pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: January Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1														
2	43200				93430				119028				255,658	0
3	56700				153447				68450				278,597	0
4	50600				92480				87000				230,080	0
5	13770								72545				86,315	0
6														
7	39850				69926				133180				242,956	0
8	32948				115690				125950				274,588	0
9	55358				66500				85350				207,208	0
10	52500				91400				122600				266,500	0
11	52780				57368				130555				240,703	0
12	5500								52094				57,594	0
13														
14	29200				66715				78700				174,615	0
15	46450				84626				128117				259,193	0
16	42650				90293				72600				205,543	0
17	36900				130017				94100				261,017	0
18	45450				89436				119413				254,299	0
19	7000								66890				73,890	0
20									6900				6,900	0
21	25975				74677				84100				184,752	0
22	47000				74500				97350				218,850	0
23	34524				91400				107261				233,185	0
24	32750				128400				116100				277,250	0
25	38600				98500				123350				260,450	0
26	6276								43007				49,283	0
27														
28	34950				98550				143150				276,650	0
29	46300				107960				114330				268,590	0
30	39550				82080				114950				236,580	0
31	25450				85800				71900				183,150	0
Avg	36,240				92,873				95,517			Monthly Totals:	5,564,396	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 2/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: _____
Municipality: _____ County: _____
Watershed: _____

Month: _____ Year: _____
NPDES Permit No.: _____
Renewal application due **180 days** prior to expiration.
This permit will expire on: _____

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1														
2									96533				96,533	0
3									75815				75,815	0
4									212972				212,972	0
5									39900				39,900	0
6														
7									111411				111,411	0
8									116900				116,900	0
9									131670				131,670	0
10									230513				230,513	0
11									98881				98,881	0
12									4000				4,000	0
13														
14									74800				74,800	0
15									150575				150,575	0
16									77050				77,050	0
17									177055				177,055	0
18									109153				109,153	0
19									30600				30,600	0
20														
21									147719				147,719	0
22									119070				119,070	0
23									101000				101,000	0
24									135781				135,781	0
25									125700				125,700	0
26									17250				17,250	0
27														
28									56100				56,100	0
29									123400				123,400	0
30									100400				100,400	0
31									123542				123,542	0
Avg									107,223			Monthly Totals:	2,787,790	

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Prepared By: _____ License No.: _____
Title: _____ Date: _____

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: January Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 2/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 1 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow MGD	Q	Fecal Coliform CFU/100 ml	Q	pH S.U.	Q	CBOD5 mg/L	Q	CBOD20 mg/L	Q	CBOD20 %	Q	TSS mg/L	Q	TSS %	Q	TDS mg/L	Q	Oil and Grease mg/L	Q	TRC mg/L	Q	NH3-N mg/L	Q	NO3-N mg/L	Q	NO2-N mg/L	Q	TKN mg/L	Q	Total Copper mg/L	Q	Total Lead mg/L	Q
			1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
1	Sun	12/30/18	42.30						7						13.3																					
	Mon	12/31/18	47.53						6						12.4																					
	Tue	1/1/19	49.83		8.6		6.41		6		13		85.05		11.7		85.07		419	<	5.0		0.46													
	Wed	1/2/19	42.66		24.1		6.36		6		16		97.32		8.3		94.81		567	<	5.0		0.30		5.67		0.78		1.170		8.86					
	Thu	1/3/19	36.80		11.0		6.72		8		33		94.96		14.4		95.14		889	<	5.0		0.76										0.0071	<	0.001	
	Fri	1/4/19	38.28		21.6		6.69		8						14.7		97.61			<	5.0		0.60													
	Sat	1/5/19	43.44		8.6		6.80		9						14.1		95.69			<	5.0		0.63													
2	Sun	1/6/19	38.99		9.7		6.45		7						9.8		83.79		561	<	5.0		0.32													
	Mon	1/7/19	37.18		5.1		6.46		8		39		95.49		12.5		96.20		683	<	5.0		0.28		7.19		7.41		0.724		9.90					
	Tue	1/8/19	40.77		13.4		6.78		8		33		95.82		12.2		95.37		763	<	5.0		0.30													
	Wed	1/9/19	41.27		7.4		6.80		15		44		92.33		13.7		96.90		751	<	5.0		0.42													
	Thu	1/10/19	39.57		307.6		6.73		12						12.2		94.10		797	<	5.0		0.15													
	Fri	1/11/19	39.26		36.8		6.72		14						15.7		94.49			<	5.0		0.22													
	Sat	1/12/19	39.69		23.1		6.80		8						11.0		88.97			<	5.0		0.31													
3	Sun	1/13/19	40.61		7.4		6.60		5						7.4		94.39		637	<	5.0		0.17													
	Mon	1/14/19	40.12		6.1		6.51		6		34		94.08		10.5		94.56		875	<	5.0		0.57		10.40		2.53		0.845		11.95					
	Tue	1/15/19	39.48		9.6		6.79		9		51		94.07		13.9		95.90		866	<	5.0		0.58													
	Wed	1/16/19	38.23		9.8		6.80		12		32		89.60		16.6		94.39		874	<	5.0		0.68													
	Thu	1/17/19	37.67		14.5		6.93		9						15.4		92.99		867	<	5.0		0.63													
	Fri	1/18/19	37.64		24.6		6.95		7						14.7		95.26			<	5.0		0.61													
	Sat	1/19/19	40.45		17.3		6.92		8						12.2		93.92			<	5.0		0.47													
4	Sun	1/20/19	71.49		35.9		6.66		8						32.0		81.36			<	5.0		0.33													
	Mon	1/21/19	48.56		13.5		6.61		10		42		92.64		18.3		85.12		614	<	5.0		0.29													
	Tue	1/22/19	43.74		22.6		6.74		7		36		91.59		14.8		91.51		717	<	5.0		0.26		15.40		3.28		2.285		15.78					
	Wed	1/23/19	40.67		37.9		6.72		10		26		95.52		15.0		94.13		766	<	5.0		0.29													
	Thu	1/24/19	70.41		178.2		6.89		32						27.5		88.94		627	<	5.0		0.29													
	Fri	1/25/19	57.69		2419.6		6.91		18						21.7		88.48			<	5.0		0.02													
	Sat	1/26/19	50.21		816.4		6.72		11						15.0		89.10			<	5.0		0.28													
5	Sun	1/27/19	45.77		111		6.62		9						10.1		83.98		551	<	5.0		0.38													
	Mon	1/28/19	45.24		26.5		6.62		13		25		89.86		14.7		87.30		631	<	6.0		0.27													
	Tue	1/29/19	48.26		13.2		6.84		10		35		95.50		18.2		94.33		686	<	5.0		0.66		15.25		0.87		0.565		19.24					
	Wed	1/30/19	41.89		27.9		6.81		11		25		94.94		17.2		90.97		687	<	5.0		0.47													
	Thu	1/31/19	40.50		20.1		6.92		10						14.4		85.41		717				0.44													
	Fri	2/1/19	40.80						12						17.4																					
	Sat	2/2/19	40.56						8						12.1																					
Calculations for DMR																																				
Daily Minimum (Conc.):					5.1		6.36		5		13		85.054[illegible]		7.4		81.38093702		419	<	5		0.02		5.67		0.97		0.565		8.86		0.0071	<	0.001	
Daily Maximum (Conc):					2419.6		6.95		32		51		97.32038[illegible]		32		97.6097561		887	<	5		0.76		15.4		7.41		2.285		19.24		0.0071	<	0.001	
Max Avg Weekly (Conc.):									14		45		94.5468[illegible]		21		94.48697227		826	<	5		1		15.4		7.41		2.285		19.24		0.0071	<	0.001	
Avg Monthly (Conc.):									10		33		93.2518469		15		91.6194386		698	<	5		0.4		10.73		3.99		1.118		13.11		0.0071	<	0.001	
Geometric Mean (Conc.):					24																															
Max Avg Weekly (Load):			54.68						6689		14687				9978				284556	<	2280		180		6138		2298		834		7744		2	<	0.3	
Avg Monthly (Load):			43.95						3870		11664				5720				247699	<	1837		143		3896		1356		397		4731		2	<	0.3	
Total Monthly (Load):			1352.37						119958		361576				177331				7678667	<	56959		4431		120791		42039		12304		146666		60	<	10	
Daily Minimum (Load):			36.26						1693		5403				2506				173067	<	1513		10		2017		390		224		3076		2	<	0.3	
Daily Maximum (Load):			71.49						18791		17055				19079				368187	<	2981		266		6138		2298		834		7744		2	<	0.3	

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 2/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 1 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

			Flow		TSS		BOD5		CBOD5																											
			1		RI		RI		RI																											
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Sun	12/30/18																																		
	Mon	12/31/18																																		
	Tue	1/1/19	53.36		78				60																											
	Wed	1/2/19	46.85		160		298		203																											
	Thu	1/3/19	40.72		296				287																											
	Fri	1/4/19	41.14		615				535																											
	Sat	1/5/19	48.08		327				245																											
2	Sun	1/6/19	41.96		60				87																											
	Mon	1/7/19	41.87		329		597		482																											
	Tue	1/8/19	45.04		283				315																											
	Wed	1/9/19	45.26		442		600		502																											
	Thu	1/10/19	43.48		207				274																											
	Fri	1/11/19	41.56		385				425																											
	Sat	1/12/19	41.37		100				224																											
3	Sun	1/13/19	42.35		132		159		122																											
	Mon	1/14/19	42.72		193				332																											
	Tue	1/15/19	42.00		339				382																											
	Wed	1/16/19	40.96		300		402		320																											
	Thu	1/17/19	40.06		220				312																											
	Fri	1/18/19	40.68		310				393																											
	Sat	1/19/19	43.89		201				198																											
4	Sun	1/20/19	73.61		172		105		73																											
	Mon	1/21/19	51.17		123				100																											
	Tue	1/22/19	45.57		174				175																											
	Wed	1/23/19	43.38		256		422		342																											
	Thu	1/24/19	74.29		249				207																											
	Fri	1/25/19	59.90		188				374																											
	Sat	1/26/19	59.53		136				192																											
5	Sun	1/27/19	48.21		63		110		96																											
	Mon	1/28/19	47.79		116				330																											
	Tue	1/29/19	51.05		321				321																											
	Wed	1/30/19	44.35		190		608		436																											
	Thu	1/31/19	45.15		99				108																											
	Fri	2/1/19																																		
	Sat	2/2/19																																		
Daily Minimum (Conc.):					60.45471878		105		60																											
Daily Maximum (Conc.):					615		609		535																											
Max Avg Weekly (Conc.):					295.3450158		599		330																											
Avg Monthly (Conc.):					224.0419277		367		273																											
Geometric Mean (Conc.):																																				
Max Avg Weekly (Load):			57.21		108035		217475		118646																											
Avg Monthly (Load):			47.04		86384		135746		103585																											
Total Monthly (Load):			1458.35		2677901		4239114		3214229																											
Daily Minimum (Load):			46.06		21155		44228		26701																											
Daily Maximum (Load):			74.29		211011		226431		189439																											

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 2/28/2019

3800-FM-WSFR0442 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
DETAILED OUTFALL REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **January** Year: **2019**
NPDES Permit No.: **PA0027103** Outfall: **002**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Day	Identification*	Discharge Volume*		Duration (hrs)	Cause*	Precipitation (in)	Comments
1		0.0	C	3.5	Wet Weather Event	0.06	
2		0.0	C	0.0		0.0	
3		0.0	C	0.0		0.0	
4		0.0	C	0.0		0.0	
5		0.006	C	7.6	Wet Weather Event	0.31	
6		0.0	C	0.0		0.01	
7		0.0	C	0.0		0.0	
8		0.056	C	5.3	Wet Weather Event	0.29	
9		0.0	C	2.6	Wet Weather Event	0.01	
10		0.0	C	0.0		0.0	
11		0.0	C	0.0		0.0	
12		0.0	C	0.0		0.0	
13		0.0	C	0.0		0.0	
14		0.0	C	0.0		0.0	
15		0.0	C	0.0		0.0	
16		0.0	C	0.0		0.0	
17		0.0	C	0.0		0.0	
18		0.0	C	0.0		0.06	
19		0.159	C	3.3	Wet Weather Event	0.59	
20		0.165	C	9.8	Wet Weather Event	0.52	
21		0.0	C	0.0		0.0	
22		0.0	C	0.0		0.0	
23		0.0	C	0.0		0.0	
24		0.309	C	11.9	Wet Weather Event	1.07	
25		0.0	C	0.0		0.0	
26		0.0	C	0.0		0.0	
27		0.0	C	0.0		0.0	
28		0.0	C	0.0		0.0	
29		0.026	C	4.3	Wet Weather Event	0.18	
30		0.0	C	0.0		0.0	
31		0.0	C	0.0		0.0	

** See Instructions for explanation.*

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Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **2/15/2019**

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **January** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	No	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis**
Title: **Dir. Of Operations and Maintenance**

License No.: **T0403**
Date: **2/15/2019**

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

March 27, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management Program
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for February, 2019. During the reporting period the WRTP's effluent exceeded the maximum monthly average loading limitation for $cBOD_{20}$.

Parameter averages for February, 2019 were: Flow – 45.12 MGD; $cBOD_5$ – 13 mg/l mg/l; TSS – 17 mg/L; $cBOD_{20}$ % removal – 91.64 %; and $cBOD_{20}$ loading – 14,636 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 264.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
Steve Babylon via email with server link
Ian Piro via email with server link
File

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, March 27, 2019 9:34 AM
To: DiSantis, Michael; DiSantis, Michael; Piro, Ian
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 02/01/2019-02/28/2019
Report Due Date: 03/28/2019

Submitted By: Michael DiSantis
Submission Id: 141804
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PERMIT NUMBER: PA0027103
OUTFALL NUMBER: 001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	02	01	TO	2019	02	28

Reporting Frequency: Monthly
DMR Effective From: 02/01/2019
DMR Effective To: 02/28/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.65	***	6.99	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6855	10503	lbs/day	***	17.0	23.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1886	***	lbs/day	***	<5.0	6.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	3705	***	lbs/day	***	10.76	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	28770 Avg Mo	***		***	69.0 Avg Mo	***		2/month	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.912	2.135	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<1.36	2.9	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	14.36	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.032	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0061	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.028	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	45.12	65.15	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.9	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	730	1058	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	>24	866.4	No./100 ml	1/day	Grab
	Permit Requirement	***	***			200 Geo Mean	1000 90%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	5300	8585	lbs/day	***	13.0	18.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	14636	***	lbs/day	***	***	***	***	3/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	02	01	TO	2019	02	28

Reporting Frequency: Monthly
DMR Effective From: 02/01/2019
DMR Effective To: 02/28/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80082)	Sample Measurement	***	***	***	91.64	***	***	%	3/week	24-Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	02	01	TO	2019	02	28

Reporting Frequency: Monthly
DMR Effective From: 02/01/2019
DMR Effective To: 02/28/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	72571	***	lbs/day	***	182.94	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	69645	***	lbs/day	***	171.78	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	68090	***	lbs/day	***	170.32	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter Feb 2019.doc	Cover Letter	2019-03-27T09:31:51-04:00	
Daily Effluent Monitoring Form-02-2019.xlsx	Daily Effluent Monitoring Form	2019-03-26T15:29:47-04:00	
Daily Influent Monitoring Form-02-2019.xlsx	Daily Effluent Monitoring Form	2019-03-26T15:30:06-04:00	Daily Influent Monitoring Form-02-2019
DMR Laboratory Accreditation-WRTP-02-2019.doc	Laboratory Accreditation Form	2019-03-26T15:36:21-04:00	
DMR Laboratory Accreditation-MJR-02-2019.doc	Laboratory Accreditation Form	2019-03-26T15:36:06-04:00	
DMR Laboratory Accreditation-ALS-02-2019.doc	Laboratory Accreditation Form	2019-03-26T15:35:50-04:00	
Hauled In Municipal Waste_02-2019.xls	Hauled-In Municipal Waste Form	2019-03-26T15:34:30-04:00	
Hauled In Residual Wastes_02-2019.xls	Hauled-In Residual Waste Form	2019-03-26T15:34:53-04:00	
Influent and Process Control_02.2019.xls	Influent and Process Control Form	2019-03-26T15:35:15-04:00	
Sewage Sludge Biosolids Production and Disposal Form_02.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-03-26T15:37:08-04:00	
February 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-03-26T15:37:52-04:00	
Hauled Waste_02.2019.xlsx	Other	2019-03-26T15:38:11-04:00	Hauled Waste_02.2019
DMR-PRF Calc_02.2019.xlsx	Other	2019-03-26T15:29:29-04:00	DMR-PRF Calc_02.2019
10% Fecal Calc_02.2019.xlsx	Other	2019-03-26T15:29:06-04:00	10% Fecal Calc_02.2019
WRTP_Effluent_02.2019.pdf	Laboratory Analytical Report	2019-03-26T15:28:18-04:00	
DRBC_2-25-19.pdf	Laboratory Analytical Report	2019-03-26T15:27:41-04:00	
CBOD20_2-27-19.pdf	Laboratory Analytical Report	2019-03-26T15:26:28-04:00	
CBOD20_2-26-19.pdf	Laboratory Analytical Report	2019-03-26T15:26:01-04:00	
CBOD20_2-25-19.pdf	Laboratory Analytical Report	2019-03-26T15:25:43-04:00	
CBOD20_2-20-19.pdf	Laboratory Analytical Report	2019-03-26T15:25:19-04:00	
CBOD20_2-11-19.pdf	Laboratory Analytical Report	2019-03-26T15:23:25-04:00	
CBOD20_2-5-19.pdf	Laboratory Analytical Report	2019-03-26T15:22:39-04:00	
EFF_2-6-19.PDF	Laboratory Analytical Report	2019-03-26T15:28:00-04:00	
DRBC_2-11-19.pdf	Laboratory Analytical Report	2019-03-26T15:27:04-04:00	
DRBC_2-4-19.pdf	Laboratory Analytical Report	2019-03-26T15:26:46-04:00	
DRBC_2-19-19.pdf	Laboratory Analytical Report	2019-03-26T15:27:25-04:00	
CBOD20_2-4-19.pdf	Laboratory Analytical Report	2019-03-26T15:22:19-04:00	
CBOD20_2-19-19.pdf	Laboratory Analytical Report	2019-03-26T15:24:47-04:00	
CBOD20_2-18-19.pdf	Laboratory Analytical Report	2019-03-26T15:24:22-04:00	
CBOD20_2-12-19.pdf	Laboratory Analytical Report	2019-03-26T15:23:55-04:00	
CBOD20_2-6-19.pdf	Laboratory Analytical Report	2019-03-26T15:23:00-04:00	
WRTP_Influent_02.2019.pdf	Laboratory Analytical Report	2019-03-26T15:28:34-04:00	
WRTP_Process_02.2019.pdf	Laboratory Analytical Report	2019-03-26T15:35:31-04:00	
WRTP_Sludge_02.2019.pdf	Laboratory Analytical Report	2019-03-26T15:37:27-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
84259	02/01/2019	02/28/2019	BOD, carbonaceous 20 day 20 C	Average Monthly	14636	10500	lbs/day	Final Effluent (001)	See attached comments	See attached comments	The use of cBOD20 does not fairly represent effluent quality as there are no approved methods for the test including QA/QC.

