

JUN 22 2023

WASTEWATER TREATMENT FACILITY
MONTHLY OPERATING REPORT

PERMITTEE
Shelby County Government
160 N. Main St.
Memphis **38103**
Phone

FACILITY
Chapel Hill
NPDES TN0026361

MONTH:

May-23

EFFLUENT PARAMETERS

Date	FLOW gpd	Average	Dis O2 mg/L	pH units	CBOD mg/L	TSS mg/L	NH3-N mg/L	Escherichia Coliform per 100 ml	Sett Solids ml/L	Chlorine Residual
1	76725	25575	10.2	7.4					<.05	0.01
2	25425	25425	11.1	7.2					<.05	0.01
3	26850	26850	9.8	7.3					<.05	0.01
4	22350	22350	7.9	7.3					<.05	0.01
5	18000	18000	8.4	7.4					<.05	0.01
6	s									
7	s									
8	92250	30750	7.8	7.4					<.05	0.01
9	15750	15750	8.2	7.4					<.05	0.01
10	25275	25275	10.4	7.3					<.05	0.01
11	38250	38250	9.9	7.3					<.05	0.01
12	23925	23925	9.1	7.4					<.05	0.01
13	s									
14	s									
15	91350	30450	7.8	7.4					<.05	0.01
16	27300	27300	8.1	7.4					<.05	0.01
17	25050	25050	7.7	7.4					<.05	0.01
18	27150	27150	8.8	7.4					<.05	0.01
19	23400	23400	9.2	7.3					<.05	0.01
20	s									
21	s									
22	74025	24675	10.4	7.3					<.05	0.01
23	23250	23250	9.4	7.4					<.05	0.01
24	27000	27000	7.9	7.3	6.0	6.0	0.59	0	<.05	0.01
25	20850	20850	8.3	7.4					<.05	0.01
26	20700	20700	7.9	7.4					<.05	0.01
27	s									
28	s									
29	h									
30	82575	20644	8.3	7.4					<.05	0.01
31	27675	27675	9.0	7.2					<.05	0.0

total	835125									
average	26940		8.9	7.4	6.0	6.0	0.59	0	0.05	
maximum		38250	11.1	7.4	6.0	6.0	0.59	0	0.05	0.01
minimum		15750	7.7	7.2						

05/15/23

WASTEWATER TREATMENT FACILITY
MONTHLY OPERATING REPORT

Chapel Hill

MONTH: **May-23**

Parameter	Units	Frequency	value	minimum	average	maximum	Exceptions
FLOW, thru plant	MGD	5 of 7 5 of 7	value permit		0.02694 report	0.00000 report	
CBOD, 5 day, eff	mg/L	2 of 31 2 of 31	value permit		6.0 10	6.0 20	0
TSS, eff	mg/L	2 of 31 2 of 31	value permit		6.0 30	6.0 45	0
NH3-N eff	mg/L	2 of 31 2 of 31	value permit		0.59 5	0.59 10	0
D.O., eff	mg/L	5 of 7 5 of 7	value permit	7.7 6.0			0
pH, eff	S.U.	2 of 7 2 of 7	value permit	7.2 6		7.4 9	0
Sett. Solids eff	ml/L	2 of 7 2 of 7	value permit			0.05 1.0	0
E. coli eff	per 100 ml	2 of 31 2 of 31	value permit		0 126	0 941	0
TRC eff	mg/L	5 of 31 5 of 31	value permit			0.01 0.02	0
Total Phosphorous =		0.64 mg/L					

TOTAL 0

WAS,disposed

mg/L _____
gal _____
lbs _____

Analytical lab: Cornerstone Laboratories, Memphis TN
Tests performed: P, CBOD, TSS, NH3-N, and E. COLI.

I certify that the information submitted is accurate and complete, to the best of my knowledge.

Operator signature: 
License number: 2789

Date: 6/15/23



JUN 9 2023

1775 Moriah Woods Blvd., Ste. 12 ▪ Memphis, TN 38117 ▪ (901) 398-4001

SHELBY COUNTY ENGINEERING
ATTN: CHRIS MASIN
160 N. MAIN
MEMPHIS, TN 38022

June 1, 2023

ACCOUNT #: 01-0518

REPORT NUMBER: 144-23-008

REFERENCE LOCATION: Jeter & Chapel Hill.

On May 24, 2023, two sets of aqueous samples were submitted to the laboratory for analysis detailed on the chain of custody accompanying the samples. The samples were received on ice, sealed and in good condition. There were no analytical problems encountered and the results are below.

