TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER POLLUTION CONTROL



FACILITY: Philadelphia Elementary School NPDES PERMIT NO .: REPORTING PERIOD: April 1, 2023 to April 30, 2023 COUNTY: Loudon

SOP-03035

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

PERMITTEE: Loudon County Board of Education Philadelphia CITY:

JUL 1 9 2023

		1		INFI	UENT		_	$\overline{}$				EFFLU	IENT.					COMMENTS ABOUT OPERATION AND COMPLIANCE		
									LI I LL	141					COMMENTS ABOUT OF EXAMINITATION COMPLIANCE					
DATE TIME OF SAMPLING	WASTEWATER FLOW (9Pd)	BOD _S (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)	FECAL COLIFORM (organisms/100 ml	DISSOLVED OXYGEN (mg/l)	PH (standard units)	ORP (mV)		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.		
1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
1	2657																			
2	2657																			
3	2657																			
4	2657																			
6	2657 2657	-						-												
7	2657	1																		
8	2657																			
9	2657	†															_			
10	2657																			
11	2657	Î																		
12	2657																			
13	2657	_				(_			_ 41_		
14	2657	-	_										_				_			
15 16	2657 2657	-			-					-			_	_						
17	2657	-	_			-			_	-				-		-				
18	2657																			
19	2657																			
20	2657																			
21	2657																			
22	2657																			
23	2657	-				-							-							
24	2657 2657	-	_	-	_	-	_	\vdash			_		_	_	_					
25 26	2657	 				 				-				-						
27 17:56	2657					<u> </u>				_										
28	2657																			
29	2657									-										
30	2657																			
31	2657									£ 3										
TOTAL																		I certify that the submitted information is accurate and complete. I further certify that all sampling was performed in accordance		
PERMIT AVG. LIMIT																9		with approved procedures and all analyses were performed in accordance with 40 CFR Part 136, I am aware that there are		
ACTUAL AVG VALUE	2,657									3								significant penalties for submitting false information, including the possibility of fine and imprisonment,		
PERMIT MAX LIMIT	5,000							45		Report	Report	(11-22		
ACTUAL MAX. VALUE																		CERTIFIED OPERATOR SIGNATURE Weby & Bruge DATE April 30, 2023		
PERMIT FREQUENCY OF ANALYSIS	Monthly							Quarterly		Quarterly	Quarterly							LICENSE NO. 3480 PHONE NO. (865) 270-8070		
ACTUAL FREQUENCY OF ANALYSIS	Run Time							Quarterly		Quarterly	Quarterly							ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN		
PERMIT SAMPLE TYPE	inst							GRAB		GRAB	GRAB									
ACTUAL SAMPLE TYPE			J. I						. 0											
NO OF VIOLATIONS]		

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION **DIVISION OF WATER POLLUTION CONTROL**



Philadelphia Elementary School

NPDES PERMIT NO .:

SOP-03035

REPORTING PERIOD: May 1, 2023 to May 31, 2023

COUNTY: Loudon

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

FAGILITY:	Philadelphia Elementary School
PERMITTEE:	Loudon County Board of Education
CITY:	Philadelphia