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)876-5523

SUBMISSION INFORMATION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
			(610)	876-5523	2019	3	27
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	02	01	TO	19	01	28

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer Michael J. DiSantis

Phone: 610.876.5523

Date: 03/28/19

Signature of Principal Executive Officer or Authorized Agent

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	02	01	TO	19	02	28

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 06-00003
Lead, Total	EPA 200.7	ALS Environmental	PA 06-00003
Zinc, Total	EPA 200.7	ALS Environmental	PA 06-00003
Dichlorobromethane	EPA 624	ALS Environmental	PA 06-00003
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 06-00003
Chlorodibromomethane	EPA 624	ALS Environmental	PA 06-00003
TKN-N	EPA 351.2	ALS Environmental	PA 06-00003
Ammonia as N	D6919-09	ALS Environmental	PA 06-00003
Nitrate as N	EPA 300.0	ALS Environmental	PA 06-00003
Total Cyanide	EPA 335.4	ALS Environmental	PA 06-00003
Total Cadmium	200.7	ALS Environmental	PA 06-00003
Nitrite as N	EPA 300.0	ALS Environmental	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer: Michael J. DiSantis

Phone: 610.876.5523

Date: 03/28/19

Signature of Principal Executive Officer or Authorized Agent

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	02	01	TO	19	02	28

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 03/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester County: Delaware
Watershed: 3-G

Month: February Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: March 28, 2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: February Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	42.74			248	88,556	4220.00	2.74	683000.00		
2	42.79			214	76,255	3530.00	3.06	683000.00		
3	41.26	33	11,514	57	19,709	3445.00	4.78	662000.00		
4	41.43			43	14,800	3425.00	2.34	653000.00		
5	42.48	467	165,611	390	138,340	3870.00	1.68	606000.00		
6	45.73			101	38,579	4030.00	1.77	468000.00		
7	47.61			42	16,634	4185.00	1.59	532000.00		
8	42.03			164	57,417	4500.00	1.80	410000.00		
9	41.71			113	39,263	7355.00	1.89	586000.00		
10	41.26	115	39,630	136	46,953	6255.00	3.11	670000.00		
11	42.67			194	69,115	5985.00	1.82	633000.00		
12	65.46	265	144,856	222	121,430	4270.00	1.61	585000.00		
13	67.44			245	137,972	5465.00	1.61	400000.00		
14	54.36			327	148,127	4295.00	1.31	445000.00		
15	53.12			204	90,509	6665.00	1.20	383000.00		
16	45.00			88	33,021	4780.00	1.23	737000.00		
17	43.89	124	45,389	26	9,558	4595.00	2.99	558000.00		
18	50.05			161	67,305	4340.00	2.09	456000.00		
19	43.05	124	44,470	88	31,418	4430.00	1.32	614000.00		
20	47.50			224	88,896	5105.00	1.50	868000.00		
21	61.60			234	120,332	3595.00	1.47	877000.00		
22	49.30			238	97,691	4380.00	1.04	852000.00		
23	45.18			31	11,756	4310.00	1.23	871000.00		
24	57.27	96	45,974	113	53,796	4125.00	3.12	764000.00		
25	47.37			237	93,746	5600.00	1.90	585000.00		
26	43.44			216	78,341	4080.00	1.65	866000.00		
27	43.56			200	72,704	4100.00	1.84	959000.00		
28	41.88	238	83,127	251	87,827	4105.00	1.63	961000.00		
29										
30										
31										
Avg	47.542	183	72,571	172	69,645	4,609	2	655,964		
Max	67.44	467	165,611	390	148,127	7,355	5	961,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 3/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: February Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	34150				83960				132800				250,910	0
2	25570								81783				107,353	0
3														
4	55450				71026				184514				310,990	0
5	55050				47777				118850				221,677	0
6	49032				42000				87280				178,312	0
7	62900				67300				112550				242,750	0
8	47600				69959				85342				202,901	0
9	12500								63316				75,816	0
10														
11	16250				78819				73850				168,919	0
12	36200				149200				100000				285,400	0
13	68940				118419				115700				303,059	0
14	50232				157190				102700				310,122	0
15	55950				94192				87600				237,742	0
16	17450								67428				84,878	0
17														
18	39300				90400				95900				225,600	0
19	41300				60164				92079				193,543	0
20	22800				56713				36583				116,096	0
21	58800				151708				95850				306,358	0
22	76400				96111				79675				252,186	0
23	4000				13443				44700				62,143	0
24														
25	54793				101203				94250				250,246	0
26	42450				83066				75100				200,616	0
27	65500				87832				75925				229,257	0
28	38800				123600				78650				241,050	0
29														
30														
31														
Avg	42,976				87,813				90,934			Monthly Totals:	5,057,924	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 3/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: February Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1									99702				99,702	0
2														
3														
4									117400				117,400	0
5									89300				89,300	0
6									186800				186,800	0
7									151294				151,294	0
8									165400				165,400	0
9									34800				34,800	0
10														
11									73100				73,100	0
12									46800				46,800	0
13									210150				210,150	0
14									230205				230,205	0
15									143500				143,500	0
16									19500				19,500	0
17														
18									63200				63,200	0
19									131600				131,600	0
20									103000				103,000	0
21									168567				168,567	0
22									148810				148,810	0
23									16000				16,000	0
24														
25									65800				65,800	0
26									174700				174,700	0
27									104200				104,200	0
28									169900				169,900	0
29														
30														
31														
Avg									117,988			Monthly Totals:	2,713,728	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 3/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: February
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 3/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 2 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow 1 MGD	Q	Fecal Coliform 1 CFU/100 ml	Q	pH 1 S.U.	Q	CBOD5 1 mg/L	Q	CBOD20 1 mg/L	Q	CBOD20 K %	Q	TSS 1 mg/L	Q	TSS K %	Q	TDS 1 mg/L	Q	Oil and Grease 1 mg/L	Q	TRC 1 mg/L	Q	NH3-N 1 mg/L	Q	NO3-N 1 mg/L	Q	NO2-N 1 mg/L	Q	TKN 1 mg/L	Q	Total Copper 1 mg/L	Q	Total Lead 1 mg/L	Q
	Fri	2/1/19	40.80		51.2		6.91		12						17.4		93				< 5		0.50													
	Sat	2/2/19	40.58		23.1		6.75		8						12.1		94				< 5		0.73													
1	Sun	2/3/19	38.92		143.0		6.82		6						10.9		81		541		< 5		0.19													
	Mon	2/4/19	37.91		866.4		6.99		8		23		84.12		13.1		69		581		< 5		0.28		9.19		2.90		2.135		11.95					
	Tue	2/5/19	38.27		20.1		6.82		10		35		98.14		13.0		97		759		< 5		0.43													
	Wed	2/6/19	42.41		15.8		6.83		16		34		95.54		18.9		81		754		< 5		0.46										0.0061	<	0.001	
	Thu	2/7/19	45.52		20.1		6.65		10						15.9		62		786		< 5		0.50													
	Fri	2/8/19	40.54		22.6		6.66		11						15.2		91				< 5		0.45													
	Sat	2/9/19	39.50		35.0		6.89		8						14.0		88				< 5		0.52													
2	Sun	2/10/19	38.92		13.4		6.90		5						11.4		92		666		< 5		0.56													
	Mon	2/11/19	40.38		6.3		6.79		8				100.00		13.5		93		934		< 5		0.33		11.90		0.88		0.540							
	Tue	2/12/19	62.25		24.3		6.67		22		46		92.08		28.0		87		1058		< 5		0.45													
	Wed	2/13/19	65.15	>	2419.6		6.72		45		66		76.06		54.6		78		732		< 5		0.06													
	Thu	2/14/19	51.99		42.8		6.88		22						23.2		93		707		< 5		0.90								13.95					
	Fri	2/15/19	50.74		34.5		6.77		17						17.0		92				< 5		0.63													
	Sat	2/16/19	42.40		10.9		6.84		9						10.8		88				< 5		0.44													
3	Sun	2/17/19	41.59		5.2		6.86		6						7.1		73				< 5		0.46													
	Mon	2/18/19	47.86		4.1		6.85		8						12.8		92		966		< 5		0.66													
	Tue	2/19/19	40.99		4.1		6.91		9		28		92.65		13.0		85		941		< 5		0.37													
	Wed	2/20/19	45.01		14.5		6.96		18		40		88.76		18.5		92		726		< 5		0.35													
	Thu	2/21/19	59.01		8.4		6.66		24		36		93.94		25.2		89		898		< 5		0.64													
	Fri	2/22/19	46.96		122.4		6.74		25						26.4		89				< 5		0.51													
	Sat	2/23/19	43.07		17.1		6.83		14						20.2		35				< 5		0.71													
4	Sun	2/24/19	65.64		30.3		6.78		8						15.3		86		610		6		0.72													
	Mon	2/25/19	44.99		12.1		6.93		10		32		94.14		14.8		94		684		< 5		0.62		11.20		< 0.30		0.054		17.18					
	Tue	2/26/19	41.07		3.1		6.80		9		34		91.35		11.2		95		767		< 5		0.70													
	Wed	2/27/19	41.10		34.5		6.90		8		22		94.94		13.0		94		755		< 5		0.44													
	Thu	2/28/19	39.53		17.1		6.95		9						12.6		95		789		< 5		0.47													
	Fri	3/1/19	41.11						10						13.5																					
	Sat	3/2/19	39.22						8						12.9																					
5																																				
Daily Minimum (Conc.):					3.1		6.65		5		22		76.06984799		7.1		35.25567537		506	<	5		0.05		9.19	<	0.3		0.054		11.95		0.0061	<	0.001	
Daily Maximum (Conc.):				>	2419.6		6.99		45		66		100		54.6		96.67075407		1058		6		0.9		11.9		2.9		2.135		17.18		0.0061	<	0.001	
Max Avg Weekly (Conc.):									18		57		93.47667933		23		92.69847077		819	<	5		1		11.9		2.9		2.135		17.18		0.0061	<	0.001	
Avg Monthly (Conc.):									13		35		91.64431827		17		85.6024129		730	<	5		0.5		10.76	<	1.36		0.912		14.36		0.0061	<	0.001	
Geometric Mean (Conc.):				>	24																															
Max Avg Weekly (Load):			50.26						6586		30681				10503				356857	<	2096		222		4202		917		675		6446		2	<	0.4	
Avg Monthly (Load):			45.12						5300		14636				6855				284079	<	1898		190		3705	<	442		293		5424		2	<	0.4	
Total Monthly (Load):			1263.49						148407		409808				191947				7954225	<	53152		5317		103745	<	12374		8212		151882		56	<	10	
Daily Minimum (Load):			37.91						1623		7272				2463				172805	<	1581		33		2906	<	113		20		3778		2	<	0.4	
Daily Maximum (Load):			65.15						24451		35851				29657				549277		2784		390		4202		917		675		6446		2	<	0.4	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 3/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0406 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 2 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

[redacted]			Flow		TSS		BOD5		CBOD5																															
			1		RI		RI		RI																															
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
	Fri	2/1/19	42.74		248				148																															
	Sat	2/2/19	42.79		214				174																															
1	Sun	2/3/19	41.26		57		33		38																															
	Mon	2/4/19	41.43		43				44																															
	Tue	2/5/19	42.48		390		467		404																															
	Wed	2/6/19	45.73		101				356																															
	Thu	2/7/19	47.61		42				33																															
	Fri	2/8/19	42.03		164				117																															
	Sat	2/9/19	41.71		113				155																															
2	Sun	2/10/19	41.26		136		115		92																															
	Mon	2/11/19	42.67		194				245																															
	Tue	2/12/19	65.46		222		265		219																															
	Wed	2/13/19	67.44		245				169																															
	Thu	2/14/19	54.36		327				256																															
	Fri	2/15/19	53.12		204				241																															
	Sat	2/16/19	45.00		98				177																															
3	Sun	2/17/19	43.89		26		124		7																															
	Mon	2/18/19	50.05		161				133																															
	Tue	2/19/19	43.05		88		124		75																															
	Wed	2/20/19	47.50		224				260																															
	Thu	2/21/19	61.60		234				148																															
	Fri	2/22/19	49.30		238				240																															
	Sat	2/23/19	45.18		54				86																															
4	Sun	2/24/19	57.27		113		96		73																															
	Mon	2/25/19	47.37		237				248																															
	Tue	2/26/19	43.44		215				212																															
	Wed	2/27/19	43.56		200				193																															
	Thu	2/28/19	41.88		251		238		226																															
	Fri	3/1/19																																						
	Sat	3/2/19																																						
5																																								
[redacted]																																								
Daily Minimum (Conc.):					26.11255411		33.46007916		[redacted]																															
Daily Maximum (Conc):					390.4788136		467.4533898		[redacted]																															
Max Avg Weekly (Conc.):					203.5477852		250.4571845		[redacted]																															
Avg Monthly (Conc.):					171.780453		182.9407533		170.3257173																															
Geometric Mean (Conc.):																																								
Max Avg Weekly (Load):			52.76		92447		92243		88903																															
Avg Monthly (Load):			47.54		69645		72571		68090																															
Total Monthly (Load):			1331.18		1950051		2032001		1906514																															
Daily Minimum (Load):			41.26		9558		11514		2721																															
Daily Maximum (Load):			67.44		148127		165611		143290																															

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 3/28/2019

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **February** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	No	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	No	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	No	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **3/15/2019**

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, April 25, 2019 3:58 PM
To: DiSantis, Michael; DiSantis, Michael; Piro, Ian
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 03/01/2019-03/31/2019
Report Due Date: 04/28/2019

Submitted By: Michael DiSantis
Submission Id: 145936
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

April 25, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management Program
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for March, 2019.

We regret to report that there was one exceedance for exceeding the maximum TRC permit limit on 3/17. All other parameters were in compliance during the month. Parameter averages for March, 2019 were: Flow – 45.51 MGD; $cBOD_5$ – 15 mg/l mg/l; TSS – 21 mg/L; $cBOD_{20}$ % removal – 93.33 %; and $cBOD_{20}$ loading – 9,291 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 264.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
Steve Babylon via email with server link
Ian Piro via email with server link
File

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	03	01	TO	2019	03	31

Reporting Frequency: Monthly
DMR Effective From: 03/01/2019
DMR Effective To: 03/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.77	***	7.05	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6624	14434	lbs/day	***	21.0	34.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1908	***	lbs/day	***	<5.0	6.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	5418	***	lbs/day	***	14.03	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	28770 Avg Mo	***		***	69.0 Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	<.205	.255	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<.92	<2	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	17.08	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.05	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.012	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.016	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	45.51	70.07	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	1.09	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	661	799	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	>13	204.6	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 90%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8194	8645	lbs/day	***	15.0	21.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	9291	***	lbs/day	***	***	***	***	1/day	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
	Facility Parameter Comments	Value calculated using the CBOD20/CBOD5 ratio of 1.5 1 approved in DRBC Docket D-1992-018 CP-4								
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	03	01	TO	2019	03	31

Reporting Frequency: Monthly
DMR Effective From: 03/01/2019
DMR Effective To: 03/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	***	***	***	93.33	***	***	%	1/week	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
	Facility Parameter Comments	Compliance with the 89.25% CBOD20 reduction can be demonstrated by meeting the 89.25% CBOD5 removal requirement as approved by DRBC Docket No. D-1992-018 CP-4.								
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	03	01	TO	2019	03	31

Reporting Frequency: Monthly
DMR Effective From: 03/01/2019
DMR Effective To: 03/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	96034	***	lbs/day	***	242	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	102248	***	lbs/day	***	261	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	97343	***	lbs/day	***	249	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
CBOD20_3-12-19.pdf	Laboratory Analytical Report	2019-04-25T14:48 07-04 00	
DRBC_3-4-19.pdf	Laboratory Analytical Report	2019-04-25T14:51.16-04 00	
DRBC_3-12-19.pdf	Laboratory Analytical Report	2019-04-25T14 51.33-04:00	
Daily Influent Monitoring Form-03-2019.xlsx	Daily Effluent Monitoring Form	2019-04-25T14:54 04-04:00	
WRTP_Influent_03.2019.pdf	Laboratory Analytical Report	2019-04-25T14 53:17-04:00	
Hauled In Residual Wastes_03-2019.xls	Hauled-In Residual Waste Form	2019-04-25T14 55 08-04 00	
CBOD20_3-18-19.pdf	Laboratory Analytical Report	2019-04-25T14 48:59-04:00	
CBOD20_3-27-19.pdf	Laboratory Analytical Report	2019-04-25T14:50:36-04:00	
DRBC_3-19-19.pdf	Laboratory Analytical Report	2019-04-25T14.51:51-04:00	
EFF_3-5-19.PDF	Laboratory Analytical Report	2019-04-25T14:52:30-04.00	
DMR Laboratory Accreditation-MJR-03-2019.doc	Laboratory Accreditation Form	2019-04-25T14.56.25-04:00	
DMR Laboratory Accreditation-WRTP-03-2019.doc	Laboratory Accreditation Form	2019-04-25T14:56 42-04 00	
Trucked Waste_03.2019 xlsx	Other	2019-04-25T14.58 00-04.00	Trucked Waste_03.2019
CBOD20_3-4-19.pdf	Laboratory Analytical Report	2019-04-25T14 46.42-04 00	
CBOD20_3-5-19.pdf	Laboratory Analytical Report	2019-04-25T14:47 02-04:00	
CBOD20_3-6-19.pdf	Laboratory Analytical Report	2019-04-25T14 47:20-04:00	
DMR Cover Letter Mar 2019 doc	Cover Letter	2019-04-25T15 55 46-04:00	
Sewage Sludge Biosolids Production and Disposal Form_03.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-04-25T14 57:02-04.00	
WRTP_Sludge_03.2019.pdf	Laboratory Analytical Report	2019-04-25T14:57:18-04 00	
March 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-04-25T14 57:42-04 00	
CBOD20_3-20-19.pdf	Laboratory Analytical Report	2019-04-25T14 49:38-04:00	
Daily Effluent Monitoring Form-03-2019.xlsx	Daily Effluent Monitoring Form	2019-04-25T14.53:43-04:00	
10% Fecal Calc_03.2019.xlsx	Other	2019-04-25T14.54:26-04 00	10% Fecal Calc_03.2019
Influent and Process Control_03.2019.xls	Influent and Process Control Form	2019-04-25T14:55:31-04 00	
Hauled In Municipal Waste_03-2019.xls	Hauled-In Municipal Waste Form	2019-04-25T14:54:45-04 00	
CBOD20_3-13-19.pdf	Laboratory Analytical Report	2019-04-25T14:48:27-04 00	
CBOD20_3-25-19.pdf	Laboratory Analytical Report	2019-04-25T14 49:57-04:00	
CBOD20_3-26-19.pdf	Laboratory Analytical Report	2019-04-25T14 50.18-04:00	
WRTP_Process_03.2019.pdf	Laboratory Analytical Report	2019-04-25T14 55 47-04:00	
DMR Laboratory Accreditation-ALS-03-2019.doc	Laboratory Accreditation Form	2019-04-25T14 56:08-04.00	
CBOD20_3-19-19.pdf	Laboratory Analytical Report	2019-04-25T14 49:18-04:00	
DRBC_3-25-19.pdf	Laboratory Analytical Report	2019-04-25T14:52 10-04.00	
WRTP_Effluent_03.2019.pdf	Laboratory Analytical Report	2019-04-25T14:52:52-04:00	
CBOD20_3-11-19.pdf	Laboratory Analytical Report	2019-04-25T14:47 46-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
86450	03/01/2019	03/31/2019	Total Residual Chlorine (TRC)	Instantaneous Maximum	1.09	1	mg/L	Final Effluent (001)	Insufficient/overdose chemical feed	Operator training	

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
86451	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSante	T0403	(610)-876-5523

SUBMISSION INFORMATION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
			(610)	876-5523	2019	4	25
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	03	01	TO	19	03	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 04/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	03	01	TO	19	03	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 06-00003
Lead, Total	EPA 200.7	ALS Environmental	PA 06-00003
Zinc, Total	EPA 200.7	ALS Environmental	PA 06-00003
Dichlorobromethane	EPA 624	ALS Environmental	PA 06-00003
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 06-00003
Chlorodibromomethane	EPA 624	ALS Environmental	PA 06-00003
TKN-N	EPA 351.2	ALS Environmental	PA 06-00003
Ammonia as N	D6919-09	ALS Environmental	PA 06-00003
Nitrate as N	EPA 300.0	ALS Environmental	PA 06-00003
Total Cyanide	EPA 335.4	ALS Environmental	PA 06-00003
Total Cadmium	200.7	ALS Environmental	PA 06-00003
Nitrite as N	EPA 300.0	ALS Environmental	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 04/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	03	01	TO	19	03	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 04/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester County: Delaware
Watershed: 3-G

