

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Curry

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: Jan-21

System Name: Rainbow Rock Services WS ID #: 41-1361 (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	Required CT Use Tables	Required CT Met? ² [Yes / No]	Minimum pH	Minimum Temp C
1														
2														
3														
4			0.03	0.03	0.03		0.03	0.54	71	38.34	6	Yes	7.56	12.6
5			0.07	0.03	0.03		0.07	0.94	71	66.74	6	Yes	7.23	12.4
6			0.05	0.03	0.03		0.05	0.86	71	61.06	6	Yes	7.07	11.9
7			0.08	0.03	0.03		0.08	0.85	71	60.35	6	Yes	7.08	12.0
8			0.07	0.03	0.03		0.07	0.76	71	53.96	6	Yes	7.11	12.0
9														
10														
11			0.09	0.03	0.03		0.09	0.33	71	23.43	6	Yes	7.23	12.2
12			0.20	0.24			0.24	0.34	71	24.14	6	Yes	7.08	12.2
13														
14			0.10	0.03	0.03		0.10	0.78	71	55.38	6	Yes	7.19	12.3
15			0.08	0.03	0.03		0.08	0.76	71	53.96	6	Yes	7.16	11.4
16														
17														
18														
19			0.03	0.03	0.03		0.03	0.29	71	20.59	6	Yes	7.21	13.3
20			0.03	0.03	0.03		0.03	0.71	71	50.41	6	Yes	7.20	12.8
21			0.08	0.03	0.03		0.08	0.78	71	55.38	6	Yes	7.07	12.3
22			0.18	0.03	0.03		0.18	0.86	71	61.06	6	Yes	7.04	11.2
23														
24														
25			0.07	0.03	0.03		0.07	0.52	71	36.92	6	Yes	7.10	11.2
26			0.17	0.04	0.11		0.17	0.39	71	27.69	6	Yes	6.70	10.5
27														
28			0.06	0.03	0.03		0.06	0.71	71	50.41	6	Yes	6.72	11.7
29														
30														
31														

Conventional or Direct Filtration 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / No All the 4-hour turbidity readings < 1 NTU? <input checked="" type="checkbox"/> Yes / No All turbidity readings < IFE triggers? <input checked="" type="checkbox"/> Yes / No ³		Monthly Summary (Circle Yes or No) Was CT's met everyday? <input checked="" type="checkbox"/> Yes / No All Cl2 residual at entry point ≥ 0.2 mg/L? <input checked="" type="checkbox"/> Yes / No	
Monthly UV Summary (circle Yes or No) Was the volume of off-spec water produced less than 5% for the month? <input checked="" type="checkbox"/> Yes / No N/A		Phone #: 541-412-0424 Cert #: T-6161 FE Date: 2/9/2021 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 compliance. Highest is only for stat-wide tracking of performance among all treatment systems.
 2 If CT not met - see chart on page 2 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))

Required CT for viral inactivation (for pH range of 6.0 to 9.9)						
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: Jan / 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: 63.5 / 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							
2							
3							
4	20		64.0	Y	6508	0	0
5	20		64.5	Y	8220	0	0
6	20		63.6	Y	8514	0	0
7	20		64.6	Y	7854	0	0
8	20		64.8	Y	7927	0	0
9							
10							
11	20		64.6	Y	7634	0	0
12	20		63.6	Y	3817	0	0
13							
14	20		63.8	Y	9799	0	0
15	20		64.0	Y	8004	0	0
16							
17							
18							
19	20		64.8	Y	7193	0	0
20	20		62.8	Y	7929	0	0
21	20		64.0	Y	7181	0	0
22	20		64.3	Y	6956	0	0
23							
24							
25	20		63.1	Y	7704	0	0
26	20		61.5	Y	7929	0	0
27							
28	20		63.5	Y	8004	0	0
29							
30							
31							
Monthly Cumulative % Off-Spec Water Produced							

Signature *Ann Taylor*

Op Cert #: T-6161 FE

Date: 2/9/21