



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL

FACILITY ACWA AirBase STP NPDES PERMIT NO. TN 0974071  
 PERMITTEE Anderson County Water Authority MONTH July 2022  
 CITY Brainerd COUNTY Anderson JUL 15 2022

OR/DMR MONTHLY OPERATION REPORT FOR PACKAGE TREATMENT PLANTS

DATE	TIME OF SAMPLING	WASTEWATER FLOW (gpd)	INFLUENT		OPERATION TESTS					EFFLUENT							SLUDGE DISPOSAL		COMMENTS ABOUT OPERATION AND COMPLIANCE
			BOD <sub>5</sub> (mg/l)	SUSPENDED SOLIDS (mg/l)	MIXED LIQUOR SUSPENDED SOLIDS (mg/l)	MIXED LIQUOR SETTLEABLE SOLIDS CYLINDER (ml/l)	AERATION TANK DISSOLVED OXYGEN (mg/l)	CLARIFIER SLUDGE DEPTH OF BED (thickness in ft)	BOD <sub>5</sub> (mg/l)	SUSPENDED SOLIDS (mg/l)	SETTLEABLE SOLIDS IMHOFF CONE (ml/l)	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (organisms/100 ml)	AMMONIA NITROGEN (mg/l)	pH (standard units)	VOLUME FROM CLARIFIER TO HOLDING TANK (gal)	VOLUME FROM HOLDING TANK TO FINAL DISPOSAL (gal)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	0830	300									TR	6.15							Temp
2	1100	400										6.69							
3	1130	300										6.29							
4	-	367										-							
5	-	367										-							
6	0930	367									TR	5.71				7.24			21.7
7	1200	300										5.44							
8	1100	600										5.95							
9	1200	400									TR	5.64				6.90			23.0
10	1200	400										5.47							
11	-	334										-							
12	-	334										-							
13	1330	334									TR	5.07				6.69			
14	1130	400										5.71							23.2
15	1100	200										6.12							
16	1200	300									TR	6.09				6.84			27.4
17	1030	300										6.28							
18	-	334										-							
19	-	334										-							
20	1145	334									TR	6.71				7.13			22.5
21	1130	200										6.54							
22	1100	200										6.34							
23	1230	400									TR	6.29				6.85			23.1
24	1000	200										6.14							
25	-	100										-							
26	-	100										-							
27	1100	100									TR	6.81				7.04			23.3
28	1030	200										6.62							
29	1200	200										NF							
30	1530	500							<2.0	<5.0	TR	6.42	NA	73.8	1.54	7.24			25.2
31																			
TOTAL		10,200							22.0	25.0				73.8	1.54				
PERMIT AVG LIMIT									20	30		5 MIN		200	1.5	6.0 MIN			
ACTUAL AVG VALUE		340							22.0	25.0		5.7 MIN		73.8	1.54	6.8 MIN			
PERMIT MAX LIMIT									25	45	1			1000	2.0	9.0			
ACTUAL MAX VALUE		600							22.0	25.0	0			73.8	1.54	7.24			
PERMIT FREQUENCY OF ANALYSIS		5/7							1/30	1/30	2/7	5/7		1/30	1/30	2/7			
ACTUAL FREQUENCY OF ANALYSIS		30							1	1	9	21		1	1	9			
PERMIT SAMPLE TYPE		Grab	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB			
ACTUAL SAMPLE TYPE		Grab							GRAB	11	11	11	N/A	61	11	11			
NO OF VIOLATIONS									0	0	0	0	0	0	0	0			

I certify that the submitted information is accurate and complete. I further certify that all sampling was performed in accordance with approved procedures and all analyses were performed in accordance with 40 CFR Part 136. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE OF OPERATOR [Signature] DATE 7/13/22  
 LICENSE NO. 2019 PHONE NO. 45-457-3033  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY Microbac  
 LABORATORY USED Microbac  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER [Signature] DATE 7/17/22

