

FACILITY Sanitary Drip Irrigation NPDES PERMIT NO. SP-14018  
 PERMITTEE Bush Brothers & Company MONTH June 2023  
 CITY Dandridge COUNTY Jefferson



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 DIVISION OF WATER POLLUTION CONTROL

MOR/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)	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		17390																	
2		16996																	
3		15999																	
4		1288																	
5		9384																	
6		14683																	
7		16828																	
8		16859																	
9		18033																	
10		16267																	
11		12345																	
12		8395																	
13		18673																	
14		17288																	
15		14676																	
16		17304																	
17		15632																	
18		12695																	
19		8439																	
20		14565																	
21		23416																	
22		20627																	
23		22144																	
24		21293																	
25		15409																	
26		11640																	
27		24694																	
28		20783																	
29		20500																	
30		18795																	
31																			
TOTAL		491083																	
PERMIT AVG. LIMIT												MIN		200				6.0 MIN	
ACTUAL AVG. VALUE		16536										MIN						MIN	
PERMIT MAX. LIMIT																			9.0
ACTUAL MAX. VALUE		24694																	
PERMIT FREQUENCY OF ANALYSIS		cont																	
ACTUAL FREQUENCY OF ANALYSIS		cont																	
PERMIT SAMPLE TYPE		GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL SAMPLE TYPE		GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
NO OF VIOLATIONS																			

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 7/11/23  
 LICENSE NO. 3039 PHONE NO. 865-589-0217  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY. N/A  
 LABORATORY USED N/A  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER Tom Doche DATE 7/11/23



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL

FACILITY Sanitary Drip Irrigation NPDES PERMIT NO. SA-14018  
PERMITTEE Bush Brothers & Company MONTH May 2023  
CITY Dandridge COUNTY Jefferson

MOR/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		9263																	
2		14314																	
3		15902																	
4		18384																	
5		15120																	
6		14974																	
7		12302																	
8		9779																	
9		14683																	
10		20034																	
11		19041																	
12		17836																	
13		17386																	
14		13708																	
15		10839																	
16		15263																	
17		23158																	
18		21382																	
19		11584																	
20		18021																	
21		14645																	
22		11576																	
23		16411																	
24		19479																	
25		19361																	
26		18073																	
27		17103																	
28		13629																	
29		12291																	
30		10740																	
31		14059																	
TOTAL		484942																	
PERMIT AVG. LIMIT												MIN		200				6.0 MIN	
ACTUAL AVG VALUE		15643										MIN						MIN	
PERMIT MAX LIMIT														1000				9.0	
ACTUAL MAX VALUE		23158																	
PERMIT FREQUENCY OF ANALYSIS		Cont																	
ACTUAL FREQUENCY OF ANALYSIS		Cont																	
PERMIT SAMPLE TYPE		Cont	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL SAMPLE TYPE		Cont																	
NO OF VIOLATIONS																			

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 6-24-23  
 LICENSE NO. 3039 PHONE NO. 865-509-0217  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY. M/A  
 LABORATORY USED M/A  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER Tom Doehy DATE 7/1/23



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL

FACILITY Sanitary Drip Irrigation NPDES PERMIT NO. SP-14018  
PERMITTEE Rush Brothers & Company MONTH April 2023  
CITY Dandridge COUNTY Jefferson

MOR/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)	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		15615																	
2		18408																	
3		11887																	
4		16378																	
5		16450																	
6		14795																	
7		14947																	
8		12387																	
9		13397																	
10		12217																	
11		16540																	
12		18366							0						0				
13		17323																	
14		12240																	
15		18640																	
16		14935																	
17		12822																	
18		11199																	
19		10501																	
20		16152																	
21		17092																	
22		17030																	
23		17679																	
24		10899																	
25		13892																	
26		15174																	
27		15712																	
28		15515																	
29		16895																	
30		12444																	
31																			
TOTAL		447531							0						0				
PERMIT AVG LIMIT									0			MIN		200	0			6.0 MIN	
ACTUAL AVG VALUE		14918							0			MIN			0			MIN	
PERMIT MAX LIMIT									0					1000	0			9.0	
ACTUAL MAX VALUE		18640							0						0				
PERMIT FREQUENCY OF ANALYSIS		cont							A						QRT				
ACTUAL FREQUENCY OF ANALYSIS		cont							A						QRT				
PERMIT SAMPLE TYPE		cont	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB			
ACTUAL SAMPLE TYPE		cont							Grab						Grab				
NO OF VIOLATIONS									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 6-26-23  
 LICENSE NO. 3039 PHONE NO. 865-509-0217  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY. BOD-5 / Ammonia as N  
 LABORATORY USED Microbac Laboratories of Maryville  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER Tom Doh DATE 7/1/23