Month: March Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
TOTAL:				TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: April 28, 2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: March Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	44.49			290	107,604	3910.00	1.88	863000.00		
2	60.30			138	69,400	4425.00	3.69	940000.00		
3	55.60	126	58,427	134	62,136	3585.00	5.11	891000.00		
4	72.50			220	133,023	3305.00	4.63	680000.00		
5	57.73	265	127,589	240	115,552	3295.00	2.27	630000.00		
6	49.60			294	121,617	3540.00	1.28	651000.00		
7	45.09			312	117,328	4630.00	1.33	684000.00		
8	44.76			288	107,510	4230.00	1.59	731000.00		
9	43.46			333	120,698	4110.00	2.44	727000.00		
10	66.28	164	90,655	205	113,319	7120.00	5.87	727000.00		
11	52.87			215	94,801	3325.00	2.63	787000.00		
12	47.75	369	146,949	308	122,656	3805.00	1.51	791000.00		
13	45.94			292	111,877	3935.00	1.99	795000.00		
14	44.42			322	119,289	3975.00	1.78	751000.00		
15	43.88			325	118,937	3915.00	1.79	763000.00		
16	42.12			267	93,792	3955.00	1.86	835000.00		
17	42.13	183	64,300	178	62,543	3990.00	4.14	861000.00		
18	41.19			307	105,462	3825.00	2.40	781000.00		
19	40.42	368	124,054	305	102,816	4165.00	2.16	875000.00		
20	40.76			368	125,097	3610.00	1.88	810000.00		
21	58.12			285	138,145	3960.00	1.05	730000.00		
22	64.16			202	108,089	3425.00	1.35	701000.00		
23	48.06			133	53,309	3775.00	1.30	572000.00		
24	44.89	188	70,384	255	95,468	3960.00	2.89	575000.00		
25	45.99			257	98,574	3730.00	1.67	706000.00		
26	43.41	360	130,334	275	99,561	5170.00	1.32	631000.00		
27	42.03			300	105,159	4560.00	1.23	638000.00		
28	41.36			315	108,657	4035.00	1.72	673000.00		
29	40.04			328	109,530	3955.00	1.60	673000.00		
30	39.33			218	71,507	3900.00	1.46	657000.00		
31	39.67	156	51,612	170	56,244	3750.00	3.13	637000.00		
Avg	48.011	242	96,034	261	102,248	4,028	2	734,387		
Max	72.5	369	146,949	368	138,145	7,120	6	940,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 4/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: March Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	33300			Headworks	102924			Sludge Thickening	65500				201,724	0
2	13000			Headworks	10000			Sludge Thickening	79520				102,520	0
3				Headworks				Sludge Thickening						
4	60150			Headworks	95692			Sludge Thickening	107472				263,314	0
5	44550			Headworks	104576			Sludge Thickening	82900				232,026	0
6	51760			Headworks	94754			Sludge Thickening	80676				227,190	0
7	61928			Headworks	165754			Sludge Thickening	99500				327,182	0
8	67413			Headworks	76377			Sludge Thickening	90800				234,590	0
9	8000			Headworks	20000			Sludge Thickening	30420				58,420	0
10				Headworks				Sludge Thickening						
11	80063			Headworks	124786			Sludge Thickening	97300				302,149	0
12	56600			Headworks	86164			Sludge Thickening	89100				231,864	0
13	43100			Headworks	92457			Sludge Thickening	73450				209,007	0
14	56750			Headworks	118142			Sludge Thickening	86550				261,442	0
15	57972			Headworks	96608			Sludge Thickening	82300				236,880	0
16	13800			Headworks	20000			Sludge Thickening	14850				48,650	0
17				Headworks				Sludge Thickening						
18	58700			Headworks	113568			Sludge Thickening	91474				263,742	0
19	59500			Headworks	86926			Sludge Thickening	138500				284,926	0
20	58850			Headworks	105426			Sludge Thickening	124875				289,151	0
21	44000			Headworks	131076			Sludge Thickening	72642				247,718	0
22	79300			Headworks	75400			Sludge Thickening	96480				251,180	0
23	24700			Headworks				Sludge Thickening	57319				82,019	0
24				Headworks				Sludge Thickening						
25	50400			Headworks	100901			Sludge Thickening	123930				275,231	0
26	51457			Headworks	115507			Sludge Thickening	111370				278,334	0
27	63450			Headworks	109456			Sludge Thickening	147200				320,106	0
28	70100			Headworks	155926			Sludge Thickening	113400				339,426	0
29	62500			Headworks	74646			Sludge Thickening	143000				280,146	0
30	17000			Headworks					127156				144,156	0
31														
Avg	49,552				94,878				93,372			Monthly Totals:	5,993,093	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 4/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: March Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 4/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 3 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Stage	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Fri	3/1/19	41.11		13.1		7.05		10		15		96.70%		13.5		95.34%				< 5		0.47													
	Sat	3/2/19	58.22		9.7		6.77		8		12		94.24%		12.9		90.65%				< 5		0.67													
1	Sun	3/3/19	52.38		4.1		6.90		6		9		94.92%		10.8		91.94%		619		< 5		0.73													
	Mon	3/4/19	70.07		204.6		6.79		35		53		90.77%		52.1		76.32%		821		< 5		0.42		8.93		0.76		0.255		15.83					
	Tue	3/5/19	55.62		63.8		6.83		14		21		93.97%		16.6		93.08%		684		< 5		0.55										0.012	<	0.001	
	Wed	3/6/19	47.09		38.4		6.86		21		32		93.52%		21.7		92.62%		786		< 5		0.63													
	Thu	3/7/19	42.90		51.2		6.79		17		26		94.16%		19.8		93.97%		764		< 5		0.55													
	Fri	3/8/19	42.60		26.2		6.79		20		30		93.67%		17.5		93.92%				< 5		0.55													
	Sat	3/9/19	41.02		23.1		6.86		11		17		95.02%		13.0		96.10%				< 5		0.55													
2	Sun	3/10/19	63.11		9.8		6.90		10		15		92.81%		16.4		92.00%		516		< 5		0.80													
	Mon	3/11/19	50.06		29.9		6.96		23		35		92.12%		18.6		91.26%		619		< 5		0.62													
	Tue	3/12/19	45.13		19.3		6.87		16		24		93.87%		13.9		95.49%		723		< 5		0.62		12.10	<	2.00	<	0.200		17.50					
	Wed	3/13/19	43.31		13.2		6.87		17		26		93.44%		16.0		94.52%		769		< 5		0.65													
	Thu	3/14/19	42.01		18.5		6.95		13		20		95.98%		16.3		94.94%		766		< 5		0.57													
	Fri	3/15/19	41.25		14.8		6.96		16		24		94.86%		17.0		94.77%				< 5		0.40													
	Sat	3/16/19	39.56		8.5		7.05		11		17		96.28%		16.1		93.97%				< 5		0.69													
3	Sun	3/17/19	40.07		2.0		6.97		9		14		92.60%		12.2		93.15%		589		< 5		1.09													
	Mon	3/18/19	39.55		5.2		7.02		12		18		95.45%		15.9		94.82%		649		6		0.38													
	Tue	3/19/19	36.50		10.8		7.01		9		14		96.96%		15.4		94.95%		799		< 5		0.55		20.60		0.56		0.239		15.60					
	Wed	3/20/19	38.59		21.1		7.02		15		23		95.44%		19.3		94.76%		781		< 5		0.40													
	Thu	3/21/19	54.75		10.7		6.98		36		54		84.48%		65.0		77.19%		660		< 5		0.61													
	Fri	3/22/19	52.39	>	2419.6		6.92		38		57		81.00%		68.2		66.24%				< 5		0.03													
	Sat	3/23/19	46.15		26.5		6.88		25		38		83.33%		40.0		69.92%				< 5		0.44													
4	Sun	3/24/19	42.76		7.5		6.85		10		15		94.44%		14.0		94.51%		342		< 5		0.57													
	Mon	3/25/19	43.69		3.1		6.90		17		26		95.10%		15.1		94.12%		638		< 5		0.54		14.50		0.36		0.126		19.42					
	Tue	3/26/19	39.33		11.0		7.00		13		20		96.17%		16.1		94.15%		650		< 5		0.72													
	Wed	3/27/19	39.48		5.2		6.83		12		18		96.23%		15.4		94.87%		678		< 5		0.39													
	Thu	3/28/19	38.71		1.0		6.81		15		23		94.86%		33.8		89.27%		666		< 5		0.46													
	Fri	3/29/19	37.24		2.0		6.66		8		12		96.95%		12.0		95.34%				< 5		0.52													
	Sat	3/30/19	36.94		4.1		6.99		7		11		97.15%		12.6		94.22%				< 5		0.29													
5	Sun	3/31/19	37.17		4.1		7.03		4		6		96.83%		9.4		94.47%		537		< 5		0.03													
Statistical Report																																				
Daily Minimum (Conc.):					1		6.77		4		6		0.807592308		9.4		0.662376233		342	<	5		0.03		8.93		0.36		0.126		15.6		0.012	<	0.001	
Daily Maximum (Conc):				>	2419.6		7.05		38		57		0.971[illegible]5		68.2		0.963414634		799		6		1.09		20.6	<	2		0.255		19.42		0.012	<	0.001	
Max Avg Weekly (Conc.):									21		30.9		0.9[illegible]51		34		0.939254181		696	<	5		1		20.6	<	2		0.255		19.42		0.012	<	0.001	
Avg Monthly (Conc.):									15		23.1		0.9[illegible]12		21		0.910925665		661	<	5		0.5		14.03	<	0.92	<	0.205		17.09		0.012	<	0.001	
Geometric Mean (Conc.)				>	13																															
Max Avg Weekly (Load):			50.24						8645		12968				14434				306527	<	2095		245		6614	<	753		149		9251		6	<	0.5	
Avg Monthly (Load):			45.51						6194		9291				8624				251462	<	1908		203		5418	<	377	<	87		6981		6	<	0.5	
Total Monthly (Load):			1410.76						192013		288020				267355				7795313	<	59159		6282		167948	<	11686	<	2689		216401		173	<	14	
Daily Minimum (Load):			36.94						1240		1860				2914				121963	<	1540		9		4554		131		45		5009		6	<	0.5	
Daily Maximum (Load):			70.07						20453		30680				35487				362902	<	2922		421		6614	<	753		149		9251		6	<	0.5	

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 4/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-PM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 3 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

[redacted]			Flow		TSS		BOD5		CBOD5																															
[redacted]			1		RI		RI		RI																															
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
	Fri	3/1/19	44.49		290				303																															
	Sat	3/2/19	60.30		138				139																															
1	Sun	3/3/19	55.60		134		126		118																															
	Mon	3/4/19	72.50		220				182																															
	Tue	3/5/19	57.73		240		265		232																															
	Wed	3/6/19	49.60		294				324																															
	Thu	3/7/19	45.09		312				281																															
	Fri	3/8/19	44.76		288				316																															
	Sat	3/9/19	43.46		333				221																															
2	Sun	3/10/19	66.28		205		154		139																															
	Mon	3/11/19	52.87		215				292																															
	Tue	3/12/19	47.75		308		369		261																															
	Wed	3/13/19	45.94		292				259																															
	Thu	3/14/19	44.42		322				323																															
	Fri	3/15/19	43.88		325				311																															
	Sat	3/16/19	42.12		267				296																															
3	Sun	3/17/19	42.13		178		183		125																															
	Mon	3/18/19	41.19		307				264																															
	Tue	3/19/19	40.42		305		368		296																															
	Wed	3/20/19	40.76		368				329																															
	Thu	3/21/19	58.12		285				292																															
	Fri	3/22/19	64.16		202				200																															
	Sat	3/23/19	48.06		133				150																															
4	Sun	3/24/19	44.89		255		188		180																															
	Mon	3/25/19	45.99		257				347																															
	Tue	3/26/19	43.41		275		360		339																															
	Wed	3/27/19	42.03		300				318																															
	Thu	3/28/19	41.36		315				292																															
	Fri	3/29/19	40.04		326				262																															
	Sat	3/30/19	39.33		216				246																															
5	Sun	3/31/19	39.67		170		156		125																															
[redacted]																																								
Daily Minimum (Conc.):					133		126		118																															
Daily Maximum (Conc.):					368		369		347																															
Max Avg Weekly (Conc.):					278		276		283																															
Avg Monthly (Conc.):					261		242		249																															
Geometric Mean (Conc.):																																								
Max Avg Weekly (Load):			52.68		111124		118882		106602																															
Avg Monthly (Load):			48.01		102248		96034		97342																															
Total Monthly (Load):			1488.35		3169701		2977845		3017536																															
Daily Minimum (Load):			39.33		53309		51812		41667																															
Daily Maximum (Load):			72.5		138145		145949		134027																															

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title Dir. Of Operations and Maintenace Date: 4/28/2019

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **March** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	No	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	No	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	No	
022	6th & Sproul	Yes	
023	3rd & Edgmont	No	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	No	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **4/15/2019**

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, May 28, 2019 7:09 AM
To: DiSantis, Michael; DiSantis, Michael; Piro, Ian
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 04/01/2019-04/30/2019
Report Due Date: 05/28/2019

Submitted By: Michael DiSantis
Submission Id: 150150
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

May 28, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for April, 2019. All parameters were in compliance during the month.

Parameter averages for April, 2019 were: Flow – 32.46 MGD; $cBOD_5$ – 11 mg/L; TSS – 17 mg/L; $cBOD_{20}$ % removal – 95.74%; and $cBOD_{20}$ – 6,758 lbs/day.

Should any further information be required concerning this report, please contact me at (610) 876-5523, ext. 264.

Respectfully submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
Enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

ADMINISTRATION
☐610-876-5523
☐FAX: 610-876-2798

CUSTOMER SERVICE/BILLING
☐610-876-5526
☐FAX: 610-876-1460

PURCHASING & STORES
☐610-876-5523
☐FAX: 610-497-7959

PLANT & MAINTENANCE
☐610-876-5523
☐FAX: 610-497-7950

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103 — PERMIT NUMBER
001 — OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	04	01	TO	2019	04	30

Reporting Frequency: Monthly
DMR Effective From: 04/01/2019
DMR Effective To: 04/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.82	***	7.14	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4505	6550	lbs/day	***	17.0	24.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1354	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	3822	***	lbs/day	***	13.77	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	28770 Avg Mo	***		***	69.0 Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	1.394	2.305	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	.98	1.51	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	19.92	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide Total (00720)	Sample Measurement	***	***	***	***	.096	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0069	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.034	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	32.46	44.03	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.6	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	700	887	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	>14	30.1	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 90%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	2925	3836	lbs/day	***	11.0	15.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	5758	***	lbs/day	***	***	***	***	1/week	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:	DELCORA
ADDRESS:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY:	DELCORA STP
LOCATION:	3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE:	Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	04	01	TO	2019	04	30

Reporting Frequency:	Monthly
DMR Effective From:	04/01/2019
DMR Effective To:	04/30/2019
Permit Expires:	04/30/2018
Permit Application Due:	11/01/2017
No Discharge:	☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	***	***	***	95.74	***	***	%	1/week	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	04	01	TO	2019	04	30

Reporting Frequency: Monthly
DMR Effective From: 04/01/2019
DMR Effective To: 04/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	103162	***	lbs/day	***	363	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	102439	***	lbs/day	***	351	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	93896	***	lbs/day	***	320	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
WRTP_Influent_04.2019.pdf	Laboratory Analytical Report	2019-05-24T14 47:41-04 00	
Hauled In Residual Wastes_04-2019.xls	Hauled-In Residual Waste Form	2019-05-24T14 49 37-04 00	
Influent and Process Control_04.2019.xls	Influent and Process Control Form	2019-05-24T14:49.56-04:00	
DMR Cover Letter Apr 2019 doc	Cover Letter	2019-05-28T07 07:02-04:00	
DRBC_4-15-19.pdf	Laboratory Analytical Report	2019-05-24T14 45:10-04:00	
WRTP_Effluent_04.2019 pdf	Laboratory Analytical Report	2019-05-24T14:46:27-04.00	
DMR Laboratory Accreditation-ALS-04-2019.doc	Laboratory Accreditation Form	2019-05-24T14:50.34-04:00	
DMR Laboratory Accreditation-MJR-04-2019.doc	Laboratory Accreditation Form	2019-05-24T14:50 51-04.00	
WRTP_Sludge_04.2019.pdf	Laboratory Analytical Report	2019-05-24T14 53.12-04:00	
April 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-05-24T14:53:32-04 00	
Trucked Waste_04.2019 xlsx	Other	2019-05-24T14:54 06-04 00	Trucked Waste_04.2019
EFF_4-3-19.PDF	Laboratory Analytical Report	2019-05-24T14:46:05-04 00	
DRBC_4-1-19.pdf	Laboratory Analytical Report	2019-05-24T14:44 37-04:00	
DMR Laboratory Accreditation-WRTP-04-2019.doc	Laboratory Accreditation Form	2019-05-24T14 51.08-04 00	
Sewage Sludge Biosolids Production and Disposal Form_04.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-05-24T14.51:51-04:00	
DRBC_4-22-19.pdf	Laboratory Analytical Report	2019-05-24T14:45:30-04:00	
WRTP_Process_04.2019.pdf	Laboratory Analytical Report	2019-05-24T14 50:15-04:00	
DRBC_4-8-19.pdf	Laboratory Analytical Report	2019-05-24T14 44.54-04.00	
DRBC_4-29-19 pdf	Laboratory Analytical Report	2019-05-24T14 45:46-04:00	
Daily Effluent Monitoring Form-04-2019.xlsx	Daily Effluent Monitoring Form	2019-05-24T14 48:09-04:00	
Daily Influent Monitoring Form-04-2019 xlsx	Daily Effluent Monitoring Form	2019-05-24T14 48 30-04 00	
10% Fecal Calc_04.2019.xlsx	Other	2019-05-24T14.48 56-04 00	10% Fecal Calc_04.2019
Hauled In Municipal Waste_04-2019.xls	Hauled-In Municipal Waste Form	2019-05-24T14:49 15-04 00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
86130	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER		Michael Disantis	TELEPHONE		DATE		
	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).		(610)	876-5523	2019	5	28
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	04	01	TO	19	04	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 04/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	04	01	TO	19	04	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 06-00003
Lead, Total	EPA 200.7	ALS Environmental	PA 06-00003
Zinc, Total	EPA 200.7	ALS Environmental	PA 06-00003
Dichlorobromethane	EPA 624	ALS Environmental	PA 06-00003
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 06-00003
Chlorodibromomethane	EPA 624	ALS Environmental	PA 06-00003
TKN-N	EPA 351.2	ALS Environmental	PA 06-00003
Ammonia as N	D6919-09	ALS Environmental	PA 06-00003
Nitrate as N	EPA 300.0	ALS Environmental	PA 06-00003
Total Cyanide	EPA 335.4	ALS Environmental	PA 06-00003
Total Cadmium	200.7	ALS Environmental	PA 06-00003
Nitrite as N	EPA 300.0	ALS Environmental	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 05/28/19

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	05	01	TO	19	05	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 05/28/2019

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3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester   County: Delaware
Watershed: 3-G

Month: April   Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
	TOTAL:			TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

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Prepared By: Michael DiSantis   License No.: T0403
Title: Dir. Of Operations and Maintenance   Date: May 28, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: April Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	39.99			334	111,395	3640.00	2.31	671000.00		
2	37.91	430	135,953	360	113,821	3570.00	2.27	707000.00		
3	37.88			650	205,347	3890.00	1.86	608000.00		
4	38.45			387	124,100	3435.00	1.47	656000.00		
5	37.51			416	130,139	3870.00	1.66	662000.00		
6	37.01			240	74,079	3880.00	1.37	673000.00		
7	36.68			177	54,146	3680.00	2.58	670000.00		
8	38.69	489	157,788	383	123,584	3310.00	1.50	695000.00		
9	35.35			447	131,784	3615.00	1.16	737000.00		
10	31.67	414	109,349	378	99,840	4855.00	1.38	819000.00		
11	31.25			452	117,803	4575.00	1.43	852000.00		
12	31.98			390	104,018	3880.00	1.65	787000.00		
13	32.76			195	53,278	4570.00	0.94	745000.00		
14	29.08	173	41,957	252	61,117	3300.00	4.15	840000.00		
15	33.43			368	102,601	4000.00	1.77	793000.00		
16	27.97	533	124,333	488	113,836	4210.00	2.14	798000.00		
17	29.74			475	117,815	5760.00	2.09	699000.00		
18	31.56			420	110,548	4050.00	1.40	609000.00		
19	32.82			380	104,013	3310.00	1.45	644000.00		
20	42.38			322	113,811	3260.00	1.44	643000.00		
21	34.60	121	34,916	165	47,613	3090.00	2.24	582000.00		
22	33.30			355	98,591	3135.00	1.76	544000.00		
23	32.26	485	130,488	224	60,267	3165.00	1.05	460000.00		
24	31.84			420	111,529	3140.00	1.53	542000.00		
25	35.00			438	127,852	3085.00	1.73	548000.00		
26	46.77			302	117,799	3105.00	1.48	529000.00		
27	40.25			183	61,430	3195.00	1.90	507000.00		
28	37.27	142	44,138	152	47,246	3350.00	3.13	503000.00		
29	35.90			387	115,870	3300.00	2.24	505000.00		
30	37.20	482	149,540	380	117,894	4660.00	1.61	514000.00		
31										
Avg	35.283	363	103,162	351	102,439	3,730	2	651,400		
Max	46.77	533	157,788	650	205,347	5,760	4	852,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 5/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: April Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	52500			Headworks	106270			Sludge Thickening	186200				344,970	0
2	64500			Headworks	101980			Sludge Thickening	144250				310,730	0
3	35150			Headworks	103710			Sludge Thickening	117450				256,310	0
4	58200			Headworks	153269			Sludge Thickening	156425				367,894	0
5	53500			Headworks	49400			Sludge Thickening	137358				240,258	0
6	22000			Headworks				Sludge Thickening	67022				89,022	0
7				Headworks				Sludge Thickening						
8	64840			Headworks	98005			Sludge Thickening	137622				300,467	0
9	76100			Headworks	108651			Sludge Thickening	192690				377,441	0
10	47750			Headworks	94322			Sludge Thickening	129750				271,822	0
11	42235			Headworks	145053			Sludge Thickening	150500				337,788	0
12	56550			Headworks	99578			Sludge Thickening	106528				262,656	0
13	15000			Headworks				Sludge Thickening	13614				28,614	0
14				Headworks				Sludge Thickening						
15	40150			Headworks	83214			Sludge Thickening	96000				219,364	0
16	77450			Headworks	125292			Sludge Thickening	93500				296,242	0
17	35675			Headworks	115659			Sludge Thickening	77000				228,334	0
18	41200			Headworks	156051			Sludge Thickening	81700				278,951	0
19	57200			Headworks	66433			Sludge Thickening	116000				239,633	0
20	12000			Headworks				Sludge Thickening	26307				38,307	0
21				Headworks				Sludge Thickening						
22	69500			Headworks	97349			Sludge Thickening	83650				250,499	0
23	38450			Headworks	147876			Sludge Thickening	122400				308,726	0
24	55700			Headworks	104345			Sludge Thickening	136200				296,245	0
25	51260			Headworks	173585			Sludge Thickening	105600				330,445	0
26	63100			Headworks	84868			Sludge Thickening	119350				267,318	0
27	10330			Headworks				Sludge Thickening	46438				56,768	0
28				Headworks				Sludge Thickening						
29	57092			Headworks	86535			Sludge Thickening	140350				283,977	0
30	50950			Headworks	124409				110710				286,069	0
31														
Avg	48,015				110,266				111,331			Monthly Totals:	6,568,850	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 5/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: April Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1									79700				79,700	0
2									109100				109,100	0
3									136200				136,200	0
4									165346				165,346	0
5									152539				152,539	0
6														
7														
8									91550				91,550	0
9									135250				135,250	0
10									138500				138,500	0
11									181448				181,448	0
12									131800				131,800	0
13									6500				6,500	0
14														
15									108200				108,200	0
16									146300				146,300	0
17									160506				160,506	0
18									201523				201,523	0
19									174200				174,200	0
20														
21														
22									100900				100,900	0
23									67000				67,000	0
24									147600				147,600	0
25									171899				171,899	0
26									124600				124,600	0
27									13000				13,000	0
28														
29									77600				77,600	0
30									124370				124,370	0
31														
Avg									122,735			Monthly Totals:	2,945,631	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 4/28/2019

3800-FM-BCW0450 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: April
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace
License No.: T0403
Date: 5/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 4 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
Stage			1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	3/31/19	37.17						4						9.4																					
	Mon	4/1/19	37.53		9.8		7.07		10		17		92.06%		11.4		96.59%		376	<	5		0.41		14.95		0.40		0.186		23.90					
	Tue	4/2/19	35.47		5.2		6.97		15		17		94.81%		11.0		96.94%		661	<	5		0.54													
	Wed	4/3/19	35.59		16.0		6.96		14		27		96.64%		18.2		97.20%		717	<	5		0.23										0.0069	<	0.001	
	Thu	4/4/19	35.96	>	2419.6		6.99		9		31		97.97%		20.8		94.63%		717	<	5		0.25													
	Fri	4/5/19	35.20		14.5		6.93		14		53		96.88%		35.6		91.44%			<	5		0.41													
	Sat	4/6/19	34.52		13.4		6.93		16		73		96.05%		48.7		79.71%			<	5		0.45													
2	Sun	4/7/19	34.16		5.2		6.99		18		80		92.34%		53.5		69.77%		553	<	5		0.23													
	Mon	4/8/19	36.10		4.1		6.98		9		25		94.44%		16.7		95.64%		599	<	5		0.32													
	Tue	4/9/19	32.31		11.9		7.06		12		26		96.49%		17.6		96.06%		699	<	5		0.40													
	Wed	4/10/19	28.60		7.4		7.07		12		21		97.49%		14.0		96.30%		755	<	5		0.48													
	Thu	4/11/19	28.57		16.0		7.06		16		22		95.83%		14.6		96.73%		790	<	5		0.31													
	Fri	4/12/19	29.32		8.5		6.97		5		22		98.87%		14.4		96.31%			<	5		0.47													
	Sat	4/13/19	31.44		14.6		6.84		30		54		90.07%		36.0		81.54%			<	5		0.42													
3	Sun	4/14/19	26.82		5.3		6.93		14		39		92.95%		26.2		89.60%		601	<	5		0.31													
	Mon	4/15/19	30.85		3.1		6.83		20		28		84.38%		18.7		94.92%		597	<	5		0.55													
	Tue	4/16/19	25.58		9.8		6.94		11		22		97.00%		14.6		97.01%		799	<	5		0.58													
	Wed	4/17/19	23.68		7.5		6.97		8		18		98.30%		11.8		97.52%			<	5		0.14													
	Thu	4/18/19	28.98		13.4		7.08		8		11		97.60%		7.5		98.21%			<	5		0.48													
	Fri	4/19/19	30.21		12.2		7.06		7		16		97.28%		10.8		97.15%			<	5		0.35													
	Sat	4/20/19	39.78		17.3		6.99		6		17		98.36%		11.0		96.59%			<	5		0.48													
4	Sun	4/21/19	31.09		7.4		7.08		5		16		98.53%		10.4		93.70%		691	<	5		0.27													
	Mon	4/22/19	29.34		4.1		6.95		7		21		92.71%		13.7		96.14%		710	<	5		0.25		13.80		1.51		2.305		19.35					
	Tue	4/23/19	29.04	>	2419.6		6.93		18		9		95.49%		6.0		97.32%		842	<	5		0.27													
	Wed	4/24/19	29.25		14.6		7.06		7		15		98.11%		9.7		97.69%		887	<	5		0.57													
	Thu	4/25/19	32.39		21.3		7.14		7		15		98.32%		9.9		97.74%		884	<	5		0.19													
	Fri	4/26/19	44.03		30.1		7.02		7		9		97.86%		6.2		97.95%			<	5		0.49													
	Sat	4/27/19	37.36		18.7		6.84		6		8		98.65%		5.3		97.10%			<	5		0.60													
5	Sun	4/28/19	33.85		7.5		6.87		5		10		98.84%		6.9		95.46%		645	<	5		0.22													
	Mon	4/29/19	32.58		2.0		6.82		6		13		94.23%		8.4		97.83%		692	<	5		0.51		12.55		1.03		1.690		16.52					
	Tue	4/30/19	33.65		19.9		6.98		5		12		98.43%		8.3		97.82%		765	<	5		0.44													
Statistics for Data																																				
Daily Minimum (Conc.):					2		6.82		5		7.95		0.84375		5.3		0.697740113		376	<	5		0.14		12.55		0.4		0.186		16.52		0.0069	<	0.001	
Daily Maximum (Conc):				>	2419.6		7.14		30		80.25		0.988713318		53.5		0.982142857		887	<	5		0.6		14.95		1.51		2.305		23.9		0.0069	<	0.001	
Max Avg Weekly (Conc.):									15		36.43		0.968100566		24		0.968057558		803	<	5		0		14.95		1.51		2.305		23.9		0.0069	<	0.001	
Avg Monthly (Conc.):									11		24.91		0.957400426		17		0.942866474		700	<	5		0.4		13.77		0.98		1.394		19.92		0.0069	<	0.001	
Geometric Mean (Conc.):				>	14																															
Max Avg Weekly (Load):	35.92								3836		10734				5550				202401	<	1489		114		4679		369		564		7481		2	<	0.3	
Avg Monthly (Load):	32.46								2925		6758				4505				184916	<	1354		106		3822		258		360		5568		2	<	0.3	
Total Monthly (Load):	973.85								87759		202740				135160				5547485	<	40610		3170		114662		7746		10814		167043		61	<	9	
Daily Minimum (Load):	23.88								1223		2180				1453				117688	<	996		28		3377		125		58		4489		2	<	0.3	
Daily Maximum (Load):	44.03								7866		22853				15242				238797	<	1836		187		4679		369		564		7481		2	<	0.3	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 5/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 4 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

			Flow		TSS		BOD5		CBOD5																											
			1		RI		RI		RI																											
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Sun	3/31/19																																		
	Mon	4/1/19	39.99		334				289																											
	Tue	4/2/19	37.91		360		439		417																											
	Wed	4/3/19	37.88		650				443																											
	Thu	4/4/19	38.48		367				340																											
	Fri	4/5/19	37.51		416				405																											
	Sat	4/6/19	37.01		240				235																											
2	Sun	4/7/19	36.68		177				162																											
	Mon	4/8/19	38.69		383		488		342																											
	Tue	4/9/19	35.35		447				478																											
	Wed	4/10/19	31.67		378		414		384																											
	Thu	4/11/19	31.25		452				443																											
	Fri	4/12/19	31.98		390				302																											
	Sat	4/13/19	32.76		195				199																											
3	Sun	4/14/19	29.08		252		173		128																											
	Mon	4/15/19	33.43		368				367																											
	Tue	4/16/19	27.97		498		533		470																											
	Wed	4/17/19	29.74		475				354																											
	Thu	4/18/19	31.56		420				257																											
	Fri	4/19/19	32.82		380				366																											
	Sat	4/20/19	42.38		322				144																											
4	Sun	4/21/19	34.60		165		121		96																											
	Mon	4/22/19	33.30		355				399																											
	Tue	4/23/19	32.26		224		485		371																											
	Wed	4/24/19	31.84		420				417																											
	Thu	4/25/19	35.00		438				327																											
	Fri	4/26/19	46.77		302				445																											
	Sat	4/27/19	40.25		163				158																											
5	Sun	4/28/19	37.27		152		142		104																											
	Mon	4/29/19	35.80		387				319																											
	Tue	4/30/19	37.20		380		482		441																											
Statistic of D																																				
Daily Minimum (Conc.):					152		121		96																											
Daily Maximum (Conc):					650		533		478																											
Max Avg Weekly (Conc.):					398		452		355																											
Avg Monthly (Conc.):					351		363		320																											
Geometric Mean (Conc.):																																				
Max Avg Weekly (Load):			38.13		126480		135953		112741																											
Avg Monthly (Load):			35.28		102439		103162		93896																											
Total Monthly (Load):			1058.5		3073167		3094873		2816874																											
Daily Minimum (Load):			27.97		47245		36916		27702																											
Daily Maximum (Load):			46.77		208347		157788		173678																											

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 5/28/2019

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **April** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	Yes	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	Yes	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis**
Title: **Dir. Of Operations and Maintenance**

License No.: **T0403**
Date: **5/15/2019**

Bonnett, Barbara MAY 2019

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, June 27, 2019 3:53 PM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 05/01/2019-05/31/2019
Report Due Date: 06/28/2019

Submitted By: Michael DiSantis
Submission Id: 154328
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

June 27, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for May, 2019. All parameters were in compliance during the month.

Parameter averages for May, 2019 were: Flow – 41.83 MGD; $cBOD_5$ – 8 mg/L; TSS – 16 mg/L; $cBOD_{20}$ % removal – 95.98%; and $cBOD_{20}$ – 4,636 lbs/day.

Should any further information be required concerning this report, please contact me at (610) 876-5523, ext. 256.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

ADMINISTRATION
☐610-876-5523
☐FAX: 610-876-2728

CUSTOMER SERVICE/BILLING
☐610-876-5526
☐FAX: 610-876-1460

PURCHASING & STORES
☐610-876-5523
☐FAX: 610-497-7959

PLANT & MAINTENANCE
☐610-876-5523
☐FAX: 610-497-7950

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	05	01	TO	2019	05	31

Reporting Frequency: Monthly
DMR Effective From: 05/01/2019
DMR Effective To: 05/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.76	***	7.12	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6294	14580	lbs/day	***	16.0	30.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1762	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	3814	***	lbs/day	***	10.4	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	9990 Avg Mo	***		***	23.0 Avg Mo	***		2/month	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.403	1.06	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<1.24	<2	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	15.12	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0086	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0069	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.025	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0014	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	41.83	65.01	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.71	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	594	839	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	22	76.3	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	3091	5959	lbs/day	***	8.0	13.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	4636	***	lbs/day	***	***	***	***	1/day	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	05	01	TO	2019	05	31

Reporting Frequency: Monthly
DMR Effective From: 05/01/2019
DMR Effective To: 05/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	***	***	***	95.98	***	***	%	1/week	24-Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	05	01	TO	2019	05	31

Reporting Frequency: Monthly
DMR Effective From: 05/01/2019
DMR Effective To: 05/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	96773	***	lbs/day	***	235	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	98725	***	lbs/day	***	272	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	89041	***	lbs/day	***	250	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Hauled In Municipal Waste_05-2019.xls	Hauled-In Municipal Waste Form	2019-06-27T14:38:44-04:00	
DRBC_5-21-19.pdf	Laboratory Analytical Report	2019-06-25T12:35:36-04:00	
WRTP_Effluent_05.2019.pdf	Laboratory Analytical Report	2019-06-27T14:16:25-04:00	
DRBC_5-13-19.pdf	Laboratory Analytical Report	2019-06-25T12:34:56-04:00	
DRBC_5-27-19.pdf	Laboratory Analytical Report	2019-06-25T12:36:11-04:00	
DMR Laboratory Accreditation-MJR-05-2019.doc	Laboratory Accreditation Form	2019-06-25T12:46:49-04:00	
DMR Laboratory Accreditation-ALS-05-2019.doc	Laboratory Accreditation Form	2019-06-25T12:46:18-04:00	
DMR Laboratory Accreditation-WRTP-05-2019.doc	Laboratory Accreditation Form	2019-06-25T12:47:13-04:00	
WRTP_Process_05.2019.pdf	Laboratory Analytical Report	2019-06-25T12:43:48-04:00	
Daily Influent Monitoring Form-05-2019.xlsx	Daily Effluent Monitoring Form	2019-06-27T14:18:02-04:00	
EFF_5-2-19.PDF	Laboratory Analytical Report	2019-06-25T12:33:28-04:00	
WRTP_Sludge_05.2019.pdf	Laboratory Analytical Report	2019-06-25T12:59:48-04:00	
Trucked Waste_05.2019.xlsx	Other	2019-06-25T13:01:51-04:00	Trucked Waste_05.2019
DRBC_5-7-19.pdf	Laboratory Analytical Report	2019-06-25T12:34:26-04:00	
Influent and Process Control_05.2019.xls	Influent and Process Control Form	2019-06-27T14:17:00-04:00	
WRTP_Influent_05.2019.pdf	Laboratory Analytical Report	2019-06-25T12:29:54-04:00	
Sewage Sludge Biosolids Production and Disposal Form_05.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-06-25T12:57:29-04:00	
Daily Effluent Monitoring Form-05-2019.xlsx	Daily Effluent Monitoring Form	2019-06-27T14:17:34-04:00	
Inf-PRF Calculations.xlsx	Other	2019-06-27T14:19:13-04:00	Inf-PRF Calculations
DMR Cover Letter May 2019.doc	Cover Letter	2019-06-27T14:46:15-04:00	
Hauled In Residual Wastes_05-2019.xls	Hauled-In Residual Waste Form	2019-06-25T12:30:29-04:00	
May 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-06-25T13:08:21-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
90224	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	All samples were taken as a composite but due to revisions in the plant as a result of construction. In order to determine effluent cBOD20, we must remove the recycle flow and loading from the equation.

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
			(610)	876-5523	2019	6	27
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	05	01	TO	19	05	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 06/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	05	01	TO	19	05	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 06-00003
Lead, Total	EPA 200.7	ALS Environmental	PA 06-00003
Zinc, Total	EPA 200.7	ALS Environmental	PA 06-00003
Dichlorobromethane	EPA 624	ALS Environmental	PA 06-00003
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 06-00003
Chlorodibromomethane	EPA 624	ALS Environmental	PA 06-00003
TKN-N	EPA 351.2	ALS Environmental	PA 06-00003
Ammonia as N	D6919-09	ALS Environmental	PA 06-00003
Nitrate as N	EPA 300.0	ALS Environmental	PA 06-00003
Total Cyanide	EPA 335.4	ALS Environmental	PA 06-00003
Total Cadmium	200.7	ALS Environmental	PA 06-00003
Nitrite as N	EPA 300.0	ALS Environmental	PA 06-00003

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Michael J. DiSantis **Date:** 06/28/19

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	05	01	TO	19	05	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 06/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

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3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester County: Delaware
Watershed: 3-G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
TOTAL:				TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recyc	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: June 28, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	36.51			508	154,683	4495	1.61	485000		
2	35.93			546	163,668	5475	1.29	548000		
3	33.58			472	132,187	4245	1.58	529000		
4	34.80			222	64,432	4055	1.30	528000		
5	53.60	181	80,911	268	119,802	4965	1.69	507000		
6	41.16			283	97,147	4145	2.10	496000		
7	36.93			380	117,039	5395	1.27	496000		
8	63.54	176	93,267	295	156,327	3180	1.38	473000		
9	52.64			298	130,827	3415	1.59	544000		
10	48.42			355	143,357	5800	1.35	540000		
11	40.70			178	60,420	3865	1.56	547000		
12	67.86			140	79,233	3360	2.27	557000		
13	67.98	243	137,770	210	119,060	3015	1.96	489000		
14	53.65			228	102,017	3260	2.29	481000		
15	50.21	372	155,776	292	122,275	3600	2.06	508000		
16	45.17			177	66,679	3870	1.36	411000		
17	45.09			172	64,804	3900	1.88	514000		
18	41.60			154	53,520	3850	2.18	533000		
19	41.57	147	50,839	236	81,922	3725	2.47	518000		
20	41.88			338	117,997	4495	1.56	535000		
21	39.49			410	134,999	4110	1.42	544000		
22	37.89	348	110,067	347	109,616	4250	1.11	530000		
23	44.45			348	128,825	4365	1.13	462000		
24	43.11			225	80,894	3920	1.19	561000		
25	37.08			139	43,013	5035	1.25	570000		
26	38.60			86	27,608	4225	1.40	570000		
27	36.29	73	22,245	98	29,510	4445	1.77	567000		
28	42.47			329	116,695	4615	0.84	559000		
29	43.41	341	123,314	218	78,954	4510	0.93	544000		
30	42.33			263	92,707	4610	1.01	565000		
31	41.44			203	70,252	4495	0.93	542000		
Avg	44.496	235	96,773	272	98,725	4,216	2	524,290		
Max	67.98	372	155,776	546	163,668	5,800	2	570,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 6/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE Gallons	SEPTAGE BOD_5 (mg/l)	SEPTAGE BOD_5 (lbs)	SEPTAGE Disposal Location	SLUDGE Gallons	SLUDGE BOD_5 (mg/l)	SLUDGE BOD_5 (lbs)	SLUDGE Disposal Location	OTHER (specify): Holding Tank Gallons	OTHER BOD_5 (mg/l)	OTHER BOD_5 (lbs)	OTHER Disposal Location	DAILY TOTALS Gallons	DAILY TOTALS BOD_5 (lbs)
1	56914			Headworks	100700			Sludge Thickening	86900				244,514	0
2	81800			Headworks	153709			Sludge Thickening	109400				344,909	0
3	46950			Headworks	85208			Sludge Thickening	76850				209,008	0
4	19300			Headworks				Sludge Thickening	51979				71,279	0
5				Headworks				Sludge Thickening						
6	55750			Headworks	98620			Sludge Thickening	133200				287,570	0
7	53950			Headworks	111500			Sludge Thickening	82730				248,180	0
8	37550			Headworks	99000			Sludge Thickening	78100				214,650	0
9	68350			Headworks	149000			Sludge Thickening	50300				267,650	0
10	89551			Headworks	47872			Sludge Thickening	87017				224,440	0
11	10000			Headworks				Sludge Thickening	13760				23,760	0
12				Headworks				Sludge Thickening						
13	50400			Headworks	110990			Sludge Thickening	98350				259,740	0
14	90100			Headworks	103664			Sludge Thickening	104280				298,044	0
15	60400			Headworks	117760			Sludge Thickening	64400				242,560	0
16	59375			Headworks	154370			Sludge Thickening	97736				311,481	0
17	81747			Headworks	97870			Sludge Thickening	62750				242,367	0
18	14100			Headworks				Sludge Thickening	43550				57,650	0
19				Headworks				Sludge Thickening						
20	49750			Headworks	66427			Sludge Thickening	105522				221,699	0
21	63000			Headworks	72976			Sludge Thickening	73080				209,056	0
22	38118			Headworks	93015			Sludge Thickening	71332				202,465	0
23	59900			Headworks	116600			Sludge Thickening	86300				262,800	0
24	56181			Headworks	49095			Sludge Thickening	96761				202,037	0
25	20025			Headworks	12231			Sludge Thickening	27178				59,434	0
26				Headworks				Sludge Thickening						
27				Headworks				Sludge Thickening						
28	50900			Headworks	116938			Sludge Thickening	107050				274,888	0
29	42100			Headworks	106272			Sludge Thickening	60350				208,722	0
30	45350			Headworks	149766				67420				262,536	0
31	57734				91112				98696				247,542	0
Avg	52,281				100,204				78,269			Monthly Totals:	5,698,981	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 6/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1									211700				211,700	0
2									233712				233,712	0
3									185026				185,026	0
4									4600				4,600	0
5														
6									116200				116,200	0
7									106496				106,496	0
8									155500				155,500	0
9									222714				222,714	0
10									131073				131,073	0
11									6000				6,000	0
12														
13									144950				144,950	0
14									141100				141,100	0
15									156080				156,080	0
16									225341				225,341	0
17									137300				137,300	0
18														
19														
20									69650				69,650	0
21									118750				118,750	0
22									101300				101,300	0
23									142016				142,016	0
24									143700				143,700	0
25														
26														
27									7400				7,400	0
28									121700				121,700	0
29									168252				168,252	0
30									271228				271,228	0
31									126800				126,800	0
Avg									137,944			Monthly Totals:	3,448,588	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 6/28/2019

3800-FM-BCW0450 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 6/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 5 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Stage	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	4/28/19	33.85						5						6.9																					
	Mon	4/29/19	32.58						6						8.4																					
	Tue	4/30/19	33.85						5						8.3																					
	Wed	5/1/19	34.14		76.3		6.86		5		8		99.31%		10.1		98.01%		839	<	5		0.18										0.0069	<	0.0010	
	Thu	5/2/19	33.16		50.4		6.89		8		12		98.87%		11.5		97.89%		609	<	5		0.43													
	Fri	5/3/19	30.83		20.3		6.96		6		9		98.32%		11.1		97.65%			<	5		0.27													
	Sat	5/4/19	32.51		13.2		6.95		5		8		97.41%		10.0		95.50%			<	5		0.31													
2	Sun	5/5/19	50.57		22.6		6.94		8		12		95.29%		15.8		94.10%		555	<	5		0.50													
	Mon	5/6/19	39.24		15.6		6.86		12		18		95.15%		13.4		95.27%		502	<	5		0.35													
	Tue	5/7/19	34.82		44.6		6.97		7		11		98.18%		9.9		97.39%		646	<	5		0.45		11.00		0.41		0.131		14.87					
	Wed	5/8/19	60.80		40.2		6.80		6		9		95.56%		14.2		95.19%		539	<	5		0.54													
	Thu	5/9/19	49.75		27.9		6.79		6		9		97.09%		9.3		96.88%		552	<	5		0.37													
	Fri	5/10/19	45.40		13.4		6.81		6		9		97.39%		10.8		96.96%			<	5		0.46													
	Sat	5/11/19	36.07		14.4		6.94		4		6		97.63%		8.9		95.00%			<	5		0.41													
3	Sun	5/12/19	54.84		27.9		6.80		25		38		61.11%		90.0		35.71%		223	<	5		0.44													
	Mon	5/13/19	65.01		38.4		6.84		28		42		83.91%		56.0		73.33%		668	<	6		0.40		8.84		0.54		0.220		13.69					
	Tue	5/14/19	51.45		22.8		6.85		6		9		97.44%		10.0		95.61%		523	<	5		0.45													
	Wed	5/15/19	47.79		20.1		6.80		5		8		97.75%		11.0		96.23%		524	<	5		0.22													
	Thu	5/16/19	42.83		36.4		6.95		12		18		94.06%		20.7		88.31%		528	<	5		0.54													
	Fri	5/17/19	42.74		12.2		6.87		8		12		96.92%		11.0		93.62%			<	5		0.38													
	Sat	5/18/19	39.13		6.3		6.96		4		6		98.19%		9.3		93.97%			<	5		0.54													
4	Sun	5/19/19	36.85		12.2		6.89		4		6		97.25%		6.9		97.08%		563	<	5		0.26													
	Mon	5/20/19	39.25		26.2		6.92		9		14		97.24%		11.4		96.63%			<	5		0.33													
	Tue	5/21/19	37.03		59.1		6.92		8		12		97.69%		11.5		97.19%		673	<	5		0.50		10.60	<	2.00		0.200		16.90					
	Wed	5/22/19	35.40		25.9		6.93		11		17		95.81%		12.5		96.40%		696	<	5		0.43													
	Thu	5/23/19	39.90		47.1		6.99		7		11		97.83%		15.8		95.45%		674	<	5		0.35													
	Fri	5/24/19	40.56		56.5		7.00		10		15		94.50%		14.3		93.64%			<	5		0.14													
	Sat	5/25/19	34.59		37.9		7.12		5		8		96.55%		10.1		92.74%			<	5		0.37													
5	Sun	5/26/19	36.23		10.8		6.99		4		6		95.74%		7.5		91.25%			<	5		0.15													
	Mon	5/27/19	33.89		10.8		6.97		2		3		97.59%		6.7		93.13%		509	<	5		0.29		11.30	<	2.00		1.060		15.00					
	Tue	5/28/19	39.21		4.1		6.88		7		11		96.52%		14.4		95.63%		616	<	5		0.71													
	Wed	5/29/19	41.07		29.5		6.85		11		17		94.66%		21.0		90.37%		627	<	5		0.34													
	Thu	5/30/19	38.73		11.0		6.76		6		9		97.47%		10.7		95.93%		619	<	5		0.37													
	Fri	5/31/19	38.91		9.7		6.97		7		11		97.01%		11.7		94.24%			<	5		0.52													
	Sat	6/1/19	35.55						5						9.8																					
Daily Minimum (Conc.):					4.1		6.76		2		3		0.811132758		6.7		0.367142857		223	<	5		0.14		8.84		0.41		0.131		13.69		0.0069	<	0.001	
Daily Maximum (Conc):					76.3		7.12		28		42		0.993093923		90		0.98011811		839	<	6		0.71		11.3	<	2		1.06		16.9		0.0069	<	0.001	
Max Avg Weekly (Conc.):									13		18.9		0.984789951		30		0.972625251		624	<	5		0		11.3	<	2		1.06		16.9		0.0069	<	0.001	
Avg Monthly (Conc.):									8		12.2		0.959826302		16		0.924616204		594	<	5		0.4		10.44	<	1.24		0.403		15.12		0.0069	<	0.001	
Geometric Mean (Conc.):					22																															
Max Avg Weekly (Load):			50.54						5959		8938				14580				231309	<	2185		177		4793	<	618		300		7422		2	<	0.3	
Avg Monthly (Load):			41.83						3091		4636				6294				211762	<	1762		137		3614	<	399		130		5300		2	<	0.3	
Total Monthly (Load):			1296.71						95809		143714				195110				6565239	<	54615		4260		112024	<	12360		4020		164297		59	<	9	
Daily Minimum (Load):			30.83						565		848				1894				120591	<	1285		45		3194		119		38		4240		2	<	0.3	
Daily Maximum (Load):			65.01						15181		22772				48669				362179	<	3253		274		4793	<	618		300		7422		2	<	0.3	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 6/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 5 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		TSS		BOD5		CBOD5																			
Stage			1		RI		RI		RI																			
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		
1	Sun	4/28/19																										
	Mon	4/29/19																										
	Tue	4/30/19																										
	Wed	5/1/19	36.51		508				724																			
	Thu	5/2/19	35.93		546				710																			
	Fri	5/3/19	33.58		472				358																			
	Sat	5/4/19	34.80		222				193																			
2	Sun	5/5/19	53.60		268		181		170																			
	Mon	5/6/19	41.16		283				247																			
	Tue	5/7/19	36.93		380				384																			
	Wed	5/8/19	63.54		295		176		135																			
	Thu	5/9/19	52.64		298				206																			
	Fri	5/10/19	48.42		355				230																			
	Sat	5/11/19	40.70		178				169																			
3	Sun	5/12/19	67.86		140				132																			
	Mon	5/13/19	67.98		210		243		174																			
	Tue	5/14/19	53.65		228				234																			
	Wed	5/15/19	50.21		292		372		222																			
	Thu	5/16/19	45.17		177				202																			
	Fri	5/17/19	45.09		172				260																			
	Sat	5/18/19	41.60		154				221																			
4	Sun	5/19/19	41.57		236		147		146																			
	Mon	5/20/19	41.88		338				327																			
	Tue	5/21/19	39.49		410				346																			
	Wed	5/22/19	37.89		347		348		263																			
	Thu	5/23/19	44.45		348				323																			
	Fri	5/24/19	43.11		225				182																			
	Sat	5/25/19	37.08		139				145																			
5	Sun	5/26/19	38.60		86				94																			
	Mon	5/27/19	36.29		98		73		83																			
	Tue	5/28/19	42.47		329				201																			
	Wed	5/29/19	43.41		218		341		206																			
	Thu	5/30/19	42.33		263				238																			
	Fri	5/31/19	41.44		203				234																			
	Sat	6/1/19																										
Statistics for DMR																												
Daily Minimum (Conc.):					85.75906736		73.4973822		83																			
Daily Maximum (Conc):					546.1856387		372		724																			
Max Avg Weekly (Conc.):					437.0464097		307.5		496.25																			
Avg Monthly (Conc.):					271.5468267		235.1318869		250.2816678																			
Geometric Mean (Conc.):																												
Max Avg Weekly (Load):			53.08		128742		146773		147371																			
Avg Monthly (Load):			44.5		98725		96773		89041																			
Total Monthly (Load):			1379.38		3060470		2999975		2760276																			
Daily Minimum (Load):			33.58		27608		22245		25121																			
Daily Maximum (Load):			67.98		163668		155776		220453																			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 6/28/2019

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: Delaware County Regional Water Quality Control Authority
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: May Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Of Operations and Maintenance

License No.: T0403
Date: 6/28/2019

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Sunday, July 28, 2019 6:47 PM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 06/01/2019-06/30/2019
Report Due Date: 07/28/2019

Submitted By: Michael DiSantis
Submission Id: 160284
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

July 28, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for June, 2019.

We regret to report that there were two exceedances for exceeding the instantaneous maximum fecal coliform permit limit, one on 6/20 and the other on 6/21. We believe these results were due to the total flow on those two days being well above plant design at 73.08 and 52.73 MGD, respectively. All other parameters were in compliance during the month. Parameter averages for June, 2019 were: Flow – 39.06 MGD; $cBOD_5$ – 11 mg/L; TSS – 19 mg/L; $cBOD_{20}$ % removal – 93.90%; and $cBOD_{20}$ – 6,283 lbs/day.

Should any further information be required concerning this report, please contact me at (610) 876-5523, ext. 256.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

ADMINISTRATION
☐610-876-5523
☐FAX: 610-876-2728

CUSTOMER SERVICE/BILLING
☐610-876-5526
☐FAX: 610-876-1460

PURCHASING & STORES
☐610-876-5523
☐FAX: 610-497-7959

PLANT & MAINTENANCE
☐610-876-5523
☐FAX: 610-497-7950

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	06	01	TO	2019	06	30

Reporting Frequency: Monthly
DMR Effective From: 06/01/2019
DMR Effective To: 06/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.72	***	7.3	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	7076	16164	lbs/day	***	19.0	37.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1652	***	lbs/day	***	<5.0	7.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	4434	***	lbs/day	***	14.3	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	9590 Avg Mo	***		***	23.0 Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.748	1.9	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	1.95	6.31	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	18.16	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.021	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0007	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0059	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	.0013	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.041	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0012	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	39.06	73.08	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	<.4	.77	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	662	924	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	>29	>2419.6	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4188	8648	lbs/day	***	11.0	18.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous 20 day, 20 C (80087)	Sample Measurement	6263	***	lbs/day	***	***	***	***	1/day	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	06	01	TO	2019	06	30

Reporting Frequency: Monthly
DMR Effective From: 06/01/2019
DMR Effective To: 06/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80082)	Sample Measurement	***	***	***	93.90	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	06	01	TO	2019	06	30

Reporting Frequency: Monthly
DMR Effective From: 06/01/2019
DMR Effective To: 06/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	57183	***	lbs/day	***	175	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	208	***	lbs/day	***	73171	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	67549	***	lbs/day	***	195	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter June 2019.doc	Cover Letter	2019-07-28T18:43:05-04:00	
June 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-07-23T10:13:02-04:00	
Daily Influent Monitoring Form-06-2019.xlsx	Daily Effluent Monitoring Form	2019-07-23T09:43:49-04:00	
DMR Laboratory Accreditation-WRTP-06-2019.doc	Laboratory Accreditation Form	2019-07-23T10:01:57-04:00	
Influent and Process Control_06.2019.xls	Influent and Process Control Form	2019-07-23T09:56:45-04:00	
DMR Laboratory Accreditation-ALS-06-2019.doc	Laboratory Accreditation Form	2019-07-23T10:01:00-04:00	
Sewage Sludge Biosolids Production and Disposal Form_06.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-07-23T10:02:48-04:00	
Hauled In Residual Wastes_06-2019.xlsx	Hauled-In Residual Waste Form	2019-07-23T09:56:21-04:00	
Inf-PRF June 2019 Calculations.xlsx	Other	2019-07-23T09:45:32-04:00	Inf-PRF June 2019 Calculations
DMR Laboratory Accreditation-MJR-06-2019.doc	Laboratory Accreditation Form	2019-07-23T10:55:31-04:00	
EFF_6-4-19.PDF	Laboratory Analytical Report	2019-07-23T09:46:36-04:00	
Daily Effluent Monitoring Form-06-2019.xlsx	Daily Effluent Monitoring Form	2019-07-23T09:32:56-04:00	
Hauled In Municipal Waste_06-2019.xls	Hauled-In Municipal Waste Form	2019-07-23T09:55:49-04:00	
WRTP_Effluent_06.2019.pdf	Laboratory Analytical Report	2019-07-23T09:48:59-04:00	
WRTP_Influent_06.2019.pdf	Laboratory Analytical Report	2019-07-23T09:50:46-04:00	
WRTP_Process_06.2019.pdf	Laboratory Analytical Report	2019-07-23T09:59:41-04:00	
WRTP_Sludge_06.2019.pdf	Laboratory Analytical Report	2019-07-23T10:12:07-04:00	
Trucked Waste_06.2019.xlsx	Laboratory Analytical Report	2019-07-23T10:13:35-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
93571	06/01/2019	06/30/2019	Fecal Coliform	Instantaneous Maximum	>2419.6	1000	No./100 ml	Final Effluent (001)	Hydraulic flow exceeding plant or unit design	None taken	

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
93572	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	DRBC has changed cBOD20 reporting requirements from testing to calculation based on cBOD5

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
			(610)	876-5523	2019	7	28
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	06	01	TO	19	06	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523

Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis

Date: 07/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	06	01	TO	19	65	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 07/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	06	01	TO	19	06	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 07/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: **DELCORA STP**
Municipality: **City Of Chester** County: **Delaware**
Watershed: **3-G**

Month: **June** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **July 28, 2019**

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: June Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	38.22			100	31,775	4760.00	1.14	548000.00		
2	40.35	86	28,955	113	38,112	4675.00	1.32	566000.00		
3	36.80			223	68,412	4420.00	1.02	492000.00		
4	36.83	241	73,887	223	68,469	4800.00	1.09	574000.00		
5	38.30			293	93,732	4380.00	0.95	555000.00		
6	38.29			380	121,242	4790.00	0.86	565000.00		
7	36.11			361	108,580	4685.00	1.08	573000.00		
8	35.01			149	43,639	4800.00	1.27	584000.00		
9	34.41	113	32,429	117	33,479	4600.00	1.33	612000.00		
10	40.50			264	89,267	4445.00	1.07	617000.00		
11	37.76	131	41,324	80	25,255	4400.00	1.19	656000.00		
12	35.02			150	43,865	4375.00	1.11	621000.00		
13	58.83			232	113,643	4410.00	0.97	619000.00		
14	50.41			148	62,188	3840.00	1.08	594000.00		
15	44.49			140	52,107	5430.00	1.22	590000.00		
16	42.61	99	35,181	80	28,549	4920.00	1.36	599000.00		
17	39.37			303	99,489	4605.00	1.08	551000.00		
18	39.83	445	147,821	333	110,617	3880.00	0.94	570000.00		
19	40.17			250	83,785	5152.00	0.80	491000.00		
20	78.25			292	190,41		0.38			
21	55.40			164	75,946	3710.00	0.70	521000.00		
22	44.47			128	47,473	4245.00	1.28	583000.00		
23	43.29	91	32,855	127	45,852	4390.00	1.68	595000.00		
24	42.02			129	45,071	4215.00	1.25	599000.00		
25	40.03	195	65,012	153	51,135	4615.00	1.13	593000.00		
26	39.85			317	105,478	4505.00	1.20	620000.00		
27	38.54			395	126,947	4905.00	1.04	637000.00		
28	38.43			345	110,566	4925.00	1.25	664000.00		
29	38.23			170	54,066	4825.00	1.35	671000.00		
30	36.34			86	25,962	4955.00	2.23	653000.00		
31										
Avg	41.939	175	57,183	208	73,171	4,574	1	590,103		
Max	78.25	445	147,821	395	190,415	5,430	2	671,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 7/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: June Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1				Headworks	13000			Sludge Thickening	37262				50,262	0
2				Headworks				Sludge Thickening						
3	39453			Headworks	97332			Sludge Thickening	75328				212,113	0
4	38650			Headworks	91432			Sludge Thickening	90850				220,932	0
5	62120			Headworks	78201			Sludge Thickening	92644				232,965	0
6	87300			Headworks	159906			Sludge Thickening	55600				302,806	0
7	76600			Headworks	80299			Sludge Thickening	98975				255,874	0
8	20300			Headworks				Sludge Thickening	44902				65,202	0
9				Headworks				Sludge Thickening						
10	68500			Headworks	117160			Sludge Thickening	113350				299,010	0
11	111105			Headworks	120590			Sludge Thickening	62800				294,495	0
12	62650			Headworks	124260			Sludge Thickening	98150				285,060	0
13	67450			Headworks	142900			Sludge Thickening	89750				300,100	0
14	49730			Headworks	90658			Sludge Thickening	108550				248,938	0
15	13300			Headworks				Sludge Thickening	36880				50,180	0
16				Headworks				Sludge Thickening						
17	55300			Headworks	59652			Sludge Thickening	96250				211,202	0
18	90300			Headworks	122192			Sludge Thickening	108000				320,492	0
19	58210			Headworks	116229			Sludge Thickening	62910				237,349	0
20	50750			Headworks	141912			Sludge Thickening	64494				257,156	0
21	57868			Headworks	95333			Sludge Thickening	88500				241,701	0
22	17750			Headworks				Sludge Thickening	9750				27,500	0
23				Headworks				Sludge Thickening						
24	58100			Headworks	109850			Sludge Thickening	92800				260,750	0
25	67150			Headworks	123300			Sludge Thickening	57630				248,080	0
26	66725			Headworks	74300			Sludge Thickening	102887				243,912	0
27	51250			Headworks	150302			Sludge Thickening	85900				287,452	0
28	65300			Headworks	96880			Sludge Thickening	104205				266,385	0
29	24050			Headworks				Sludge Thickening	72939				96,989	0
30				Headworks										
31														
Avg	56,663				105,033				78,052			Monthly Totals:	5,516,905	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 7/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: June
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis
				Generator	Address	State		Yes/No
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 7/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 6 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Stage	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Sat	6/1/19	35.55		17.3		6.99		5		8		95.71%		9.8		90.17%				< 5		0.76													
1	Sun	6/2/19	37.89		12.0		6.86		4		6		94.38%		8.1		92.85%		524		< 5		0.37													
	Mon	6/3/19	34.31		14.6		6.83		9		14		96.34%		12.0		94.62%		580		< 5		0.54		14.05		0.71		0.530		17.43					
	Tue	6/4/19	34.24		33.1		6.94		6		9		95.86%		10.4		95.33%		726		< 5		0.35										0.0059		0.0013	
	Wed	6/5/19	35.52		31.3		6.93		9		14		96.91%		13.1		95.54%		708		< 5		0.28													
	Thu	6/6/19	35.60		16.0		6.99		12		18		97.14%		12.9		96.60%		702		< 5		0.65													
	Fri	6/7/19	33.39		18.5		6.98		7		11		97.73%		14.6		95.95%				< 5		0.56													
	Sat	6/8/19	32.46		12.1		7.06		5		8		97.15%		8.4		94.38%				< 5		0.41													
2	Sun	6/9/19	31.68		14.6		6.96		4		6		96.58%		8.6		92.63%		656		< 5		0.41													
	Mon	6/10/19	37.82		13.5		6.86		11		17		94.53%		37.0		66.00%		721		< 5		0.54		14.85		6.31		1.900		20.60					
	Tue	6/11/19	35.01		42.8		7.05		4		6		95.09%		9.6		88.03%		819		< 5		0.48													
	Wed	6/12/19	32.51		21.6		7.30		6		9		97.18%		11.6		92.28%		924		< 5		0.41													
	Thu	6/13/19	53.01		275.5		6.85		28		42		86.60%		26.0		88.77%		725		< 5		0.30													
	Fri	6/14/19	49.54		44.3		6.72		15		23		89.34%		21.6		85.40%				< 5		0.34													
	Sat	6/15/19	41.93		37.3		6.83		8		12		92.00%		13.7		90.24%				7		0.35													
3	Sun	6/16/19	40.93		9.8		6.90		4		6		93.75%		9.4		88.30%		516		< 5		0.32													
	Mon	6/17/19	37.65		10.8		6.79		12		18		94.98%		29.4		90.30%		613		< 5		0.36		14.55		0.41		0.383		18.35					
	Tue	6/18/19	37.82		60.2		6.99		14		21		96.20%		62.5		81.23%		702		< 5		0.77													
	Wed	6/19/19	36.69		27.2		6.92		13		20		96.38%		15.6		93.76%		731		< 5		0.35													
	Thu	6/20/19	73.08	>	2419.6		6.81		58		87		68.90%		81.9		71.93%		471		< 5	<	0.02													
	Fri	6/21/19	52.73		1119.9		6.80		21		32		88.63%		48.0		70.80%				< 5		0.24													
	Sat	6/22/19	41.55		35.0		6.91		7		11		93.64%		15.0		88.28%				< 5		0.45													
4	Sun	6/23/19	40.18		106.7		6.91		10		15		90.65%		9.3		92.68%		504		< 5		0.51													
	Mon	6/24/19	39.20		18.3		6.94		15		23		92.62%		11.9		90.75%		580		< 5		0.35		13.65		0.37		0.178		16.27					
	Tue	6/25/19	37.59		14.6		6.99		8		12		93.60%		11.7		92.36%		703		< 5		0.58													
	Wed	6/26/19	36.32		12.2		7.02		9		14		97.05%		13.6		95.65%		718		< 5		0.47													
	Thu	6/27/19	35.06		10.2		7.03		8		12		97.19%		14.0		96.46%		707		< 5		0.58													
	Fri	6/28/19	34.99		25.9		7.01		6		9		97.91%		13.3		96.14%				< 5		0.55													
	Sat	6/29/19	34.77		12.1		7.02		5		8		96.72%		9.5		94.40%				< 5		0.57													
5	Sun	6/30/19	32.66		4.1		7.01		3		5		96.21%		9.2		89.26%		581		< 5		0.41													
Daily Minimum (Conc.):					4.1		6.72		3		4.5		0.68901923		8.1		0.787979179		471	<	5	<	0.02		13.65		0.37		0.178		16.27		0.0059		0.0013	
Daily Maximum (Conc.):				>	2419.6		7.3		58		87		0.979097848		81.9		0.956022543		924	<	7	<	0.77		14.85		6.31		1.9		20.6		0.0059		0.0013	
Max Avg Weekly (Conc.):									18		27.6		0.964992877		37		0.950381717		759	<	5		1		14.85		6.31		1.9		20.6		0.0059		0.0013	
Avg Monthly (Conc.):									11		16.3		0.938982707		19		0.903593625		662	<	5	<	0.4		14.25		1.95		0.748		18.16		0.0059		0.0013	
Geometric Mean (Conc.):				>	29																															
Max Avg Weekly (Load):			45.76						8648		12972				16164				242185	<	1909		158		4684		1990		599		6498		2		0.4	
Avg Monthly (Load):			39.06						4188		6283				7076				211004	<	1652	<	138		4434		611		232		5642		2		0.4	
Total Monthly (Load):			1171.88						125652		188478				212277				6330133	<	49567	<	4137		133017		18324		6971		169246		51		11	
Daily Minimum (Load):			31.68						822		1233				2272				159224	<	1321	<	12		4020		121		58		4988		2		0.4	
Daily Maximum (Load):			73.08						35350		53025				49917				320525	<	3047		243		4684		1990		599		6498		2		0.4	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 7/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 6 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due **180 days** prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		TSS		BOD5		CBOD5									
		Stage	1		RI		RI		RI									
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q
	Sat	6/1/19	38.22		100				152									
1	Sun	6/2/19	40.35		113		86		71									
	Mon	6/3/19	36.80		223				246									
	Tue	6/4/19	36.83		223		241		145									
	Wed	6/5/19	38.30		293				291									
	Thu	6/6/19	38.29		380				420									
	Fri	6/7/19	36.11		361				309									
	Sat	6/8/19	35.01		149				175									
2	Sun	6/9/19	34.41		117		113		117									
	Mon	6/10/19	40.50		264				201									
	Tue	6/11/19	37.76		80		131		81									
	Wed	6/12/19	35.02		150				213									
	Thu	6/13/19	58.83		232				209									
	Fri	6/14/19	50.41		148				141									
	Sat	6/15/19	44.49		140				100									
3	Sun	6/16/19	42.61		80		99		64									
	Mon	6/17/19	39.37		303				239									
	Tue	6/18/19	39.83		333		445		368									
	Wed	6/19/19	40.17		250				281									
	Thu	6/20/19	78.25		292				187									
	Fri	6/21/19	55.40		164				185									
	Sat	6/22/19	44.47		128				110									
4	Sun	6/23/19	43.29		127		91		107									
	Mon	6/24/19	42.02		129				203									
	Tue	6/25/19	40.03		153		195		125									
	Wed	6/26/19	39.85		317				306									
	Thu	6/27/19	38.54		395				285									
	Fri	6/28/19	38.43		345				287									
	Sat	6/29/19	38.23		170				152									
5	Sun	6/30/19	36.34		86				79									

