrate as Nitrogen (NO3-N)	43.1		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-03: A3 (Potable)							
Nitrate as Nitrogen (NO3-N)	37.0		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-04: A4 (Potable)							
Nitrate as Nitrogen (NO3-N)	36.4		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-05: A5 (Potable)							
Nitrate as Nitrogen (NO3-N)	40.8		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-06: A6 (Potable)							
Nitrate as Nitrogen (NO3-N)	39.6		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-07: A7 (Potable)							
Nitrate as Nitrogen (NO3-N)	11.7		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-08: A8 (Potable)							
Nitrate as Nitrogen (NO3-N)	23.4		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-09: A9 (Potable)							
Nitrate as Nitrogen (NO3-N)	27.7		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-10: A10 (Potable)							
Nitrate as Nitrogen (NO3-N)	28.0		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-11: L1 (Potable)							
Nitrate as Nitrogen (NO3-N)	28.0		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-12: L2 (Potable)							
Nitrate as Nitrogen (NO3-N)	27.3		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-13: L3 (Potable)							
Nitrate as Nitrogen (NO3-N)	29.1		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-14: L4 (Potable)							
Nitrate as Nitrogen (NO3-N)	32.6		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-15: L5 (Potable)							
Nitrate as Nitrogen (NO3-N)	41.6		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF
2205324-16: L6 (Potable)							
Nitrate as Nitrogen (NO3-N)	41.4		mg/L	10.0	5/19/2022	SM 4500 NO3-F	MF



Claire Mitchell, Project Coordinator

Water Report

Client: Morrow County
 PO Box 788
 Heppner, OR 97836

Work Order: 2205324
Project Name: N Water Survey
Project Number: N Water Survey
Date Collected: 05/17/2022
Date Received: 05/18/2022
Date Reported: 05/20/2022

2205324-17: L7 (Potable)							
Nitrate as Nitrogen (NO3-N)	35.5	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-18: L8 (Potable)							
Nitrate as Nitrogen (NO3-N)	35.0	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-19: L9 (Potable)							
Nitrate as Nitrogen (NO3-N)	35.8	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-20: L10 (Potable)							
Nitrate as Nitrogen (NO3-N)	35.9	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-21: L11 (Potable)							
Nitrate as Nitrogen (NO3-N)	27.5	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-22: L12 (Potable)							
Nitrate as Nitrogen (NO3-N)	28.6	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF
2205324-23: L13 (Potable)							
Nitrate as Nitrogen (NO3-N)	4.76	mg/L	10.0	5/19/2022	SM 4500 NO3-F		MF

Notes and Definitions

Item Description

MCL The Maximum Contaminant Level (MCL) is a standard set by the Environmental Protection Agency for drinking water quality. The MCL is the legal limit on the amount of a specific contaminant allowed in a public water system under the Safe Drinking Water Act.

The MCL for Nitrate is 10 mg/L. If this result is for a public water system and the contaminant amount is equal to or in excess of the MCL, immediately contact your regional DOH Office. If this result is for a private well or residence, it is recommended to speak with a water treatment professional to discuss further actions.

What are coliforms?

Coliforms are a group of bacteria naturally found in the fecal matter of humans and animals. These bacteria can contaminate plants, soil and water. *E. coli* is a specific coliform bacteria that may cause serious illness. There are many possible pathogens present in a water sample. Therefore, water systems are tested for indicators such as total coliform or *E. coli* to monitor water quality.

What does a positive coliform test result mean?

A positive coliform test means possible water contamination and a risk of waterborne disease. A positive test for fecal coliform or *E. coli* requires immediate action such as a well treatment.



Claire Mitchell, Project Coordinator



Oregon Drinking Water Sample Information

REPORTING CONTACT		BILLING CONTACT	
Report to: <u>MORROW County</u>		Bill To:	
Address: <u>PO Joberty @ co.morrow.or.us</u>		Address: <u>PO Box 799</u>	
City:	State:	Zip:	
City: <u>Heppner</u>	State: <u>OR</u>	Zip: <u>97818</u>	
Phone: <u>541.571.0584</u>	Fax:	Phone:	Fax:
Email:		P.O. #	
Contact: <u>Jim Doherty</u>		Email: <u>Plutcher@co.morrow.or.us</u>	
Project Name: <u>Nitrate water survey</u>			
Requested Turn-around time (please call in advance for priority service):			
<input checked="" type="checkbox"/> Normal (7-10 business days) <input type="checkbox"/> Rush (50% surcharge, 3-5 business days*) <input type="checkbox"/> Priority (100% surcharge, 1-2 days*)			
*Some exclusions apply; please call with any questions about turn-around time for specific analyses.			
REQUIRED SAMPLING INFORMATION			
<input checked="" type="checkbox"/> Investigative <input type="checkbox"/> Compliance (Results will be sent to you and the state) <input type="checkbox"/> Real Estate Transaction			
Date Collected: <u>5/17/2022</u> Time Collected: <u>3:15</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM			
Collected By: <u>Mal: ry-</u> Phone: <u>541 256 0514</u>			
Specific location where sample was taken (e.g. "Kitchen Sink"): <u>L1 thru L13 & Although A10 (total 23)</u>			
PUBLIC WATER SYSTEM (ONLY)			
System ID #		County:	
System Name:			
Sample Taken: <input type="checkbox"/> At Source (SRC-) <input type="checkbox"/> At Entry Point (EP-) <input type="checkbox"/> In Distribution (DIST-)			
Treatment Type: <input type="checkbox"/> None <input type="checkbox"/> Chlorination <input type="checkbox"/> Other			
Residual Chlorine: mg/L			
Sample Type: <input type="checkbox"/> Routine <input type="checkbox"/> Special <input type="checkbox"/> Assessment <input type="checkbox"/> Other			
Initial Positive ID:		Date of Initial Positive:	
ANALYSIS TO PERFORM			
<input checked="" type="checkbox"/> Nitrate (NO3-N)		<input type="checkbox"/> Lead & Copper	
<input type="checkbox"/> Arsenic		<input type="checkbox"/> Total Coliform & E. coli (P/A)	
<input type="checkbox"/> Metals (please circle): Al, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Hg, Ni, Se, Ag, Na, Tl, V, Zn			
<input type="checkbox"/> Other:			
Relinquished by (Please print)			Date & Time:
Relinquished by (Signature): <u>Dropped off in box @ Umatilla Ofc.</u>			
FOR LABORATORY USE ONLY			
Date & Time Received at Lab		Received by (Signature)	
<u>5/18/2022 0805</u>		<u>[Signature]</u>	
MCL Exceedance/Positive Bacteria Contact		Date/Time	

2205324-01-23

10.7°C

Othello, WA
Main Office - Billing
119 E Main St
Othello, WA 99344
T: (509) 488-0112

Pasco, WA
Environmental Lab
1320 E. Spokane St, Suite C
Pasco, WA 99301
T: (509) 547-3838

Umatilla, OR
Oregon Office
1300 6th St, Suite J
Umatilla, OR 97882
T: (541) 922-6435