

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL



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

NPDES PERMIT NO.: SOP-03035  
REPORTING PERIOD: April 1, 2023 to April 30, 2023  
COUNTY: Loudon

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

JUL 19 2023

DATE	TIME OF SAMPLING	WASTEWATER FLOW (gpd)	INFLUENT						EFFLUENT									COMMENTS ABOUT OPERATION AND COMPLIANCE	
			BOD <sub>5</sub> (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD <sub>5</sub> (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	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																	
5		2657																	
6		2657																	
7		2657																	
8		2657																	
9		2657																	
10		2657																	
11		2657																	
12		2657																	
13		2657																	
14		2657																	
15		2657																	
16		2657																	
17		2657																	
18		2657																	
19		2657																	
20		2657																	
21		2657																	
22		2657																	
23		2657																	
24		2657																	
25		2657																	
26		2657																	
27	17:56	2657																	
28		2657																	
29		2657																	
30		2657																	
31		2657																	
TOTAL																			
PERMIT AVG. LIMIT																			
ACTUAL AVG. VALUE		2,657																	
PERMIT MAX. LIMIT		5,000							45		Report	Report							
ACTUAL MAX. VALUE																			
PERMIT FREQUENCY OF ANALYSIS		Monthly							Quarterly		Quarterly	Quarterly							
ACTUAL FREQUENCY OF ANALYSIS		Run Time							Quarterly		Quarterly	Quarterly							
PERMIT SAMPLE TYPE		Inst.							GRAB		GRAB	GRAB							
ACTUAL SAMPLE TYPE																			
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.

CERTIFIED OPERATOR SIGNATURE *Wesley J. Barger* DATE April 30, 2023  
 LICENSE NO. 3480 PHONE NO. (865) 270-8070  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL



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

NPDES PERMIT NO.: SOP-03035  
REPORTING PERIOD: May 1, 2023 to May 31, 2023  
COUNTY: Loudon

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

DATE	TIME OF SAMPLING	WASTEWATER FLOW (gpd)	INFLUENT						EFFLUENT									COMMENTS ABOUT OPERATION AND COMPLIANCE		
			BOD <sub>5</sub> (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD <sub>5</sub> (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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1		2373																		
2		2373																		
3		2373																		
4		2373																		
5		2373																		
6		2373																		
7		2373																		
8	12:41	2373							23.90		19.30	35.20								
9		2373																		
10		2373																		
11		2373																		
12		2373																		
13		2373																		
14		2373																		
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21		2373																		
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23		2373																		
24		2373																		
25		2373																		
26	14:15	2373																		
27		2373																		
28		2373																		
29		2373																		
30		2373																		
31		2373																		
TOTAL																				
PERMIT AVG. LIMIT																				
ACTUAL AVG. VALUE		2,373																		
PERMIT MAX. LIMIT		5,000							45		Report	Report								
ACTUAL MAX. VALUE																				
PERMIT FREQUENCY OF ANALYSIS		Monthly							Quarterly		Quarterly	Quarterly								
ACTUAL FREQUENCY OF ANALYSIS		Run Time							Quarterly		Quarterly	Quarterly								
PERMIT SAMPLE TYPE		Inst.							GRAB		GRAB	GRAB								
ACTUAL SAMPLE TYPE																				
NO. OF VIOLATIONS																				

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CERTIFIED OPERATOR SIGNATURE *Wesley J. Brayer* DATE May 31, 2023  
 LICENSE NO. 3480 PHONE NO. (865) 270-8070  
 ANALYSES PERFORMED BY OUTSIDE LABORATORY Pace Analytical Mt. Juliet, TN

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL



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

NPDES PERMIT NO.: SOP-03035  
 REPORTING PERIOD: June 1, 2023 to June 30, 2023  
 COUNTY: Loudon

MONTHLY OPERATION REPORT FOR DRIP IRRIGATION PLANTS

DATE	TIME OF SAMPLING	WASTEWATER FLOW (gpd)	INFLUENT						EFFLUENT						COMMENTS ABOUT OPERATION AND COMPLIANCE				
			BOD <sub>5</sub> (mg/l)	SUSPENDED SOLIDS (mg/l)	AMMONIA NITROGEN (mg/l)	NITRATE NITROGEN (mg/l)	TOTAL KJELDAHL NITROGEN (mg/l)		BOD <sub>5</sub> (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	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																	
6		655																	
7		655																	
8		655																	
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22		655																	
23		655																	
24		655																	
25		655																	
26		655																	
27		655																	
28	13:19	655																	
29		655																	
30		655																	
31		655																	
TOTAL																			
PERMIT AVG. LIMIT																			
ACTUAL AVG. VALUE		655																	
PERMIT MAX. LIMIT		5,000							45		Report	Report							
ACTUAL MAX. VALUE																			
PERMIT FREQUENCY OF ANALYSIS		Monthly							Quarterly		Quarterly	Quarterly							
ACTUAL FREQUENCY OF ANALYSIS		Run Time							Quarterly		Quarterly	Quarterly							
PERMIT SAMPLE TYPE		Inst.							GRAB		GRAB	GRAB							
ACTUAL SAMPLE TYPE																			
NO. OF VIOLATIONS																			

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CERTIFIED OPERATOR SIGNATURE: Wesley J. Barger DATE: June 30, 2023

LICENSE NO. 3480 PHONE NO. (865) 270-8070

ANALYSES PERFORMED BY OUTSIDE LABORATORY: Pace Analytical Mt. Juliet, TN