

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Curry

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: Jun-21

System Name: Rainbow Rock Services

WS ID #: 41-01361

Day	Turbidity							Viral CT's						
	12:00 AM [NTU]	4:00 AM [NTU]	8:00 AM [NTU]	NOON [NTU]	4:00 PM [NTU]	8:00 PM [NTU]	Highest NTU of the day ¹	Minimum Cl ₂ Residual at 1st User C [mg/L] ²	Contact Time (T) [minutes]	Actual CT C X T	Temp C	pH	Required CT Use Tables	Required CT Met? ² (Yes / No)
1				0.01			0.16	0.52	71	36.92	13.4	7.02	6	Yes
2			0.01	0.21			0.21	0.99	71	70.29	13.4	6.97	6	Yes
3			0.01	0.01	0.01		0.01	0.40	71	28.40	14.5	7.07	6	Yes
4			0.01	0.01			0.01	0.78	71	55.38	14.0	7.19	6	Yes
5														
6														
7			0.01	0.01			0.01	0.68	71	48.28	13.4	6.99	6	Yes
8			0.01	0.01			0.01	0.95	71	67.45	13.3	6.90	6	Yes
9			0.01	0.02			0.05	0.55	71	39.05	13.3	6.92	6	Yes
10			0.03	0.03			0.03	0.72	71	51.12	13.4	7.05	6	Yes
11														
12														
13														
14			0.03	0.05			0.07	0.44	71	31.24	13.2	7.12	6	Yes
15			0.03	0.02			0.03	0.94	71	66.74	12.9	7.09	6	Yes
16			0.02	0.01			0.02	0.62	71	44.02	12.6	7.07	6	Yes
17				0.02			0.03	0.39	71	27.69	13.8	7.22	6	Yes
18			0.02	0.01			0.03	0.90	71	63.90	13.0	7.13	6	Yes
19														
20														
21			0.03	0.02			0.04	0.28	71	19.88	13.1	7.29	6	Yes
22														
23					0.02	0.02	0.12	0.45	71	31.95	13.3	7.64	6	Yes
24	0.03	0.03	0.03	0.02	0.02	0.02	0.11	0.95	71	67.45	13.8	7.07	6	Yes
25	0.15	0.02	0.02	0.02	0.02	0.02	0.25	0.75	71	53.25	13.5	6.99	6	Yes
26	0.02	0.01	0.02	0.02	0.02		0.02	0.75	71	53.25	13.3	7.17	6	Yes
27														
28				0.02			0.03	0.40	71	28.40	14.0	7.20	6	Yes
29				0.01	0.01		0.01	0.32	71	22.72	14.0	7.44	6	Yes
30			0.02	0.02	0.01		0.02	0.46	71	32.66	14.1	7.19	6	Yes
31														

Conventional or Direct Filtration 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <u>Yes</u> All the 4-hour turbidity readings < 1 NTU? <u>Yes</u> All turbidity readings < IFE triggers? <u>Yes</u>		Monthly Summary (Circle Yes or No) Was CT's met everyday? <u>Yes</u> All Cl ₂ residual at entry point ≥ 0.2 mg/L? <u>Yes</u>	
Monthly UV Summary (circle Yes or No)		Phone #: 541-412-0424 Cert #: T-6161 FE	
Was the volume of off-spec water produced less than 5% for the month? <u>N/A</u>		Date: <u>7/2/21</u>	
		Printed Name: Mark Haglund	
		Signature: <i>Mark Haglund</i>	

¹ If one NTU value per day measured, value same as Compliance Turbidity. Intended for multiple readings per day. Used for optimization efforts only.
 Highest NTU of the day is for optimization, not complianc. Highest is only for stat-wide tracking of performance among all treatment systems.
² If CT not met - see chart below or Cl₂ at entry point < 0.2 mg/L, notify DWS within 24 hours.
³ IFE = Individual Filter Effluent (OAE 333-061-0040(1)(e)(B&C))

Temp C	0 - 4.9	5.0 - 9.9	10.0 - 14.9	15.0 - 19.9	20 - 24.9	≥ 25.0 C
Required CT	12	8	6	4	3	2