Analytical Results

Laboratory Number: 179010

Sample ID: Jeter 05/24/2023

Analysis	Result	Detection Limit	Reference Method	Date Analyzed	Analyst
Ammonia	0.72 mg/L	0.10 mg/L	SM-4500	05/30/2023	M. Blum
TSS	1 mg/L	1 mg/L	USEPA-160.2	05/30/2023	M. Blum
Escherichia Coli	0 cfu/100ml	1 cfu/100ml	USEPA-1603	05/25/2023	M. Blum
cBOD	8 mg/L	1 mg/L	USEPA-405.1	05/24/2023	M. Blum
Total Phosphorus	0.50 mg/L	0.01 mg/L	USEPA-200.7	05/31/2023	M. Blum
Total Nitrogen	3.80 mg/L	0.1 mg/L	Calc	05/30/2023	M. Blum

Laboratory Number: 179011

Sample ID: Chapel Hill 05/24/2023

Analysis	Result	Detection Limit	Reference Method	Date Analyzed	Analyst
Ammonia	0.59 mg/L	0.10 mg/L	SM-4500	05/30/2023	M. Blum
TSS	6 mg/L	1 mg/L	USEPA-160.2	05/30/2023	M. Blum
Escherichia Coli	0 cfu/100ml	1 cfu/100ml	USEPA-1603	05/25/2023	M. Blum
cBOD	6 mg/L	1 mg/L	USEPA-405.1	05/24/2023	M. Blum
Total Phosphorus	0.64 mg/L	0.01 mg/L	USEPA-200.7	05/31/2023	M. Blum

Samuel J. LaBonia
President

JUN 23 2023

WASTEWATER TREATMENT FACILITY
MONTHLY OPERATING REPORT

PERMITTEE
Shelby County Government
160 N. Main St.
Memphis 38103
Phone

FACILITY
E.E. Jeter School
NPDES # TN0023833

MONTH:
May-23

EFFLUENT PARAMETERS

Date	FLOW gpd	Average Flow	Dis O2 mg/L	pH units	CBOD mg/L	TSS mg/L	NH3-N mg/L	Escherichia Coliform per 100 ml	Sett Solids ml/L
1	1650	1650	11.1	7.5					<.05
2									
3									
4	3675	1225	9.8	7.5					<.05
5									
6	s								
7	s								
8									
9	3855	771	9.1	7.5					<.05
10									
11	1875	938	8.8	7.5					<.05
12									
13	s								
14	s								
15	3150	788	7.9	7.5					<.05
16									
17									
18									
19	6675	1669	10.3	7.5					<.05
20	s								
21	s								
22									
23	2850	713	10.5	7.5					<.05
24					8.0	1.0	0.72	0	
25									
26	5175	1725	9.7	7.5					<.05
27	s								
28	s								
29	h								
30	675	169	8.4	7.5					<.05
31									

total	29580								
average	954		9.5	7.5	8.0	1.0	0.72	0	0.05
maximum		1725	11.1	7.5	8.0	1.0	0.72	0	0.05
minimum		169	7.9	7.5					

05/15/23

WASTEWATER TREATMENT FACILITY
MONTHLY OPERATING REPORT

E.E. Jeter School			MONTH: May-23		Exceptions	
Parameter	Units	Frequency	average	maximum		
FLOW, thru plant	MGD	5 of 7 5 of 7	value permit	0.00095 report	0.00000 report	
CBOD, 5 day, eff	mg/L	1 of 31 1 of 31	value permit	8.0 20	8.0 30	0
TSS, eff	mg/L	1 of 31 1 of 31	value permit	1.0 30	1.0 45	0
NH3-N eff	mg/L	1 of 31 1 of 31	value permit	0.72 1.4	0.72 9.25	0
D.O., eff	mg/L	5 of 7 5 of 7	value permit	9.5	11.1	0
pH, eff	S.U.	2 of 7 2 of 7	value permit		7.5 9.0	0
Sett. Solids eff	ml/L	2 of 7 2 of 7	value permit		0.05 1.0	0
E. coli eff	per 100 ml	1 of 31 1 of 31	value permit	0 126	0 941	0

Total Phosphorous = 0.50 mg/L
Total Nitrogen = 3.80 mg/L

TOTAL 0

WAS,disposed
mg/L _____
gal _____
lbs _____

Analytical lab: Cornerstone Laboratories, Memphis TN
Tests performed: CBOD,TSS,NH3-N, and E. COLI.

I certify that the information submitted is accurate and complete, to the best of my knowledge.

Operator signature: [Signature]
License number: _____ 2789

Date: 6/15/23