

Level 2 Coliform Investigation Form Oregon Health Authority, Drinking Water Services

PWS Name:						PWS ID	#: 41
	NI					T.1	
On a section in Discret Dans and it to Other (DDC)	Name					Telepho	ne #
Operator in Direct Responsible Charge (DRC)							
Person that collected samples if different than DRC							
Date of Investigation:							
		INVESTIGATIO	N DETAILS				
Groundwater Source	Well/Spr	ing Well/Spri	ng Well/Sp	ring Well	l/Spring		
Inspect each groundwater source for physical defects and	Name	Name	Nam	e N	lame	N/A	If Yes, describe issue
report:							
1. Cracks or holes in well seal or casing	Y N] Y	Y□ N[] Y	N		
Wellhead lacks a watertight seal	Y N] Y N	Y N] Y [N		
3. Screen for well vent missing or damaged	Y N] Y N	Y N] Y	N		
4. Wellhead subjected to flooding or standing water near well	Y N] Y N	Y□ N[] Y	N		
5. Leaking sewer lines or septic tanks near well/spring	Y N] Y N	Y N] Y	N		
6. Feces, fecal source observed near well/spring	Y N] Y N	Y N	Y	N		
7. Unsanitary conditions at the well/spring	Y N] Y N	Y N	Y	N		
8. Contamination during pump repair/replacement or other	Y N] Y N	Y N[] Y	N		
wellhead/spring repair	_			_			
9. Use of an unapproved or untested source	Y N	Y N	Y N		N		
10. Indication of surface water entering springbox	Y N] Y N	Y N		N_		
11. Cracks or holes in springbox	Y N] Y N	Y□ N[] Y	N		
	Plant	Plant	Plant	Plant			
Treatment and Disinfection	Name	Name	Name	Name	N/A		If Yes, describe issue
Inspect each treatment plant for physical defects and report:							
Inability to maintain residual throughout the distribution system	Y N] Y	Y N	Y N			
Failure of disinfection equipment	Y N		Y N	Y N			
Failure to monitor and replace chlorine supply	YN		YNN	YN	+		
Improper chlorine residual measurements (method or	YN		YNN	YN			
frequency)	' ' '	ַ	' ' ' '				
5. Failure to meet required minimum chlorine residual at the	Y N] Y N	YN	Y N			
entry point (GW only)	' - ' - ' -						

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Treatment and Disinfection	Plant Name	Plant Name	Plant Name	Plant Name	N/A	If Yes, describe issue
Inspect each treatment plant for physical defects and report:						
6. Failure to meet CTs at all times (SW only)	Y N	Y N	Y N	Y N		
7. Failure to meet turbidity standards (SW only)	Y N	Y N	Y N	Y N		
8. Failure to meet filtration requirements (SW only)	Y N	Y N	Y N	Y N		
	1		1	•	_	
	Tank	Tank	Tank	Tank		
Storage Tanks	Name	Name	Name	Name	N/A	If Yes, describe issue
Inspect each storage tank for physical defects and report:						
1. Holes in tank that could allow entry of insects or small	Y□ N□	Y□ N□	Y N	Y□ N□		
animal						
2. Roof access hatch or other openings inadequately sealed	Y N	Y N	Y N	Y N	<u> </u>	
3. Vent screens missing or damaged	Y N	Y N	Y N	Y N	\perp	
4. Screen or flap valve on overflow pipe outlet missing or damaged	Y	Y N	Y N	Y N		
5. Presence of contamination in tank (example: dead animals, insects)	Y	Y N	Y N	Y N		
6. Recent maintenance or work done on the tank	Y N	Y N	Y N	Y N		
7. Improperly cleaned or maintained storage tank	Y N	YN	YN	YN		
8. Leaks in tank that could be harboring growth	YN	YN	YN	YN		
Inadequate tank controls resulting in poor turnover	Y N	YN	YN	Y N	1 🗂	
10. Bladder pressure tank waterlogged	Y N	YN	YN	YN	$\vdash \vdash$	
Distribution System Inspect the distribution system for physical defects and report:		Yes/No	N/A		lf `	Yes, describe issue
1. Failure to maintain adequate pressure or low pressure event	(example:	Y N				
pump failure leading to low pressure)	•					
2. Recent main break or repair of broken water lines		Y N				
3. New water lines or service connections added to the system		Y N				
4. Improper construction of new, replaced, or renovated lines or connections	service	Y N				
5. Known leaks in the distribution system		Y N				
6. Supervisory control and data acquisition (SCADA) and control	ol issues	Y N				
Cross Connection and Backflow		Vac/Na	NI/A		12.	Voo dooribo issue
Inspect the system for cross connections and report:		Yes/No	N/A			Yes, describe issue
Unauthorized connections to water mains		Y N				
2. Known recent unprotected backflow incident		Y N				
3. Unprotected cross connection(s) discovered (ex. unprotected	connection	Y N				

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Cross Connection and Backflow	Yes/No	N/A	If Yes, describe issue
Inspect the system for cross connections and report:	1 30/113	1471	
with a private well)			
4. Failure of installed backflow prevention devices (example: continuous	Y N		
discharge from the relief port on a device)			
5. Any water system components submerged in an underground vault	Y N		
6. Failure to test all backflow prevention devices within the last year	Y N		
	_		
Sampling Protocol	Yes/No	N/A	If Yes, describe issue
Report any defects in sampling protocol:	1 63/140	IN/A	ii res, describe issue
1. Tap flushed for less than 3 minutes	$Y \square N \square$		
2. Aerator, screen, hose, or other attachment present during sampling	Y N		
3. Leaky or swivel faucet used	Y N		
4. Samples not kept cool during storage/transportation	Y N		
5. Inside of bottle/lid touched or lid set down	Y N		
6. Heavy rainfall or wind at time of sampling	Y N		
7. Sampled at site not on coliform sampling plan or previously unused site	Y N		
8. Other sampling problems	Y \ \ \ \		
General Operations	Yes/No	N/A	If Yes, describe issue
Report any defects in general operation of the system:		14//	11 100, 00001100 10000
Power outages that affected water system facilities during the 30 days	Y N		
prior to the TC+ or EC + findings	<u> </u>		
2. Water line flushing or fire fighting event	Y□ N□		
3. Inadequate disinfection during and after repairs or new construction	Y N		
(example: pipe repair, well repair, new tank)			
4. Any other issues/problems/sources of contamination that may have	$Y \square N \square$		
caused the positive coliform result (e.g. vandalism; unauthorized access)			

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SUMMARY: Based on the results of the investigation an of the <i>E. coli</i> positive or multiple total coliform positive sample.		eved to be the cause(s)
CORRECTIVE ACTIONS: What actions has the water	or system taken to correct the above mentions	nd issuals)? If additional
time is needed to correct a deficiency, indicate the date that it will	I be corrected.	u issue(s)! Il additional
time is needed to correct a deficiency, indicate the date that it will	be corrected.	eu issue(s)? Il auditiolial
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Additional comments: