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OCT 10 2023

JOHNSON CITY
ENV. FIELD OFFICE

Report of Operations of Wastewater Treatment
Elizabethton Wastewater Treatment Plant
City of Elizabethton, Tennessee
Sep-23

Date	Rain	Flow MGD		<CBOD> mg/l		Suspended Solids mg/l		Settleable Solids mg/l		Dissolved Oxygen mg/l		<--- pH --->		E-Coli	<--- Ammonia ---> mg/l		<--- Chlorine ---> mg/l		Raw Temp. °C
		Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.	Inf.	Eff.		Inf.	Eff.	Resid.	used	
1	0.00	2.322	1.900					4.5	<0.1	0.3	7.8	7.3	7.4				0.02	53	23
2	0.00	2.083	1.674															55	
3	0.00	1.965	1.557			104	1.4								16.8	0.10		59	
4	0.00	1.718	1.102			128	1.6	3.5	<0.1	0.5	7.3	7.2	7.5	2	14.2	0.10	0.01	52	23
5	0.00	1.904	1.300	190	3.8	126	1.3	5.5	<0.1	0.2	7.6	7.3	7.6				0.02	43	24
6	0.05	1.895	1.405	167	4.7	129	1.2	3.0	<0.1	0.2	7.6	7.2	7.5	3	22.6	0.10	0.02	45	24
7	1.24	2.152	1.768	146	4.7	154	2.0	3.5	0.1	0.2	7.6	7.2	7.5	12			0.02	55	24
8	0.02	2.238	1.392					4.0	<0.1	0.2	7.4	7.3	7.4				0.01	57	24
9	0.89	2.142	1.696															57	
10	0.18	1.945	2.200			120	1.8								17.5	0.10		53	
11	0.00	2.109	2.598			150	1.9	4.0	<0.1	0.2	7.6	7.2	7.4	11	18.2	0.10	0.02	64	23
12	0.21	2.196	2.627	173	3.6	138	2.2	4.5	<0.1	0.2	7.6	7.3	7.4				0.02	66	24
13	0.00	2.156	1.779	145	5.5	110	2.4	3.0	<0.1	0.2	7.5	7.3	7.4	13	15.1	0.10	0.02	57	24
14	0.00	2.103	1.719	177	4.5	122	1.8	2.5	0.1	0.2	7.5	7.2	7.4	12			0.02	55	23
15	0.00	2.034	1.670					4.0	<0.1	0.2	7.6	6.9	7.4				0.01	60	23
16	0.03	1.950	1.596															53	
17	1.10	3.236	2.572			282	4.7								11.6	0.10		66	
18	0.00	2.317	2.292			110	2.0	4.5	<0.1	0.3	7.8	7.4	7.4	7	15.5	0.10	0.01	59	23
19	0.00	2.171	1.774	142	3.1	118	2.0	3.5	<0.1	0.2	7.9	7.3	7.4				0.01	64	23
20	0.00	2.144	1.833	181	4.9	137	2.1	5.5	<0.1	0.2	7.9	7.3	7.4	5	18.4	0.10	0.02	57	23
21	0.00	2.040	1.651	207	4.2	150	1.7	4.5	<0.1	0.2	7.9	7.3	7.3	2			0.01	60	23
22	0.00	1.845	1.488					4.0	<0.1	0.2	7.9	7.3	7.3				0.01	52	22
23	0.00	1.822	1.480															57	
24	0.00	1.802	1.468			138	1.9								18.9	0.10		58	
25	0.00	2.087	1.785			156	2.3	7.0	<0.1	0.2	7.9	7.3	7.2	8	17.8	0.10	0.02	53	23
26	0.00	2.076	1.707	162	3.1	142	1.7	4.5	<0.1	0.2	7.9	7.3	7.3				0.02	50	23
27	0.10	2.104	1.725	155	3.2	180	2.2	4.5	<0.1	0.3	7.9	7.3	7.3	12	19.9	0.10	0.01	64	22
28	0.00	2.019	1.708	173	3.2	166	2.0	3.5	<0.1	0.4	7.9	7.4	7.3	3			0.02	57	22
29	0.00	1.889	1.200					3.5	<0.1	0.6	7.5	7.2	7.3				0.02	71	21
30	0.00	1.716	1.374															48	
TOT.	3.82	62.180	52.040	2018	48.5	2860	40.2	87.0	0.2	5.4	161.6	152.5	155.1	90	206.5	1.20	0.34	1700	484
AVG.	0.13	2.073	1.735	168	4.0	143	2.0	4.1	0.0	0.3	7.7	7.3	7.4	6.1	17.2	0.10	0.02	57	23
MAX.	1.24	3.236	2.627	207	5.5	282	4.7	7.0	0.1	0.6	7.9	7.4	7.6	13	22.6	0.10	0.02	71	24
MIN.	0.00	1.716	1.102	142	3.1	104	1.2	2.5	0.0	0.2	7.3	6.9	7.2	2	11.6	0.10	0.01	43	21

Remarks: PH Duplicate: 9/4/23 = 7.5
PH Duplicate: 9/18/23 = 7.4

GGA: 9/8/23 GGA In Range
GGA: 9/22/23 GGA In Range

Signed *[Signature]*
License # 3151

Date 10/4/2023
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Dewatering Results

Date	MLSS	MLSS	RAS MLSS	MLSS	Volatiles %	MLVSS	Sludge	SVI	Wet	Dewatering Results		Basin	% Vol.	Tons
	Ditch 1	Ditch 2	OX DITCHES	LBS	OX DITCHES	lbs	Age in Days	Ditches	Sludge Gallons	% Cake	Dry Tons Sludge	MLSS	Solids	Hauled
1	2930	2900	8465	87520	71	62139	43	84						
2														
3														
4	3230	3120	7450	95326	70	66728	64	87	70742	18.67	6.60	10300	68	
5														14.11
6		2810	6880	84367	71	59901	42	82						
7														
8		2550	7000	76561	71	54358	27	82						
9														
10														
11	2330	2170	3925	67554	70	47288	32	78						
12														
13	3460	4070	8070	113040	69	77998	46	80						
14														
15	3650	3700	8195	110338	69	76133	53	80						
16														
17														
18	3870	4010	9580	118295	69	81623	22	79						
19														
20	3680	3790	10500	112140	68	76255	53	78	70683	19.24	6.80	10600	67	
21														15.56
22	3800	3690	8665	112440	69	77584	49	76						
23														
24														
25	3650	3930	9835	113791	69	78516	47	74	62177	18.93	5.89	11000	67	
26														15.26
27	3750	3760	9350	112740	69	77791	45	73						
28									66550	19.04	6.34	10800		
29	3680	3550	9245	108537	69	74890	42	75						
30														
TOT.	38030	44050	107160	1312649	904	911204	565	1028	270152	75.88	26	42700	202	44.93
AVG.	3457	3388	8243	100973	70	70093	43	79	67538	18.97	6	10675	67	14.98
MAX.	3870	4070	10500	118295	71	81623	64	87	70742	19.24	7	11000	68	
MIN.	2330	2170	3925	67554	68	47288	22	73	62177	18.67	6	10300	67	

Signed *[Signature]* Date 10/1/2023