



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER POLLUTION CONTROL

FACILITY ACWA Airbase STP NPDES PERMIT NO. TN 00 74071
PERMITTEE Anderson County Water Authority MONTH MAY 2022
CITY Brieville COUNTY Anderson

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 ₅ (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 ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	SETTLABLE 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																			
2	1200	1,300								PR	TR	6.78				7.13			16.9
3	1130	400										6.53							
4	1130	300										6.91							
5	1200	500								TR	TR	6.84				6.71			17.9
6	1000	400										6.43							
7	-	433										-							
8	-	433										-							
9	1109	433									TR	5.06				7.17			18.8
10	1200	600										5.19							
11	1400	500										6.01							
12	0930	400									TR	5.22				7.14			16.9
13	1200	300										6.12							
14	-	667										-							
15	-	667										-							
16	1130	667									TR	7.08				7.53			17.2
17	1200	500										7.11							
18	1210	600										6.67							
19	1100	300									TR	6.83				6.91			18.5
20	1400	500										6.69							
21	-	433										-							
22	-	433										-							
23	1130	433									TR	7.08				7.03			17.6
24	1200	400										7.19							
25	1000	500										7.22							
26	1200	700									TR	7.17				7.05			18.1
27	1100	1,700										7.32							
28	-	467										-							
29	-	467										-							
30	1530	1,700									TR	7.41				7.43			19.8
31	1500	500							7.65	48.0	TR	7.33		9.8	2.6	7.01			23.0
TOTAL		29,100							7.65	48.0	TR	7.33		9.8	3.6	7.01			23.0
PERMIT AVG LIMIT									20	30		5.0 MIN		200	1.5	6.0 MIN			
ACTUAL AVG VALUE		648							7.65	48.0		6.6 MIN		9.8	2.4	6.7 MIN			
PERMIT MAX LIMIT									25	45	1			1000	2.0	9.0			
ACTUAL MAX VALUE		1,700							7.65	48.0	0			9.8	2.4	7.53			
PERMIT FREQUENCY OF ANALYSIS		5/7							1/30	1/30	2/7	5/7	N/A	1/30	1/30	2/7			
ACTUAL FREQUENCY OF ANALYSIS		31							1	1	10	20	0	1	1	10			
PERMIT SAMPLE TYPE		Random	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB			
ACTUAL SAMPLE TYPE		Random							GRAB	"	"	"	N/A	GRAB	"	"			
NO OF VIOLATIONS									0	0	0	0	0	0	0	0			

Please document important events such as discharges of untreated waste water, down equipment or plant upsets which may impact effluent quality. Also state method of sludge disposal.

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 06/14/22
 LICENSE NO. 2016 PHONE NO. 865-457-3033
 ANALYSES PERFORMED BY OUTSIDE LABORATORY BOD₅, TSS, AMMONIA
 LABORATORY USED Micromeritics, Knoxville
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER [Signature] DATE 06/14/22