Oregon DHS - Drinking Water Services – Turbidity Monitoring Report Form

System Name: Rainbow Rock Services ID# 41 0361 Month/Year: Jun / 2021

DAY	12:00 AM (NTU)	4:00 AM (NTU)	8:00 AM (NTU)	NOON (NTU)	4:00 PM (NTU)	8:00 PM (NTU)	Highest Reading of the Day ¹ (NTU)	Peak Hourly Demand Flow (GPM)
1				0.01	0.01		0.16	20
2			0.01	0.21			0.21	20
3			0.01	0.01			0.01	20
4			0.01	0.01	0.01		0.01	20
5								
6								
7			0.01	0.01			0.01	20
8			0.01	0.01			0.01	20
9			0.01	0.02			0.05	20
10			0.03	0.03			0.03	20
11								
12								
13								
14			0.03	0.05			0.07	20
15			0.03	0.02			0.03	20
16			0.02	0.01			0.02	20
17				0.02			0.03	20
18			0.02	0.01			0.03	20
19								
20								
21			0.03	0.02			0.04	20
22								
23					0.02	0.02	0.12	20
24	0.03	0.03	0.03	0.02	0.02	0.02	0.11	20
25	0.15	0.02	0.02	0.02	0.02	0.02	0.25	20
26	0.02	0.01	0.02	0.02	0.02		0.02	20
27								
28				0.02			0.03	20
29				0.01	0.01		0.01	20
30			0.02	0.02	0.01		0.02	20
31								

<p>Conventional or Direct Filtration Monthly Summary</p> <p>95% of the 4-hour turbidity readings ≤ 0.3 NTU? <u>Yes</u></p> <p>All the 4-hour turbidity readings < 1 NTU? <u>Yes</u></p> <p>All turbidity readings < IFE triggers? ² <u>Yes</u></p> <p style="text-align: center;">- OR -</p> <p>Slow Sand/Cartridge/Membrane/DE Filtration</p> <p>95% of turbidity readings ≤ 1 NTU? Yes / No</p> <p>All turbidity readings < 5 NTU? Yes / No</p>	<p>Monthly UV Summary (Circle Yes or No)</p> <p style="text-align: center;">Is any off-spec water produced in the month?</p> <p style="text-align: center;"><u>No</u></p> <p>PRINTED NAME: Mark Haglund</p> <p>SIGNATURE: <i>Mark Haglund</i> 7/2/2021</p> <p>PHONE #: (541) 412-0424 CERT #: T-6161 FE</p> <p>Is there 4-log virus inactivation provided with <input type="checkbox"/> Chlorine; <input checked="" type="checkbox"/> Other: We have CI2 and UV <u>Yes</u> CT_{Viral}: Required = Achieved =</p>
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¹ Including continuous NTU data, if applicable, for optimization recording purposes

² IFE = Individual Filter Effluent

Oregon DHS - Drinking Water Services – Surface Water Quality Data

County: Curry

System Name: Rainbow Rock Services

ID# 41 01361

Month/Year: Jun / 2021

Minimum UVT [%] during month: -

Duty sensor variation from reference sensor %: -

Minimum Validated UVT : {Insert Req'd Value}

Min. UV Dose achieved/intended this month: 55.6 / 40 mJ/cm2

Date	Peak Hourly Demand Flow	Minimum Intensity	Minimum Dose	All Lamps On?	Daily Water Produced {A}	Water outside Validated Conditions {B}	Cumulative % Off-Spec Water Produced
	[gpm/unit]	[mW/cm ²]	[mJ/cm ²]	[Y or N]	[gal]	[gal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	20		55.8	Y	8377.6	0	0
2	20		56.0	Y	4188	0	0
3	20		56.1	Y	5012	0	0
4	20		56.9	Y	13090	0	0
5							
6							
7	20		56.0	Y	9200	0	0
8	20		55.8	Y	8901.2	0	0
9	20		55.6	Y	8078.4	0	0
10	20		56.4	Y	8751.6	0	0
11							
12							
13							
14	20		57.4	Y	8003.6	0	0
15	20		57.2	Y	10098	0	0
16	20		57.5	Y	10172.8	0	0
17	20		57.4	Y	6806.8	0	0
18	20		57.9	Y	9798.8	0	0
19							
20							
21	20		58.0	Y	6657.2	0	0
22							
23	20		56.0	Y	23786	0	0
24	20		58.4	Y	25656	0	0
25	20		58.0	Y	9999.6	0	0
26	20		57.5	Y	28947	0	0
27							
28	20		58.8	Y	7854	0	0
29	20		58.2	Y	9499.6	0	0
30	20		58.2	Y	11369	0	0
31							
Monthly Cumulative % Off-Spec Water Produced							0

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Signature: *Mark Hagedorn*

Op Cert #: T-6161 FE

Date: 7/2/2021