

TENNESSEE DEPARTMENT OF PUBLIC HEALTH  
WATER QUALITY CONTROL DIVISION

JKR  
WL-HLB

REPORT OF OPERATION OF INDUSTRIAL WASTE TREATMENT WORKS FOR

APRIL

2023

AT COPPER BASIN UTILITY DISTRICT

(MONTH)

(YEAR)

TURTLETOWN  
(LOCATION)

TN 005 99 35

DATE	WASTE FLOW GALLONS PER DAY	SETTLEABLE SOLIDS (ml/l)	SUSPENDED SOLIDS (mg/l)	TOTAL ALUMINUM (mg/l)	TOTAL CL2 RESIDUAL (mg/l)	PH															
1																					
2																					
3	36.0																				
4																					
5																					
6	36.0																				
7																					
8																					
9																					
10	36.0																				
11																					
12																					
13																					
14	36.0																				
15																					
16																					
17	36.0																				
18		ND	ND	0.598	0.02	7.0															
19																					
20																					
21	36.0																				
22																					
23																					
24																					
25																					
26	36.0																				
27																					
28																					
29																					
30	36.0																				
31																					
TOTAL	288																				
AVE.	36.0																				
MAX.	36.0																				
MIN.	36.0																				

REMARKS:

RECEIVED  
MAY 23 2023  
ENVIRONMENT & CONSERVATION  
CHATTAHOOGA FIELD OFFICE



DATE	JAR TEST DATA				COMPLETE APPLICABLE BLANKS EACH MONTH.	FILTER OPERATION DATA						DISINFECTION AND CT VALUES								MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE											
	RAW WATER TREATED 1,000 GALLONS	COAGULANT MGL	PH ADJUSTMENT MGL	PH		NUMBER OF FILTERS USED	FILTER HOURS - COL 54 x HOURS RUN	AVERAGE LENGTH FILTER RUN - HOURS	RATE-OF-FLOW GAUGES WORKING	LOSS-OF-HEAD GAUGES WORKING	TURBIDIMETERS WORKING	BACKWASH RATE gpm/ft <sup>2</sup>	BACKWASH WATER USED - 1,000 gallons	FIRST DISINFECTION SEQUENCE				SECOND DISINFECTION SEQUENCE				CT CALC CT REQ	TOTAL INACTIVATION RATIO	RAW	PLANT EFFLUENT	DISTRIBUTION SYSTEM	FREE CHLORINE MGL AT POINT OF METERING & DISTRIBUTION SYSTEM	STATIC PRESSURE PSI	Location of sampling point in distribution system. Must vary within system.		
														FREE CHLORINE CT	CONTACT TIME IN MINUTES	END OF SEQUENCE	CALCULATED	REQUIRED	FREE CHLORINE CT	CONTACT TIME IN MINUTES	END OF SEQUENCE									CALCULATED	REQUIRED
47	48	49	50	51	52	53						63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78				
1	484	19.1	3.9	6.5	(a) Type of Filters - Gravity																						1.2	Randy Adcock			
2	493	18.1	3.9	6.5	Pressure ( )																							1.3	Circle K Store		
3	375	19.1	3.8	6.5	(b) Number of Filters -	2	103	57.5	2	2	2	7800	36.00																1.0	John Holder	
4	464	19.1	3.9	6.5	(c) Filter Area - Sq. Ft. (Each)																								1.2	Bill Mahughan	
5	482	19.1	3.8	6.5	(d) Filter Area - Sq. Ft. (Each)	2	116	58	2	2	2	1800	36.00																1.0	Randy Raper	
6	391	19.1	3.9	6.5	(e) Total Area - Sq. Ft. -																								1.0	David Adcock	
7	460	19.1	3.9	6.5	(f) Filter Rate gpm/ft <sup>2</sup> -																								1.2	Jimmy Hemming	
8	466	19.1	3.9	6.5	(g) Filter Rate gpm/ft <sup>2</sup>																								1.0	Handeas	
9	548	19.1	3.9	6.5	(h) Total Rated Filter Capacity	2	114	57	2	2	2	1800	36.0																1.2	Steve Dilbeck	
10	420	19.1	3.9	6.5	GPM -																								1.7	Sony Griffin	
11	463	19.1	3.9	6.5	5MGD.																								1.0	KAREN RAPER	
12	456	19.1	3.9	6.5	(i) Ion Exchange Unit Regenerate																									1.1	Mike Mull
13	478	19.1	3.9	6.5	With Salt ( )	2	112	56	2	2	2	1800	36.0																1.2	Mike Davis	
14	440	19.1	3.9	6.5	KMnO4 ( )																								1.0	Justin Cochran	
15	411	19.1	3.9	6.5	Acid ( )																								1.2	Tim Hemming	
16	516	19.1	3.9	6.5		2	98	49	2	2	2	1800	36.00																1.1	Doug Dockery	
17	401	19.1	3.9	6.5																									1.0	Jason Deas	
18	487	19.1	3.9	6.5																									1.2	Lifecare Center	
19	486	19.1	3.8	6.5																									1.0	willie GREEN	
20	460	19.1	3.9	6.5		2	124	62	2	2	2	1800	36.00																1.3	Preferred Medical	
21	432	19.1	3.9	6.5																									1.0	Carol Walben	
22	480	19.1	3.9	6.5																									1.1	Justin Beck	
23	551	19.1	3.9	6.5																									1.2	Niki Brown	
24	489	19.1	3.9	6.5																									1.2	C.W Adcock	
25	445	19.1	3.9	6.5		2	155	77.5	2	2	2	1800	36.00																1.0	Folk County Rd. Dept	
26	415	19.1	3.9	6.5																										1.0	Tim Dilbeck
27	463	19.1	3.9	6.5																										1.2	Ronnie Isillard
28	459	19.1	3.9	6.5																									1.0	Charles Kimsey	
29	436	19.1	3.9	6.5																									1.2	Circle K	
30	468	19.1	3.9	6.5		2	134	67	2	2	2	1800	36.0																1.3	Jason Lander milk	
Total	13,839	573	117	195		116	956	478	16	16	16	14,400	36.00																83.7		
Ave	461	19.1	3.9	6.5		2	120	60	2	2	2	1800	36.0																	1.1	
max	551	19.1	3.9	6.5		2	155	77.5	2	2	2	1800	36.0																	1.3	
min	375	19.1	3.9	6.5		2	98	49	2	2	2	1800	36.0																	1.0	

Remarks: \_\_\_\_\_

**RECEIVED**  
**MAY 23 2023**  
 ENVIRONMENT & CONSERVATION  
 CHATTAHOOGA FIELD OFFICE

- Cost of Production
- (a) Cost of Personnel \_\_\_\_\_
- (b) Cost of Chemicals \_\_\_\_\_
- (c) Cost of Energy \_\_\_\_\_
- (d) Insurance & Misc. Cost \_\_\_\_\_
- (e) Total Production Cost \_\_\_\_\_
- (f) Cost Per MG Water Treated \_\_\_\_\_