Statistics for DMR																	
Daily Minimum (Conc.):			80.19385593		86.04213135		64										
Daily Maximum (Conc):			394.9527763		445		419.9851136										
Max Avg Weekly (Conc.):			248.8826083		272		236.7082489										
Avg Monthly (Conc.):			208.1682546		175.0682771		194.9551671										
Geometric Mean (Conc.):																	
Max Avg Weekly (Load):	48.59		90896		91501		80796										
Avg Monthly (Load):	41.94		73171		57183		67549										
Total Monthly (Load):	1258.16		2195116		1715490		2026478										
Daily Minimum (Load):	34.41		25255		28955		22744										
Daily Maximum (Load):	78.25		190415		147821		134117										

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis

Title: Dir. Of Operations and Maintenace

License No.: **T0403**

Date: **7/28/2019**

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **June** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	Yes	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	Yes	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **7/15/2019**

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

August 26, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for July, 2019.

All parameters were in compliance during the month. Parameter averages for July, 2019 were: Flow – 37.95 MGD; $cBOD_5$ – 8 mg/L; TSS – 14 mg/L; $cBOD_{20}$ % removal – 95.08%; and $cBOD_{20}$ – 4,039 lbs/day.

Should any further information be required concerning this report, please contact me at (610) 876-5523, ext. 256.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, August 26, 2019 9:21 AM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 07/01/2019-07/31/2019
Report Due Date: 08/28/2019

Submitted By: Michael DiSantis
Submission Id: 163460
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's **GreenPort** and select the link for View/Revise Submitted.

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	07	01	TO	2019	07	31

Reporting Frequency: Monthly
DMR Effective From: 07/01/2019
DMR Effective To: 07/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.68	***	7.13	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4614	6218	lbs/day	***	14.0	17.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1582	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	8.24	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	<.546	<2	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<.97	<2	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	10.63	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0180	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0011	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0004	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0061	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0020	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0260	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0020	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	37.95	54.76	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.85	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	650	891	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	18	547.5	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	2693	4006	lbs/day	***	8.0	11.0	mg/L	1/day	Calculation
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	4039	***	lbs/day	***	***	***	***	1/day	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	07	01	TO	2019	07	31

Reporting Frequency: Monthly
DMR Effective From: 07/01/2019
DMR Effective To: 07/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80082)	Sample Measurement	***	***	***	95.08	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	07	01	TO	2019	07	31

Reporting Frequency: Monthly
DMR Effective From: 07/01/2019
DMR Effective To: 07/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	85061	***	lbs/day	***	257	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	84097	***	lbs/day	***	240	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	67576	***	lbs/day	***	194	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter July 2019.doc	Cover Letter	2019-08-23T10:51 53-04 00	
DMR Cover Letter July 2019.doc	Cover Letter	2019-08-26T08:19:37-04:00	
Daily Effluent Monitoring Form-07-2019.xlsx	Daily Effluent Monitoring Form	2019-08-15T08 19 51-04:00	
Daily Influent Monitoring Form-07-2019.xlsx	Daily Effluent Monitoring Form	2019-08-15T08 20:21-04:00	
DMR Laboratory Accreditation-WRTP-07-2019.doc	Laboratory Accreditation Form	2019-08-15T08:53:31-04:00	
DMR Laboratory Accreditation-MJR-07-2019.doc	Laboratory Accreditation Form	2019-08-15T08:53.09-04:00	
DMR Laboratory Accreditation-ALS-07-2019.doc	Laboratory Accreditation Form	2019-08-15T08 52:45-04:00	
Hauled In Municipal Waste_07-2019.xls	Hauled-In Municipal Waste Form	2019-08-15T08:26 06-04 00	
Hauled In Residual Wastes_07-2019.xlsx	Hauled-In Residual Waste Form	2019-08-15T08:25:34-04 00	
Influent and Process Control_07 2019.xls	Influent and Process Control Form	2019-08-15T08 50.27-04 00	
Sewage Sludge Biosolids Production and Disposal Form_07.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-08-15T08:55.07-04 00	
July 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-08-15T08 56 13-04:00	
Inf-PRF July 2019 Calculations.xlsx	Other	2019-08-15T08 58 37-04 00	Inf-PRF July 2019 Calculations
Trucked Waste_07.2019.xlsx	Other	2019-08-15T08:55 58-04:00	Trucked Waste_07.2019
WRTP_Sludge_07.2019.pdf	Laboratory Analytical Report	2019-08-15T08.55:36-04:00	
WRTP_Process_7.2019.pdf	Laboratory Analytical Report	2019-08-15T08:51:21-04:00	
WRTP_Influent_07.2019.pdf	Laboratory Analytical Report	2019-08-15T08 24:10-04.00	
WRTP_Effluent_07.2019.pdf	Laboratory Analytical Report	2019-08-15T08 23.38-04 00	
EFF_7-6-19.PDF	Laboratory Analytical Report	2019-08-15T08:22:36-04 00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
95720	Sample type not in accordance with permit	Final Effluent (001)	Carbonaceous Biochemical Oxygen Demand (CBOD5)	Calculation	24-Hr Composite	DRBC docket was changed to calculation based on cBOD5

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
disantism			(610)	876-5523	2019	8	26
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	07	01	TO	19	07	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523

Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis

Date: 08/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	07	01	TO	19	07	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 08/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	07	01	TO	19	07	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer Phone: 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 08/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester County: Delaware
Watershed: 3-G

Month: June Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
TOTAL:				TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: July 28, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: July Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	34.81	485	140,661	274	79,539	4540	1.29	656000.00		
2	38.38			324	103,832	4920	1.02	652000.00		
3	44.14	258	94,955	315	115,850	3540	1.00	908000.00		
4	42.15			125	43,941	3390	1.40	642000.00		
5	29.71			181	44,896	3480	1.23	592000.00		
6	35.83			553	165,249	3895	0.91	458000.00		
7	35.43			148	43,732	3485	1.98	630000.00		
8	35.43	205	60,656	103	30,416	3665	1.20	647000.00		
9	34.16			137	39,099	3960	0.94	640000.00		
10	37.28	155	48,339	130	40,378	3480	0.87	766000.00		
11	53.85			357	160,396	4080	0.69	432000.00		
12	56.11			238	111,374	4215	0.94	657000.00		
13	47.86			167	66,658	3800	2.45	636000.00		
14	45.23	101	38,099	135	50,924	3590	2.91	629000.00		
15	41.93			183	63,829	3780	3.06	677000.00		
16	38.79	220	71,321	307	99,317	4270	3.14	725000.00		
17	42.57			312	110,771	3945	2.91	720000.00		
18	45.97			334	128,052	3465	2.76	712000.00		
19	39.50			332	109,371	4400	2.47	722000.00		
20	37.00			178	54,927	4475	2.13	716000.00		
21	37.54			167	52,285	4445	2.44	710000.00		
22	41.56	312	108,142	298	103,290	4315	2.16	690000.00		
23	57.20			277	132,142	4055	2.30	601000.00		
24	55.17	191	87,882	202	92,944	3900	2.27	653000.00		
25	47.10			123	48,324	3820	2.44	631000.00		
26	47.10			307	120,594	3875	2.21	617000.00		
27	40.04			187	62,531	4255	2.36	621000.00		
28	37.79	129	40,657	175	55,155	4660	2.37	598000.00		
29	37.88			190	59,962	5110	2.03	672000.00		
30	37.67	509	159,892	341	106,978	4865	2.01	685000.00		
31	38.74			341	110,255	5230	1.60	685000.00		
Avg	41.739	257	85,061	240	84,097	4,094	2	657,419		
Max	57.2	509	159,892	553	165,249	5,230	3	908,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 8/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: July Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	51980			Headworks	110056			Sludge Thickening	112500			Headworks	274,536	0
2	42850			Headworks	114305			Sludge Thickening	96900			Headworks	254,055	0
3	42729			Headworks	122151			Sludge Thickening	69700			Headworks	234,580	0
4				Headworks				Sludge Thickening				Headworks		
5	68050			Headworks	131000			Sludge Thickening	137596			Headworks	336,646	0
6	10300			Headworks				Sludge Thickening	15500			Headworks	25,800	0
7				Headworks				Sludge Thickening				Headworks		
8	53200			Headworks	115860			Sludge Thickening	112150			Headworks	281,210	0
9	40550			Headworks	142260			Sludge Thickening	71050			Headworks	253,860	0
10	51057			Headworks	94960			Sludge Thickening	102900			Headworks	248,917	0
11	51039			Headworks	155440			Sludge Thickening	73300			Headworks	279,779	0
12	47750			Headworks	71500			Sludge Thickening	84600			Headworks	203,850	0
13	28231			Headworks	6500			Sludge Thickening	24021			Headworks	58,752	0
14				Headworks				Sludge Thickening				Headworks		
15	52350			Headworks	91706			Sludge Thickening	80100			Headworks	224,156	0
16	73524			Headworks	150426			Sludge Thickening	104200			Headworks	328,150	0
17	54713			Headworks	124114			Sludge Thickening	101985			Headworks	280,812	0
18	73850			Headworks	159963			Sludge Thickening	80500			Headworks	314,313	0
19	38083			Headworks	77800			Sludge Thickening	108300			Headworks	224,183	0
20	28211			Headworks				Sludge Thickening	68700			Headworks	96,911	0
21				Headworks				Sludge Thickening				Headworks		
22	56000			Headworks	83765			Sludge Thickening	70493			Headworks	210,258	0
23	51150			Headworks	116327			Sludge Thickening	90030			Headworks	257,507	0
24	81650			Headworks	110300			Sludge Thickening	93350			Headworks	285,300	0
25	89070			Headworks	125000			Sludge Thickening	77390			Headworks	291,460	0
26	42927			Headworks	71704			Sludge Thickening	63500			Headworks	178,131	0
27	20128			Headworks				Sludge Thickening	86900			Headworks	107,028	0
28				Headworks				Sludge Thickening				Headworks		
29	56800			Headworks	93738			Sludge Thickening	103950			Headworks	254,488	0
30	47400			Headworks	106745			Sludge Thickening	80800			Headworks	234,945	0
31	72300			Headworks	112343			Sludge Thickening	94253			Headworks	278,896	0
Avg	50,996				107,665				84,795			Monthly Totals:	6,018,523	

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Prepared By: Michael J. DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 8/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: July
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 8/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 7 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS
		Stage	1		1		1		1		1		K		1		K
Week	Day	Date	MGO	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%
1	Sun	6/30/19	32.86						3						9.2		
	Mon	7/1/19	30.70		4.1		7.03		6		9		98.35%		12.8		95.33%
	Tue	7/2/19	32.90		16.1		7.13		6		9		97.01%		10.9		96.64%
	Wed	7/3/19	41.50		41.4		6.99		13		20		93.92%		17.8		94.34%
	Thu	7/4/19	38.46		22.8		6.89		4		6		94.74%		8.6		93.12%
	Fri	7/5/19	27.63		5.2		6.77		6		9		95.00%		11.3		93.76%
	Sat	7/6/19	31.58		7.5		7.05		8		12		97.07%		16.2		97.07%
2	Sun	7/7/19	34.10		25.6		6.84		5		8		90.57%		12.3		91.69%
	Mon	7/8/19	31.62		11.0		6.68		6		9		96.02%		12.4		87.95%
	Tue	7/9/19	29.43		6.3		6.89		7		11		94.09%		10.8		92.13%
	Wed	7/10/19	33.10		14.5		6.88		4		6		96.22%		8.8		93.22%
	Thu	7/11/19	45.65		5.2		6.88		24		36		91.30%		23.9		93.31%
	Fri	7/12/19	54.76		235.9		6.70		23		35		80.00%		39.7		83.32%
	Sat	7/13/19	44.08		16.1		6.87		7		11		96.46%		12.1		92.75%
3	Sun	7/14/19	41.39		8.6		6.80		4		6		95.45%		8.4		93.78%
	Mon	7/15/19	37.88		3.1		6.81		6		9		97.78%		11.3		93.81%
	Tue	7/16/19	34.57		14.5		6.88		7		11		94.61%		9.9		96.78%
	Wed	7/17/19	38.53		25.9		6.91		12		18		89.34%		11.9		96.19%
	Thu	7/18/19	42.52		23.1		6.97		9		14		95.87%		27.0		91.92%
	Fri	7/19/19	38.43		32.7		6.81		8		12		97.54%		14.4		95.66%
	Sat	7/20/19	33.64		7.5		7.12		7		11		96.96%		11.3		93.65%
4	Sun	7/21/19	33.27		4.1		6.87		4		6		96.04%		6.8		95.93%
	Mon	7/22/19	36.74		13.4		6.89		5		8		97.69%		11.0		96.31%
	Tue	7/23/19	49.09		344.8		6.80		9		14		95.85%		15.0		94.58%
	Wed	7/24/19	54.09		63.1		6.89		13		20		90.71%		20.8		89.70%
	Thu	7/25/19	44.29		29.2		6.87		6		9		97.35%		14.4		88.29%
	Fri	7/26/19	44.25		547.5		6.86		7		11		97.32%		15.9		94.82%
	Sat	7/27/19	37.05		14.5		6.86		5		8		96.61%		11.0		94.13%
5	Sun	7/28/19	33.97		6.3		6.88		6		9		94.50%		9.1		94.80%
	Mon	7/29/19	33.74		17.5		6.79		8		12		96.67%		11.8		93.78%
	Tue	7/30/19	33.12		12.2		6.91		9		14		97.89%		11.5		96.62%
	Wed	7/31/19	34.24		55.4		6.90		4		6		98.67%		8.8		97.42%
	Thu	8/1/19	32.68						4						7.9		
	Fri	8/2/19	35.14						5						10.5		
	Sat	8/3/19	34.48						4						8.9		
Statistics for Stage																	
Daily Minimum (Conc.):					3.1		6.68		4		6		0.8		6.8		0.833193277
Daily Maximum (Conc):					547.5		7.13		24		36		0.986671071		39.7		0.974212561
Max Avg Weekly (Conc.):									11		16.3		0.969314524		17		0.956567356
Avg Monthly (Conc.):									8		12		0.950835173		14		0.936392358
Geometric Mean (Conc.):					18												
Max Avg Weekly (Load):			42.68						4006		6009				6218		
Avg Monthly (Load):			37.95						2693		4039				4814		
Total Monthly (Load):			1176.32						83481		125221				143048		
Daily Minimum (Load):			27.63						1104		1656				1887		
Daily Maximum (Load):			54.76						10504		15756				18131		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 8/28/2019

Average Weekly Statistics																	
Week 1 (Conc):									7		10.8		0.960158663		12.4		0.950442935
Week 2 (Conc):									11		16.3		0.92093638		17.1		0.906255956
Week 3 (Conc):									8		11.4		0.953638262		13.5		0.945397944
Week 4 (Conc):									7		10.5		0.959379686		13.6		0.933951252
Week 5 (Conc):									6		10.1		0.969314524		9.8		0.956567356
Week 1 (Load):	33.66								1897		3114				3511		
Week 2 (Load):	38.96								4006		6009				6218		
Week 3 (Load):	38.14								2410		3615				4358		
Week 4 (Load):	42.68								2648		3972				5052		
Week 5 (Load):	33.91								1612		2842				2768		

TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
1		1		1		1		1		1		1		1		1	
Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L
	689	<	5		0.40		12.40	<	2.00		0.280		15.90				
	820	<	5		0.35												
		<	5		0.45												
	544	<	5		0.35												
		<	5		0.45												
		<	5		0.32												
	507	<	5		0.32												
	621	<	5		0.54												
	823	<	5		0.50		7.50		0.55	<	2.000		11.30		0.0061	<	0.0020
	661	<	5		0.39												
	710	<	5		0.48												
		<	5		0.32												
		<	5		0.85												
	497	<	5		0.50												
	623	<	5		0.50		7.29		0.93		0.152		12.23				
	725	<	5		0.42												
	891	<	5		0.49												
	684	<	5		0.52												
		<	5		0.43												
		<	5		0.68												
	618	<	5		0.55												
	603	<	5		0.53		8.39		1.06		0.223		6.42				
	569	<	5		0.76												
	489	<	5		0.75												
	551	<	5		0.53												
		<	5		0.55												
		<	5		0.40												
	560	<	5		0.49												
	632	<	5		0.52												
	638	<	5		0.60		5.64		0.33		0.075		7.29				
	649	<	5		0.27												
	489	<	5		0.27		5.64		0.33		0.075		6.42		0.0061	<	0.002
	891	<	5		0.85		12.4	<	2	<	2		15.9		0.0061	<	0.002
	704	<	5		1		12.4	<	2	<	2		15.9		0.0061	<	0.002
	650	<	5		0.5		8.24	<	0.97	<	0.546		10.63		0.0061	<	0.002
	221256	<	1780		214		3175	<	512	<	491		4071		1	<	0.5
	200523	<	1582		168		2289	<	271	<	140		2938		1	<	0.5
	6216198	<	49053		4906		70974	<	8412	<	4338		91072		46	<	15
	144188	<	1152		77		1558		91		21		1967		1	<	0.5
	286314	<	2283		338		3175	<	612	<	491		4071		1	<	0.5

	684	<	5		0.39		12.4	<	2		0.28		15.9				
	704	<	5		0.49		7.5		0.55	<	2		11.3		0.0061	<	0.002
	684	<	5		0.51		7.29		0.93		0.152		12.23				
	566	<	5		0.58		8.39		1.06		0.223		6.42				
	620	<	5		0.47		5.64		0.33		0.075		7.29				
	191966	<	1409		109		3175	<	512		72		4071				
	203590	<	1625		158		1841		135	<	491		2774		1	<	0.5
	221256	<	1590		160		2303		294		48		3864				
	202664	<	1780		214		2571		325		68		1967				
	174513	<	1408		132		1558		91		21		2014				

Total Zinc		Dichlorobromomethane		Dibromochloromethane		Total Cyanide		Total Cadmium									
1				1		1		1									
Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q	
	0.0280		0.0020		0.0011		0.0180	<	0.0004								
	0.028		0.002		0.0011		0.018	<	0.0004								
	0.028		0.002		0.0011		0.018	<	0.0004								
	0.028		0.002		0.0011		0.018	<	0.0004								
	0.028		0.002		0.0011		0.018	<	0.0004								
	7		0.5		0.3		4	<	0.1								
	7		0.5		0.3		4	<	0.1								
	213		15		8		137	<	3								
	7		0.5		0.3		4	<	0.1								
	7		0.5		0.3		4	<	0.1								

	0.028		0.002		0.0011		0.016	<	0.0004								
	7		0.5		0.3		4	<	0.1								

Q		Q		Q		Q	

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name*	DELCORA STP			Month	7 (select number)
Municipality*	City of Chester	County*	Delaware	Permit No.*	PA0027103
Watershed	3-G			Year*	2019
Laboratories	DELCORA; ALS Environmental			Outfall	001

Renewal application due 180 days prior to expiration.
This permit will expire on. April 30, 2018

Week	Day	Date	Flow 1 MGD	Q	TSS RI mg/l	Q	BOD5 RI mg/l	Q	CBOD5 RI mg/l
1	Sun	[illegible]							
	Mon	[illegible]	34.67		214		[illegible]		[illegible]
	Tue	[illegible]	38.38		304				[illegible]
	Wed	[illegible]	44.14		305		250		214
	Thu	[illegible]	47.15		[illegible]				76
	Fri	[illegible]	[illegible]		[illegible]				120
	Sat	[illegible]	[illegible]		[illegible]				273
2	Sun	[illegible]	[illegible]		149				[illegible]
	Mon	[illegible]	32.43		400		209		[illegible]
	Tue	[illegible]	34.16		[illegible]				118
	Wed	[illegible]	[illegible]		130		155		106
	Thu	[illegible]	[illegible]		357				316
	Fri	[illegible]	[illegible]		238				115
	Sat	[illegible]	45.85		157				[illegible]
3	Sun	[illegible]	48.82		[illegible]		101		88
	Mon	[illegible]	[illegible]		[illegible]				210
	Tue	[illegible]	[illegible]		[illegible]		220		[illegible]
	Wed	[illegible]	[illegible]		[illegible]				[illegible]
	Thu	[illegible]	[illegible]		[illegible]				218
	Fri	[illegible]	39.50		[illegible]				[illegible]
	Sat	[illegible]	37.30		[illegible]				[illegible]
4	Sun	[illegible]	[illegible]		[illegible]				[illegible]
	Mon	[illegible]	[illegible]		[illegible]		312		[illegible]
	Tue	[illegible]	[illegible]		[illegible]				[illegible]
	Wed	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]
	Thu	[illegible]	[illegible]		120				[illegible]
	Fri	[illegible]	[illegible]		[illegible]				291
	Sat	[illegible]	[illegible]		[illegible]				148
5	Sun	[illegible]	[illegible]		175		120		109
	Mon	[illegible]	[illegible]		[illegible]				240
	Tue	[illegible]	[illegible]		340		[illegible]		[illegible]
	Wed	[illegible]	[illegible]		340				200
	Thu	[illegible]							
	Fri	[illegible]							
	Sat	[illegible]							
Values for DMR									
Daily Minimum (Conc.)					[illegible]		101		[illegible]
Daily Maximum (Conc.)			—		505		[illegible]		[illegible]
Max Avg Weekly (Conc.)					[illegible]		[illegible]		[illegible]
Avg Monthly (Conc.)					[illegible]		[illegible]		[illegible]
Geometric Mean (Conc.)									
Max Avg Weekly (Load)			46.53		92218		[illegible]		[illegible]
Avg Monthly (Load)			41.74		[illegible]		[illegible]		[illegible]
Total Monthly (Load)			1293.92		2607011		[illegible]		[illegible]
Daily Minimum (Load)			29.71		30416		[illegible]		[illegible]
Daily Maximum (Load)			[illegible]		[illegible]		[illegible]		[illegible]

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification)

Prepared By: Micheal DiSantis
Title*: Dir. Of Operations and Maintenace
License No: T0403
Date: 8/28/2019

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **July** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	Yes	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	Yes	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **8/15/2019**

Bonnett, Barbara

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, September 26, 2019 11:12 AM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 08/01/2019-08/31/2[redacted]
Report Due Date: 09/28/2019

Submitted By: Michael DiSantis
Submission Id: 167888
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

September 26, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for August, 2019.

We regret to report that there was one violation for exceeding the fecal coliform instantaneous limit on 8/14. All other parameters were in compliance during the month. Parameter averages for August, 2019 were: Flow – 33.72 MGD; $cBOD_5$ – <6 mg/L; TSS – 14 mg/L; $cBOD_{20}$ % removal – 96.94%; and $cBOD_{20}$ – 2,781 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 256.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PERMIT NUMBER: PA0027103
OUTFALL NUMBER: 001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	08	01	TO	2019	08	31

Reporting Frequency: Monthly
DMR Effective From: 08/01/2019
DMR Effective To: 08/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.53	***	7.05	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3052	4709	lbs/day	***	10.0	14.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1406	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	6.27	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.292	.479	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.5	3.96	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	9.3	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.019	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.001	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0084	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.029	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0024	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	33.72	46.44	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.86	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	674	737	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	>21	>2419.6	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	<1854	<2521	lbs/day	***	<6.0	<7.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	2781	***	lbs/day	***	***	***	***	1/day	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	08	01	TO	2019	08	31

Reporting Frequency: Monthly
DMR Effective From: 08/01/2019
DMR Effective To: 08/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80082)	Sample Measurement	***	***	***	96.94	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	08	01	TO	2019	08	31

Reporting Frequency: Monthly
DMR Effective From: 08/01/2019
DMR Effective To: 08/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	73333	***	lbs/day	***	240	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	80253	***	lbs/day	***	258	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	72582	***	lbs/day	***	236	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter August 2019.doc	Cover Letter	2019-09-26T11:09:28-04:00	
Daily Influent Monitoring Form-08-2019 xlsx	Daily Effluent Monitoring Form	2019-09-26T08 21:56-04.00	
Daily Effluent Monitoring Form-08-2019 xlsx	Daily Effluent Monitoring Form	2019-09-26T08 21:33-04 00	
DMR Laboratory Accreditation-WRTP-08-2019.doc	Laboratory Accreditation Form	2019-09-26T08:29 35-04 00	
DMR Laboratory Accreditation-MJR-08-2019 doc	Laboratory Accreditation Form	2019-09-26T08 29 15-04 00	
DMR Laboratory Accreditation-ALS-08-2019.doc	Laboratory Accreditation Form	2019-09-26T08 28.55-04:00	
Hauled In Municipal Waste_08-2019.xls	Hauled-In Municipal Waste Form	2019-09-26T08 25:20-04:00	
Hauled In Residual Wastes_08-2019.xlsx	Hauled-In Residual Waste Form	2019-09-26T08 25:45-04:00	
Influent and Process Control_08.2019 xls	Influent and Process Control Form	2019-09-26T08 26:33-04.00	
Sewage Sludge Biosolids Production and Disposal Form_08.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-09-26T08:30:10-04:00	
August 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-09-26T08.33:05-04 00	
Trucked Waste_08.2019.xlsx	Other	2019-09-26T08 33 42-04 00	Trucked Waste_08.2019
Inf-PRF August 2019 Calculations.xlsx	Other	2019-09-26T08:22 36-04 00	Inf-PRF August 2019 Calculations
EFF_8-7-19.PDF	Laboratory Analytical Report	2019-09-26T08 23 13-04 00	
WRTP_Effluent_08.2019.pdf	Laboratory Analytical Report	2019-09-26T08 23.55-04 00	
WRTP_Influent_08.2019.pdf	Laboratory Analytical Report	2019-09-26T08 24:17-04.00	
WRTP_Sludge_08.2019.pdf	Laboratory Analytical Report	2019-09-26T08.32:24-04:00	
WRTP_Process_08.2019.pdf	Laboratory Analytical Report	2019-09-26T08.28 20-04 00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
97733	08/01/2019	08/31/2019	Fecal Coliform	Instantaneous Maximum	>2419.6	1000	No./100 ml	Final Effluent (001)	Operator error	Operator training	Operator failed to maintain the effluent TRC per the SOP resulting in the fecal coliform exceedance on 8/14/19.

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
97734	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER		Michael Disantis	TELEPHONE		DATE		
			(610)	876-5523	2019	9	26
disantism	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523

Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis

Date: 09/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer — Phone: 610.876.5523 — Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis — Date: 09/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 09/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester   County: Delaware
Watershed: 3-G

Month: August   Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recyc	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis   License No.: T0403
Title: Dir. Of Operations and Maintenance   Date: September 28, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: August Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	35.79			360	107,367	4520.00	2.15	673000.00		
2	38.71			321	103,685	4990.00	1.00	694000.00		
3	37.55			202	63,366	4835.00	0.89	717000.00		
4	35.23	112	32,861	157	46,007	5405.00	1.08	709000.00		
5	35.15			224	65,602	5140.00	0.88	718000.00		
6	36.53			336	102,296	4985.00	0.72	643000.00		
7	49.59			365	151,050	4855.00	0.68	710000.00		
8	45.56			300	114,057	4240.00	0.73	682000.00		
9	41.08			278	95,245	5060.00	0.70	735000.00		
10	39.53			175	57,752	4910.00	0.68	794000.00		
11	34.81			163	47,321	5210.00	0.86	763000.00		
12	36.98	222	68,463	184	56,629	4275.00	0.82	805000.00		
13	37.43			272	84,759	3955.00	0.98	812000.00		
14	40.62	254	86,163	274	92,866	3910.00	0.88	806000.00		
15	40.66			411	139,334	3735.00	1.02	765000.00		
16	38.85			291	94,212	3675.00	1.01	644000.00		
17	34.48			233	67,002	3545.00	1.22	552000.00		
18	33.51			190	53,100	3265.00	1.26	491000.00		
19	36.51	445	135,486	340	103,584	3020.00	0.75	447000.00		
20	36.07			294	88,573	3705.00	0.87	494000.00		
21	36.41	259	78,559	239	72,662	3605.00	0.79	476000.00		
22	36.12			429	129,258	3495.00	0.88	404000.00		
23	37.95			211	66,651	3440.00	0.93	447000.00		
24	34.15			144	41,110	4070.00	1.17	439000.00		
25	33.87	112	31,751	147	41,565	4140.00	1.22	482000.00		
26	34.42			167	47,890	3550.00	0.94	509000.00		
27	34.39	279	80,051	230	65,945	4060.00	1.09	299000.00		
28	34.24			245	69,836	3995.00	0.89	495000.00		
29	33.08			340	93,688	4350.00	0.89	517000.00		
30	32.94			333	91,471	4565.00	0.84	517000.00		
31	31.06			131	33,951	4345.00	0.98	511000.00		
Avg	36.88	240	73,333	258	80,253	4,221	1	604,839		
Max	49.59	445	135,486	429	151,050	5,405	2	812,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 9/28/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: August
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE Gallons	SEPTAGE BOD_5 (mg/l)	SEPTAGE BOD_5 (lbs)	SEPTAGE Disposal Location	SLUDGE Gallons	SLUDGE BOD_5 (mg/l)	SLUDGE BOD_5 (lbs)	SLUDGE Disposal Location	OTHER (specify): Package Plant Sludge Gallons	OTHER BOD_5 (mg/l)	OTHER BOD_5 (lbs)	OTHER Disposal Location	DAILY TOTALS Gallons	DAILY TOTALS BOD_5 (lbs)
1	133494			Headworks	164207			Sludge Thickening	93128			Headworks	390,829	0
2	167665			Headworks	54257			Sludge Thickening	100300			Headworks	322,222	0
3	66087			Headworks				Sludge Thickening	30500			Headworks	96,587	0
4				Headworks				Sludge Thickening				Headworks		
5	160695			Headworks	109230			Sludge Thickening	75200			Headworks	345,125	0
6	145100			Headworks	136120			Sludge Thickening	170000			Headworks	451,220	0
7	140900			Headworks	98470			Sludge Thickening	135500			Headworks	374,870	0
8	130607			Headworks	161280			Sludge Thickening	148528			Headworks	440,415	0
9	202984			Headworks	108460			Sludge Thickening	96950			Headworks	408,394	0
10	68337			Headworks				Sludge Thickening				Headworks	68,337	0
11				Headworks				Sludge Thickening				Headworks		
12	149200			Headworks	121636			Sludge Thickening	81325			Headworks	352,161	0
13	155800			Headworks	109510			Sludge Thickening	103500			Headworks	368,810	0
14	154300			Headworks	91540			Sludge Thickening	150900			Headworks	396,740	0
15	148123			Headworks	140840			Sludge Thickening	144218			Headworks	433,181	0
16	146515			Headworks	108748			Sludge Thickening	102000			Headworks	357,263	0
17	74549			Headworks				Sludge Thickening				Headworks	74,549	0
18				Headworks				Sludge Thickening				Headworks		
19	187724			Headworks	91936			Sludge Thickening	71900			Headworks	351,560	0
20	150700			Headworks	97720			Sludge Thickening	58350			Headworks	306,770	0
21	129450			Headworks	89843			Sludge Thickening	142341			Headworks	361,634	0
22	139350			Headworks	131544			Sludge Thickening	179767			Headworks	450,661	0
23	137969			Headworks	85847			Sludge Thickening	122900			Headworks	346,716	0
24	49476			Headworks				Sludge Thickening				Headworks	49,476	0
25				Headworks				Sludge Thickening				Headworks		
26	152674			Headworks	86000			Sludge Thickening	71973			Headworks	310,647	0
27	168507			Headworks	31600			Sludge Thickening	104700			Headworks	304,807	0
28	130792			Headworks	126600			Sludge Thickening	57900			Headworks	315,292	0
29	155173			Headworks	150400			Sludge Thickening	155856			Headworks	461,429	0
30	157648			Headworks	76122			Sludge Thickening	119540			Headworks	353,310	0
31	52743			Headworks				Sludge Thickening				Headworks	52,743	0
Avg	135,428				107,814				109,447			Monthly Totals:	8,545,748	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace
License No.: T0403
Date: 9/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: August
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace
License No.: T0403
Date: 9/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA: ALS Environmental

Month: 8 (select number) Year: 2019
Permit No. PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper	
Stage			1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Thu	8/1/19	32.88		8.6		6.88		4		6		98.83%		7.9		97.80%		677	<	5.0		0.52											
	Fri	8/2/19	35.14		21.3		6.88		5		8		97.59%		10.5		96.73%			<	5.0		0.54											
	Sat	8/3/19	34.48		29.5		6.87		4		6		98.08%		8.9		95.60%			<	5.0		0.56											
1	Sun	8/4/19	32.58		6.3		6.85	<	2		3		97.53%		6.1		96.10%		566	<	5.0		0.76											
	Mon	8/5/19	32.04		8.6		6.79		5		8		98.21%		10.4		95.35%		633	<	5.0		0.21		2.22		3.55		0.244		6.38			
	Tue	8/6/19	32.56		22.6		6.96		6		9		98.38%		10.4		96.90%		680	<	5.0		0.73											
	Wed	8/7/19	46.44		51.2		6.90		14		21		94.40%		24.7		93.24%		700	<	5.0		0.86										0.0084	<
	Thu	8/8/19	44.52		135.4		6.86		15		23		91.62%		25.2		91.60%		518	<	5.0		0.60											
	Fri	8/9/19	38.89		25.3		6.82		5		8		98.07%		11.6		95.63%			<	5.0		0.43											
	Sat	8/10/19	36.43		14.4		6.98		5		8		97.97%		9.9		94.35%			<	5.0		0.44											
2	Sun	8/11/19	32.04		13.4		6.84		7		11		95.17%		6.5		96.01%		543	<	5.0		0.26											
	Mon	8/12/19	32.69		9.8		6.69		7		11		96.86%		16.3		91.12%		597	<	5.0		0.20		8.68		3.29		0.479		11.35			
	Tue	8/13/19	33.81		18.9		7.05		6		9		97.85%		12.0		95.58%		698	<	5.0		0.34											
	Wed	8/14/19	37.23	>	2419.6		6.93		13		20		93.74%		14.5		94.71%		798	<	5.0		0.18											
	Thu	8/15/19	37.91		8.6		6.98		7		11		97.01%		10.8		97.37%		671	<	5.0		0.70											
	Fri	8/16/19	34.55		26.2		6.99		7		11		97.45%		7.5		97.42%			<	5.0		0.27											
	Sat	8/17/19	30.87		12.0		7.00		4		6		94.63%		5.9		97.47%			<	5.0		0.33											
3	Sun	8/18/19	30.77		1.0		6.74		3		5		96.67%		6.7		96.47%		608	<	5.0		0.35											
	Mon	8/19/19	32.46		648.8		6.53		11		17		97.32%		15.0		95.59%		756	<	5.0		0.34		7.89		3.96		0.270		10.85			
	Tue	8/20/19	32.89		18.0		6.89		8		12		95.27%		8.3		97.18%		833	<	5.0		0.48											
	Wed	8/21/19	33.76		15.8		6.99		6		9		97.26%		9.0		96.24%		801	<	5.0		0.51											
	Thu	8/22/19	33.12		16.0		6.94		5		8		98.53%		7.6		98.23%		668	<	5.0		0.65											
	Fri	8/23/19	34.87		20.1		6.97		5		8		97.78%		8.7		95.87%			<	5.0		0.28											
	Sat	8/24/19	29.57		8.6		6.88		4		6		97.28%		7.2		95.01%			<	5.0		0.66											
4	Sun	8/25/19	31.13		14.5		6.74		3		5		95.95%		6.1		95.85%		572	<	5.0		0.58											
	Mon	8/26/19	31.26		4.1		6.73		5		8		97.91%		7.7		95.38%		650	<	5.0		0.39		6.28		3.20		0.176		8.62			
	Tue	8/27/19	30.83		39.9		6.92		4		6		96.16%		6.7		97.09%		713	<	5.0		0.64											
	Wed	8/28/19	31.22		20.1		6.84		9		14		96.89%		10.9		95.54%		745	<	5.0		0.32											
	Thu	8/29/19	30.31		25.6		6.98		6		9		98.96%		10.0		97.06%		707	<	5.0		0.41											
	Fri	8/30/19	30.00		55.4		6.93		7		11		97.84%		11.7		96.49%			<	5.0		0.43											
	Sat	8/31/19	27.80		13.5		7.01		5		8		95.94%		9.0		93.13%			<	5.0		0.45											
5																																		
Statistics for Week																																		
Daily Minimum (Conc):					1		6.53	<	2		3		0.916263379		5.9		0.911226999		519	<	5		0.18		2.22		3.2		0.176		6.38		0.0084	<
Daily Maximum (Conc):				>	2419.6		7.06		15		22.5		0.983637306		25.2		0.982287903		833	<	5		0.86		8.68		3.96		0.479		11.35		0.0084	<
Max Avg Weekly (Conc.):								<	7		11.1		0.973796318		14		0.963704977		737	<	5		1		8.68		3.96		0.479		11.35		0.0084	<
Avg Monthly (Conc.):								<	6		9.5		0.969406149		10		0.957527452		674	<	5		0.5		6.27		3.5		0.292		9.3		0.0084	<
Geometric Mean (Conc.):				>	21																													
Max Avg Weekly (Load):	37.65							<	2521		3782				4709				200975	<	1570		184		2366		1073		131		3094		3	<
Avg Monthly (Load):	33.72							<	1854		2781				3052				190559	<	1406		133		1684		938		79		2496		3	<
Total Monthly (Load):	1045.18							<	57465		86200				94620				5907322	<	43584		4109		52190		29082		2440		77389		101	<
Daily Minimum (Load):	27.8							<	544		815				1524				145097	<	1159		55		593		834		46		1705		3	<
Daily Maximum (Load):	46.44								5569		8354				9567				271117	<	1937		333		2366		1073		131		3094		3	<