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 10 10 10 10 10 10 10	INFLUENT													EFFLU	JENT					COMMENTS ABOUT OPERATION AND COMPLIANCE						
1 2 73 4 6 6 6 7 7 9 9 10 11 12 73 14 15 16 17 18 19 20 20 20 20 20 20 20 20 20 20 20 20 20	\vdash																									
1	DATE TIME OF SAMPLING		WASTEWATER FLOW (gpd)	BOD ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)	FECAL COLIFORM (organisms/100 ml	DISSOLVED OXYGEN (mg/l)	PH (standard units)	ORP (mV)								
1	1 2	_	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
2 373																										
4 2373	2																									
5 2373	3																									
6	4																									
8 12,414 2373	5																									
8 12,414 2373	7			_				-	-	\vdash	_				-		-									
9	R 12-A									23.90		19.30	35.20													
10 2373										20.00		10.00	55.20													
11	10																									
13 2373	11		2373																							
14	12																									
16	13																									
16	14						_	-	-	-	_				-	_	_	-	_							
17					-			_	1						_	_	_									
18 2373	17																									
19	18																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	19																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	20																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	21																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	22									_																
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	24				-				-	_		-			_		-	_								
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	25																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	26 14:1																									
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	27						1																			
29 2373 30 2373 31 2373 31 12373 31 2373 31 1237	28		2373				i i																			
2373 2373	29																									
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 CPR Part 136. I am aware that there are with approved procedures and all analyses were performed in accordance with 40 CPR Part 136. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. PERMIT MAX. DUMT 5,000 45 Report Report CERTIFIED OPERATOR SIGNATURE DATE May 31, 2023 PERMIT PRECUENCY FROUCHES Monthly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN	30																									
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. Serent MAX_UNITE SOURCE FERRIT FREQUENCY FERRIT FREQUENCY FERRIT FREQUENCY FERRIT FREQUENCY FERRIT FREQUENCY FRANKFIEL Monthly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly Ouerterly ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ACTUAL SAMPLE TYPE Inst. OUERTERLY OR ANALYSES OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN	31	_	2373														_									
Significant penalties for submitting false information, including the possibility of fine and imprisonment. Significant penalties for submitting false information, including the possibility of fine and imprisonment. SIGNIA, VALUE SIGNIA (SECTIVA, VALUE) SIGNIA (SECTI	-	_																								
Second					-							-				_	_	-								
CETAMON CHIEF CETAMON CHIE										-,-		B			_					significant penalties for submitting false information, including the possibility of fine and imprisonment.						
CETAMON CHIEF CETAMON CHIE			5,000							45		report	Keport		_		_	<u> </u>		block - 1 d						
CETAMON CHIEF CETAMON CHIE					-					_							_	-	_	CERTIFIED OPERATOR SIGNATURE NEW JACOB DATE May 31, 2023						
CITUAL FREDUENCY RUN OLIERTORY OLIE	DE ANALYSIS	VCY N	vlonthly							Quarterly		Quarterly	Quarterly							LICENSE NO3480 PHONE NO865) 270-8070						
DERRUIT SAMPLE TYPE INST. GRAB GRAB GRAB GRAB GRAB GRAB GRAB GRAB	ACTUAL FREQUEN									Quarterly		Quarterly	Quarterly													
ACTUAL SAMPLE TYPE	DERMIT SAMPLE Y									GRAB		GRAB	GRAB							1 ace Atlanguage Mill. Suries, 1N						
												,								1						
																				1						

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION **DIVISION OF WATER POLLUTION CONTROL**

Time

Inst



GRAB GRAB

GRAB

FACILITY: Philadelphia Elementary School

PERMITTEE: Loudon County Board of Education CITY: Philadelphia

ANALYSES PERFORMED BY OUTSIDE LABORATORY

NPDES PERMIT NO .:

SOP-03035

REPORTING PERIOD: June 1, 2023 to COUNTY: Loudon

Pace Analytical

Mt. Juliet, TN

June 30, 2023

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

				INF	LUENT							EFFLL	JENT					COMMENTS ABOUT OPERATION AND COMPLIANCE
DATE TIME OF SAMPLING	WASTEWATER FLOW (gpd)	BOD ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD ₅ (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)	FECAL COLIFORM (organisms/100 ml	DISSOLVED OXYGEN (mg/l)	PH (standard units)	ORP (mV)		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,
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	655																	
2	655																	
3	655																	
4	655																	
5	655												-		_			
7	655		_	_			_	-				_			_			
8	655 655			-	_		-	-					_	_			_	
9	655			-	-		-		_				_					
0	655	_	_	-				_										
1	655	_	\vdash	_	_	1	-		-			-	_		-	_		
2	655																	
3	655																	
4	655																	
5	655),							
7	655																	
7	655																	
8	655																	
9	655							_	3 9									
0	655			_														
11.	655		_		_			_							_	-		
2	655 655	_		_			-		_						-	-		
3	655	_		_			-		_							-	_	
5	655								-									
6	655																	
7	655																	
20 21 22 23 33 24 44 25 26 27 28 13:19	655			1														
29	655							i										
10	655																	
1	655																	
PYAL																		certify that the submitted information is accurate and complete. I further certify that all sampling was performed in accordance
RMIT AVG. LIMIT																		with approved procedures and all analyses were performed in accordance with 40 CFR Part 136. I am aware that there are
TUAL AVG VALUE	655																	significant penalties for submitting false information, including the possibility of fine and imprisonment.
RMIT MAY, LIMIT	5,000							45		Report	Report							1
THAL MAX. VALUE																		CERTIFIED OPERATOR SIGNATURE West & Baren DATE June 30, 2023
RMIT FREQUENCY ANALYSIS	Monthly							Quarterly		Quarterly	Quarterly							
TUAL FREQUENCY	Run							Quarterly		Ouarterly	Quarterly							LICENSE NO. 3480 PHONE NO. (865) 270-8070