

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Curry

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: May-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 Cl2 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														
2														
3				0.04			0.04	0.41	71	29.11	12.2	7.42	6	Yes
4				0.04			0.05	0.30	71	21.30	12.1	7.46	6	Yes
5			0.05	0.04			0.05	0.27	71	19.17	12.3	7.45	6	Yes
6				0.04			0.05	0.55	71	39.05	12.0	7.29	6	Yes
7														
8														
9														
10				0.04	0.04		0.06	0.30	71	21.30	12.2	7.44	6	Yes
11														
12				0.05			0.20	0.20	71	14.20	12.6	7.55	6	Yes
13			0.06	0.05			0.06	0.45	71	31.95	12.8	7.50	6	Yes
14			0.09	0.05			0.09	0.37	71	26.27	13.0	7.48	6	Yes
15														
16														
17			0.07	0.04			0.07	0.40	71	28.40	12.8	6.93	6	Yes
18				0.04			0.06	0.40	71	28.40	12.8	7.43	6	Yes
19			0.05	0.05			0.06	0.70	71	49.70	12.5	6.96	6	Yes
20														
21				0.05			0.05	0.55	71	39.05	12.2	7.06	6	Yes
22														
23														
24				0.06			0.06	0.15	71	10.65	12.8	7.28	6	Yes
25			0.11	0.10			0.11	0.65	71	46.15	13.0	7.30	6	Yes
26				0.13			0.13	0.85	71	60.35	13.0	6.90	6	Yes
27														
28				0.18			0.20	0.60	71	42.60	12.5	7.03	6	Yes
29														
30														
31														

Conventional or Direct Filtration		Monthly Summary (Circle Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	Yes	Was CT's met everyday?	All Cl2 residual at entry point ≥ 0.2 mg/L ?
All the 4-hour turbidity readings <1 NTU?	Yes	Yes	Yes
All turbidity readings < IFE triggers?	Yes		
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?	N/A	Date: 6/3/2021	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)(a)(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# 41-01361** **Month/Year: May / 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								
2								
3				0.04			0.04	
4				0.04			0.05	
5			0.05	0.04			0.05	
6				0.04			0.05	
7								
8								
9								
10				0.04	0.04		0.06	
11								
12				0.05			0.20	
13			0.06	0.05			0.06	
14			0.09	0.05			0.09	
15								
16								
17			0.07	0.04			0.07	
18				0.04			0.05	
19			0.05	0.05			0.06	
20								
21				0.05			0.05	
22								
23								
24				0.06			0.06	
25			0.11	0.10			0.11	
26				0.13			0.13	
27								
28				0.18			0.20	
29								
30								
31								

Conventional or Direct Filtration Monthly Summary		Monthly UV Summary (Circle Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	Yes	Is any off-spec water produced in the month? No	
All the 4-hour turbidity readings < 1 NTU?	Yes		
All turbidity readings < IFE triggers? ²	Yes		
- OR -		PRINTED NAME: Mark Haglund	
Slow Sand/Cartridge/Membrane/DE Filtration		SIGNATURE: <i>Mark Haglund</i>	DATE: 6/3/21
95% of turbidity readings ≤ 1 NTU?	Yes / No	PHONE #: (541) 412-0424	CERT #: T-6161 FE
All turbidity readings < 5 NTU?	Yes / No		
Is there 4-log virus inactivation provided with <input type="checkbox"/> Chlorine;		X Other Both Cl2 and UV	Yes
			CT _{viral} : Required = Achieved =

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: May / 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: 53.8/ 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		53.8	Y	8228	0	0
2							
3							
4	20		54.6	Y	9125.6	0	0
5	20		53.9	Y	9125.6	0	0
6	20		54.5	Y	6358	0	0
7							
8							
9							
10	20		53.8	Y	8976	0	0
11							
12	20		54.4	Y	15483.6	0	0
13	20		54.8	Y	9499.6	0	0
14	20		54.9	Y	8153.2	0	0
15							
16							
17	20		56.2	Y	8153.2	0	0
18	20		56.4	Y	6732	0	0
19	20		53.8	Y	8901.2	0	0
20							
21	20		55.2	Y	8676.8	0	0
22							
23							
24	20		56.0	Y	4712.4	0	0
25	20		56.1	Y	8302.8	0	0
26	20		56.4	Y	9050.8	0	0
27							
28	20		57.1	Y	9050.8	0	0
29							
30							
31							
Monthly Cumulative % Off-Spec Water Produced							0

rev 1/11 I:\MC\forms\Turbidity Report Form – UV and opt mod.doc

Signature: *Mark Hyland*

Op Cert #: T-6161 FE

Date: 6/3/2021