

Oregon DHS - Drinking Water Services – Turbidity Monitoring Report Form

System Name: Rainbow Rock Services **ID# 41-01361** **Month/Year: Jul / 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	0.01			0.03	20
3								
4								
5								
6			0.01	0.01			0.04	20
7			0.01	0.01			0.02	20
8			0.01	0.01	0.01		0.05	20
9			0.01	0.01			0.04	20
10								
11								
12			0.015	0.01	0.01		0.04	20
13			0.01	0.01	0.01		0.02	20
14			0.01	0.01	0.01	0.01	0.12	20
15	0.01	0.01	0.025	0.01			0.06	20
16			0.01	0.01			0.09	20
17								
18								
19			0.01	0.01			0.05	20
20			0.01	0.03			0.04	20
21			0.03	0.03			0.04	20
22			0.045	0.04			0.045	20
23			0.04	0.04			0.045	20
24								
25								
26			0.03	0.03			0.04	20
27			0.06	0.055	0.06		0.07	20
28			0.07	0.07			0.07	20
29			0.04	0.04			0.09	20
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 X	Is any off-spec water produced in the month? No	
All the 4-hour turbidity readings < 1 NTU? Yes X		
All turbidity readings < IFE triggers? ² Yes X		
- OR -	PRINTED NAME: Mark Haglund	
Slow Sand/Cartridge/Membrane/DE Filtration	SIGNATURE: <i>Mark Haglund</i>	DATE: 8/3/21
95% of turbidity readings ≤ 1 NTU? Yes / No	PHONE #: (541) 412-0424	CERT #: T-6161 FE
All turbidity readings < 5 NTU? Yes / No	X Other We have both UV and Cl2 Yes	CT _{viral} : Required = Achieved =

¹ Including continuous NTU data, if applicable, for optimization recording purposes

² IFE = Individual Filter Effluent

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Curry

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: Jul-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 CXT	Temp C	pH	Required CT Use Tables	Required CT Met? 2 [Yes / No]
1				0.01	0.01		0.16	0.64	71	45.44	14.4	7.11	6	Yes
2			0.01	0.01			0.03	0.79	71	56.09	14.6	7.15	6	Yes
3														
4														
5														
6			0.01	0.01			0.04	1.04	71	73.84	13.5	7.25	6	Yes
7			0.01	0.01			0.02	0.75	71	53.25	13.7	7.10	6	Yes
8			0.01	0.01	0.01		0.05	0.69	71	48.99	14.2	7.07	6	Yes
9			0.01	0.01			0.04	0.80	71	56.8	14.1	7.05	6	Yes
10														
11														
12			0.015	0.01	0.01		0.04	0.60	71	42.6	13.9	7.04	6	Yes
13			0.01	0.01	0.01		0.02	0.60	71	42.6	14.0	6.99	6	Yes
14			0.01	0.01	0.01	0.01	0.12	0.70	71	49.7	14.2	7.24	6	Yes
15	0.01	0.01	0.025	0.01			0.06	0.50	71	35.5	14.0	7.15	6	Yes
16			0.01	0.01			0.09	0.63	71	44.73	13.6	7.06	6	Yes
17														
18														
19			0.01	0.01			0.05	0.21	71	14.91	14.4	7.15	6	Yes
20			0.01	0.03			0.04	0.70	71	49.7	14.1	7.14	6	Yes
21			0.03	0.03			0.04	0.60	71	42.60	13.0	7.15	6	Yes
22			0.045	0.04			0.045	0.50	71	35.5	13.8	7.60	6	Yes
23			0.04	0.04			0.045	0.60	71	42.6	14.0	6.96	6	Yes
24														
25														
26			0.03	0.03			0.04	0.75	71	53.25	14.1	6.93	6	Yes
27			0.06	0.055	0.06		0.07	0.70	71	49.7	14.0	7.00	6	Yes
28			0.07	0.07			0.07	0.65	71	46.15	14.5	7.22	6	Yes
29			0.04	0.04			0.09	0.33	71	23.43	14.4	7.01	6	Yes
30														
31														

Conventional or Direct Filtration		Monthly Summary (Circle Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	Yes X	Was CT's met everyday?	All Cl2 residual at entry point ≥ 0.2 mg/L ?
All the 4-hour turbidity readings < 1 NTU?	Yes X	Yes X	Yes X
All turbidity readings < IFE triggers?	Yes X		
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?	Yes / No N/A X	Date: 8/3/21	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 – Surface Water Quality Data

County: Curry

System Name: Rainbow Rock Services

ID# 41 01361

Month/Year: Jul / 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: 57.4 / 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		58.6	Y	11145	0	0
2	20		57.6	Y	10397	0	0
3							
4							
5							
6	20		57.4	Y	8452.4	0	0
7	20		57.6	Y	8602	0	0
8	20		58.2	Y	10397	0	0
9	20		58.4	Y	9724	0	0
10							
11							
12	20		59.1	Y	9874	0	0
13	20		58.4	Y	10098	0	0
14	20		58.4	Y	10023	0	0
15	20		59.9	Y	7180.8	0	0
16	20		57.6	Y	8302.8	0	0
17							
18							
19	20		58.0	Y	10098	0	0
20	20		58.2	Y	10920	0	0
21	20		59.0	Y	7106	0	0
22	20		59.1	Y	8527	0	0
23							
24							
25							
26	20		58.1	Y	9649	0	0
27	20		57.9	Y	10472	0	0
28	20		59.0	Y	10472	0	0
29	20		59.1	Y	9948	0	0
30							
31							
Monthly Cumulative % Off-Spec Water Produced							

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Signature: 

Op Cert #: T-6161 FE

Date: 8/3/2021