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 9/28/2019

Average Weekly Statistics																																		
Week 1 (Conc):								<	7		11.1		0.969973603		14		0.947682135		620	<	5		0.58		2.22		3.55		0.244		6.38		0.0084	<
Week 2 (Conc):									7		10.9		0.981011673		10.5		0.956694096		661	<	5		0.33		8.68		3.29		0.479		11.35			
Week 3 (Conc):									6		9		0.971559335		8.9		0.963704977		737	<	5		0.47		7.89		3.96		0.27		10.85			
Week 4 (Conc):									6		8.4		0.973796318		8.9		0.957917776		677	<	5		0.46		6.28		3.2		0.176		8.62			
Week 5 (Conc):																																		
Week 1 (Load):	37.65							<	2521		3782				4709				194632	<	1570		184		593		949		65		1705		3	<
Week 2 (Load):	34.19								2111		3166				3025				193038	<	1426		94		2366		897		131		3094			
Week 3 (Load):	32.49								1636		2455				2428				200975	<	1355		125		2137		1073		73		2939			
Week 4 (Load):	30.36								1412		2117				2242				174796	<	1266		117		1637		834		46		2247			
Week 5 (Load):																																		

Total Lead		Total Zinc		Dichlorobromomethane		Dibromochloromethane		Total Cyanide		Total Cadmium																	
1		1				1		1		1																	
mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.4		11		0.9		0.4		7	<	0.08																	
0.4		11		0.9		0.4		7	<	0.08																	
12		348		29		12		228	<	2																	
0.4		11		0.9		0.4		7	<	0.08																	
0.4		11		0.9		0.4		7	<	0.08																	
0.001		0.029		0.0024		0.001		0.019	<	0.0002																	
0.4		11		0.9		0.4		7	<	0.08																	

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 8 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		TSS		BOD5		CBOD5																					
Stage			1		RI		RI		RI																					
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q	
	Thu	8/1/19	35.79		360				343																					
	Fri	8/2/19	38.71		321				207																					
	Sat	8/3/19	37.55		202				208																					
1	Sun	8/4/19	35.23		157		112		81																					
	Mon	8/5/19	35.15		224				279																					
	Tue	8/6/19	36.53		336				371																					
	Wed	8/7/19	49.59		365				250																					
	Thu	8/8/19	45.56		300				179																					
	Fri	8/9/19	41.08		278				259																					
	Sat	8/10/19	39.53		175				246																					
2	Sun	8/11/19	34.81		163				145																					
	Mon	8/12/19	36.98		184		222		223																					
	Tue	8/13/19	37.43		272				279																					
	Wed	8/14/19	40.62		274		254		208																					
	Thu	8/15/19	40.66		411				234																					
	Fri	8/16/19	38.85		291				274																					
	Sat	8/17/19	34.48		233				75																					
3	Sun	8/18/19	33.51		190				90																					
	Mon	8/19/19	36.51		340		445		410																					
	Tue	8/20/19	36.07		294				169																					
	Wed	8/21/19	36.41		239		259		219																					
	Thu	8/22/19	36.12		429				339																					
	Fri	8/23/19	37.95		211				225																					
	Sat	8/24/19	34.15		144				147																					
4	Sun	8/25/19	33.87		147		112		74																					
	Mon	8/26/19	34.42		167				239																					
	Tue	8/27/19	34.39		230		279		217																					
	Wed	8/28/19	34.24		245				289																					
	Thu	8/29/19	33.08		340				579																					
	Fri	8/30/19	32.94		333				324																					
	Sat	8/31/19	31.06		131				123																					
5																														
Statistics for DMRs																														
Daily Minimum (Conc.):					131.0[illegible]232		111.8413284		74.13965161																					
Daily Maximum (Conc):					429.0852713		444.9542591		579																					
Max Avg Weekly (Conc.):					263.988671		351.8308785		263.7358611																					
Avg Monthly (Conc.):					257.5751911		240.4765367		235.6759891																					
Geometric Mean (Conc.):																														
Max Avg Weekly (Load):			40.38		90287		107022		79990																					
Avg Monthly (Load):			36.88		80253		73333		72582																					
Total Monthly (Load):			1143.27		2487838		2273334		2250047																					
Daily Minimum (Load):			31.06		33951		31751		20943																					
Daily Maximum (Load):			49.59		151050		135486		159739																					

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 9/28/2019

Average Weekly Statistics																														
Week 1 (Conc):					262.1023492		111.8413284		237.8863093																					
Week 2 (Conc):					260.9883485		238.1623439		205.2918729																					
Week 3 (Conc):					263.988671		351.8308785		228.4079867																					
Week 4 (Conc):					227.4385454		195.7539919		263.7358611																					
Week 5 (Conc):																														
Week 1 (Load):			40.38		90287		32861		79990																					
Week 2 (Load):			37.69		83161		77313		65405																					
Week 3 (Load):			35.82		79277		107022		68928																					
Week 4 (Load):			33.43		63478		55901		73601																					
Week 5 (Load):																														

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: Delaware County Regional Water Quality Control Authority
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: August Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	Yes	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	Yes	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Of Operations and Maintenance

License No.: T0403
Date: 9/17/2019

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, October 25, 2019 1:19 PM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 09/01/2019-09/30/2019
Report Due Date: 10/28/2019

Submitted By: Michael DiSantis
Submission Id: 172657
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

October 25, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for September, 2019.

All parameters were in compliance during the month. Parameter averages for September, 2019 were: Flow – 28.66 MGD; $cBOD_5$ – <6 mg/L; TSS – 11 mg/L; $cBOD_{20}$ % removal – 97.67%; and $cBOD_{20}$ – <2,071 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 256.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

ADMINISTRATION
☐610-876-5523
☐FAX: 610-876-2728

CUSTOMER SERVICE/BILLING
☐610-876-5526
☐FAX: 610-876-1460

PURCHASING & STORES
☐610-876-5523
☐FAX: 610-497-7959

PLANT & MAINTENANCE
☐610-876-5523
☐FAX: 610-497-7950

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	09	01	TO	2019	09	30

Reporting Frequency: Monthly
DMR Effective From: 09/01/2019
DMR Effective To: 09/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.31	***	7.02	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2616	3194	lbs/day	***	11.0	13.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	18500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1195	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	6.51	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	1.435	4.955	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	5.21	9.42	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	9.62	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.03	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0012	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0028	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.029	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0021	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	28.66	35.18	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.89	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	735	959	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	16	51.3	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	<1381	1729	lbs/day	***	<6.0	7.0	mg/L	1/day	Calculation
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous 20 day, 20 C (80087)	Sample Measurement	<2071	***	lbs/day	***	***	***	***	1/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	09	01	TO	2019	09	30

Reporting Frequency: Monthly
DMR Effective From: 09/01/2019
DMR Effective To: 09/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	***	***	***	97.67	***	***	%	1/day	24 Hr Composite
	Permit Requirement	***	***		85.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME:	DELCORA
ADDRESS:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY:	DELCORA STP
LOCATION:	3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE:	Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	09	01	TO	2019	09	30

Reporting Frequency:	Monthly
DMR Effective From:	09/01/2019
DMR Effective To:	09/30/2019
Permit Expires:	04/30/2018
Permit Application Due:	11/01/2017
No Discharge:	☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	64084	***	lbs/day	***	237.73	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	69781	***	lbs/day	***	260.97	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	73180	***	lbs/day	***	271.86	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter September 2019.doc	Cover Letter	2019-10-25T13 17.14-04 00	
Daily Influent Monitoring Form-09-2019.xlsx	Daily Effluent Monitoring Form	2019-10-23T14 22 41-04 00	
Daily Effluent Monitoring Form-09-2019.xlsx	Daily Effluent Monitoring Form	2019-10-25T07 33:01-04:00	
DMR Laboratory Accreditation-MJR-09-2019.doc	Laboratory Accreditation Form	2019-10-23T14 25 50-04.00	
DMR Laboratory Accreditation-WRTP-09-2019.doc	Laboratory Accreditation Form	2019-10-23T14 26:12-04.00	
DMR Laboratory Accreditation-ALS-09-2019.doc	Laboratory Accreditation Form	2019-10-23T14 25 24-04 00	
Hauled In Municipal Waste_09-2019.xls	Hauled-In Municipal Waste Form	2019-10-23T14 23 53-04 00	
Hauled In Residual Wastes_09-2019.xlsx	Hauled-In Residual Waste Form	2019-10-25T07 35 52-04 00	
Influent and Process Control_09 2019.xls	Influent and Process Control Form	2019-10-23T14 24 31-04 00	
Sewage Sludge Biosolids Production and Disposal Form_08.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-10-23T14:25 48-04 00	
Sludge Hauled 2019 xls xlsx (1) (002).xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-10-23T14 27 36-04 00	
September 2019 SWMM ReporLxlsx	CSO Detailed Outfall Report Form	2019-10-23T14 29.14-04.00	
Trucked Waste Sept 2019.xlsx	Other	2019-10-23T14:30 43-04 00	Trucked Waste Sept 2019
Inf-PRF September 2019 Calculations xlsx	Other	2019-10-23T14 23 24-04 00	Inf-PRF September 2019 Calculations
WRTP_Sludge_ 09 2019 pdf	Laboratory Analytical Report	2019-10-23T14 28 11-04 00	
WRTP_Process _09.2019 pdf	Laboratory Analytical Report	2019-10-23T14:24 57-04 00	
EFF_9-5-19 PDF	Laboratory Analytical Report	2019-10-23T14 19 36-04 00	
WRTP_Influent_09 2019 pdf	Laboratory Analytical Report	2019-10-23T14 20.50-04 00	
WRTP__Effluent_09 2019 pdf	Laboratory Analytical Report	2019-10-23T14 20 24-04-00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
99429	Sample type not in accordance with permit	Final Effluent (001)	Carbonaceous Biochemical Oxygen Demand (CBOD5)	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
disantism			(610)	876-5523	2019	10	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 09/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 09/28/2019

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	08	01	TO	19	08	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 09/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester   County: Delaware
Watershed: 3-G

Month: September   Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
	TOTAL:			TOTAL:			TOTAL:		

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis   License No.: T0403
Title: Dir. Of Operations and Maintenance   Date: October 22, 2019

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: September Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	30.85	184	47,341	121	31,215	4345.00	1.15	510000.00		
2	36.21			76	22,903	4105.00	1.12	506000.00		
3	33.39	282	78,483	257	71,674	3485.00	0.94	468000.00		
4	37.60			181	56,602	3570.00	0.79	468000.00		
5	34.80			226	65,552	3780.00	0.85	465000.00		
6	33.59			285	79,775	4340.00	0.72	460000.00		
7	31.49			301	79,171	4950.00	1.05	470000.00		
8	31.92	155	41,263	100	26,643	4750.00	1.21	514000.00		
9	33.89			284	80,286	4095.00	0.97	513000.00		
10	34.33	398	114,052	241	69,054	4085.00	0.85	510000.00		
11	34.55			230	66,206	4395.00	0.86	513000.00		
12	34.26			351	100,376	4730.00	0.77	505000.00		
13	32.72			361	98,439	5545.00	0.89	512000.00		
14	32.63			267	72,584	4505.00	0.99	518000.00		
15	34.33	155	44,378	200	57,262	4260.00	1.23	533000.00		
16	34.49			190	54,744	4385.00	0.92	530000.00		
17	33.20	213	59,085	210	58,167	4980.00	1.05	488000.00		
18	35.02			351	102,513	4420.00	0.96	494000.00		
19	33.49			394	109,984	4560.00	1.00	464000.00		
20	31.97			339	90,469	4870.00	1.56	501000.00		
21	31.25			240	62,617	4800.00	1.39	538000.00		
22	31.76	159	42,096	243	64,339	4535.00	1.75	591000.00		
23	29.44			285	69,946	4400.00	1.27	570000.00		
24	30.71	424	108,615	542	138,818	4130.00	2.08	579000.00		
25	28.44			216	51,227	4485.00	2.27	569000.00		
26	27.66			216	49,818	4440.00	2.54	484000.00		
27	27.33			582	132,657	4565.00	2.00	503000.00		
28	27.18			215	48,703	4815.00	2.01	533000.00		
29	29.40	169	41,438	195	47,813	3960.00	2.24	555000.00		
30	31.24			130	33,870	4025.00	2.34	532000.00		
31										
Avg	32.305	238	64,084	261	69,781	4,410	1	513,200		
Max	37.6	424	114,052	582	138,818	5,545	3	591,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 10/22/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: September Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1				Headworks				Sludge Thickening				Headworks		
2				Headworks				Sludge Thickening				Headworks		
3	146964			Headworks	114842			Sludge Thickening	143400			Headworks	405,206	0
4	134100			Headworks	110475			Sludge Thickening	110367			Headworks	354,942	0
5	172200			Headworks	131178			Sludge Thickening	81204			Headworks	384,582	0
6	155500			Headworks	74870			Sludge Thickening	87100			Headworks	317,470	0
7	47100			Headworks				Sludge Thickening				Headworks	47,100	0
8				Headworks				Sludge Thickening				Headworks		
9	135850			Headworks	63633			Sludge Thickening	116500			Headworks	315,983	0
10	131662			Headworks	98600			Sludge Thickening	70200			Headworks	300,462	0
11	159475			Headworks	70900			Sludge Thickening	97520			Headworks	327,895	0
12	134600			Headworks	131100			Sludge Thickening	172102			Headworks	437,802	0
13	151271			Headworks	71100			Sludge Thickening	74100			Headworks	296,471	0
14	72400			Headworks	6500			Sludge Thickening				Headworks	78,900	0
15				Headworks				Sludge Thickening				Headworks		
16	154662			Headworks	82100			Sludge Thickening	94900			Headworks	331,662	0
17	173925			Headworks	93344			Sludge Thickening	113300			Headworks	380,569	0
18	154624			Headworks	61954			Sludge Thickening	122800			Headworks	339,378	0
19	134150			Headworks	119675			Sludge Thickening	172300			Headworks	426,125	0
20	123680			Headworks	75827			Sludge Thickening	159800			Headworks	359,307	0
21	53750			Headworks				Sludge Thickening	4500			Headworks	58,250	0
22				Headworks				Sludge Thickening				Headworks		
23	149350			Headworks	95067			Sludge Thickening	79000			Headworks	323,417	0
24	140483			Headworks	99570			Sludge Thickening	113350			Headworks	353,403	0
25	97376			Headworks	108019			Sludge Thickening	98875			Headworks	304,270	0
26	154340			Headworks	75053			Sludge Thickening	89600			Headworks	318,993	0
27	148480			Headworks	81800			Sludge Thickening	93424			Headworks	323,704	0
28	37628			Headworks				Sludge Thickening	17200			Headworks	54,828	0
29				Headworks				Sludge Thickening				Headworks		
30	188770			Headworks	117362			Sludge Thickening	55800			Headworks	361,932	0
31				Headworks				Sludge Thickening				Headworks		
Avg	130,126				88,990				99,509			Monthly Totals:	7,202,651	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 10/22/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: September
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis
				Generator	Address	State		Yes/No
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 10/28/2019

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester   County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 9 (select number)   Year: 2019
Permit No.: PA0027103   Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow (1) MGD	Fecal Coliform (I) CFU/100 ml	pH (1) SU	CBOD5 (I) mg/L	CBOD20 (I) mg/L	CBOD20 (K) %	TSS (I) mg/L	TSS (K) %	TDS (1) mg/L	Oil and Grease (1) mg/L	TRC (1) mg/L
1	Sun	[illegible]	[illegible]	18.1	6.92	4	6	97.47%	9	92.33%		< 5.0	0.34
	Mon	[illegible]	[illegible]	13.2	6.45	6	8	96.91%	9.6	87.34%	608	< 5.0	0.55
	Tue	[illegible]	16.74	13.5	6.63	6	9	97.74%	10.2	95.04%	564	< 5.0	0.36
	Wed	[illegible]	[illegible]	14.8	6.80	9	14	96.18%	11.5	93.63%	687	< 5.0	0.33
	Thu	[illegible]	[illegible]	29.5	7.02	7	11	97.39%	10.3	96.44%	701	< 5.0	0.43
	Fri	[illegible]	[illegible]	16.1	6.90	10	15	97.15%	12.1	95.75%		< 5.0	0.36
	Sat	[illegible]	[illegible]	21.3	6.97	5	8	97.94%	9.8	96.75%		< 5.0	0.44
2	Sun	[illegible]	[illegible]	9.7	6.68	3	6	97.33%	8.1	91.91%	681	< 5.0	0.40
	Mon	[illegible]	[illegible]	6.3	6.65	5	8	98.44%	10.0	96.44%	659	< 5.0	0.45
	Tue	[illegible]	[illegible]	61.3	6.63	11	17	96.81%	12.3	94.90%	808	< 5.0	0.89
	Wed	[illegible]	[illegible]	7.5	6.68	7	11	93.21%	11.9	94.62%	805	< 5.0	0.72
	Thu	[illegible]	[illegible]	60.9	6.96	7	11	97.62%	13.8	96.13%	731	< 5.0	0.33
	Fri	[illegible]	[illegible]	32.3	6.87	7	11	93.47%	21.0	94.11%		< 5.0	0.25
	Sat	[illegible]	[illegible]	5.2	6.87	8	12	97.69%	13.8	[illegible]		< 5.0	0.71
3	Sun	[illegible]	[illegible]	35.9	6.96	< 2	< 3	95.16%	11.1	[illegible]	563	< 5.0	0.58
	Mon	[illegible]	[illegible]	10.7	6.66	6	9	97.73%	11.0	94.22%	569	< 5.0	0.61
	Tue	[illegible]	[illegible]	5.2	6.94	4	6	96.94%	9.6	95.43%	634	< 5.0	0.42
	Wed	[illegible]	21.22	10.9	6.66	6	9	98.33%	11.0	96.87%	871	< 5.0	0.41
	Thu	[illegible]	20.41	52.8	6.95	6	9	98.37%	12.6	[illegible]	842	< 5.0	0.41
	Fri	[illegible]	[illegible]	21.3	6.60	6	9	98.54%	11.6	[illegible]		< 5.0	0.53
	Sat	[illegible]	[illegible]	18.9	6.66	4	6	98.31%	10.3	[illegible]		< 5.0	0.28
4	Sun	[illegible]	27.67	27.2	6.67	4	6	96.62%	11.4	95.31%	681	< 5.0	0.18
	Mon	[illegible]	[illegible]	5.0	6.66	6	9	97.73%	12.4	95.85%	673	< 5.0	0.33
	Tue	[illegible]	[illegible]	56.3	6.79	4	8	98.94%	9.6	96.25%	718	< 5.0	0.58
	Wed	[illegible]	[illegible]	8.4	6.91	6	8	96.28%	9.9	95.42%	664	< 5.0	0.78
	Thu	[illegible]	[illegible]	23.8	6.63	4	6	96.22%	8.1	96.25%	959	< 5.0	0.51
	Fri	[illegible]	23.01	46.4	6.63	6	9	99.11%	9.2	94.42%		< 5.0	0.52
	Sat	9/28/19	23.75	3.1	6.95	7	11	97.72%	7.8	96.46%		< 5.0	0.57
5	Sun	9/29/19	[illegible]	14.6	6.69	< 3	< 6	97.60%	7.9	95.95%		< 5.0	0.57
	Mon	9/30/19	27.59	6.3	6.31	4	6	98.20%	9.2	92.92%		< 5.0	0.37
	Daily Minimum (Conc.)			3.1	6.31	< 2	< [illegible]	[illegible]	7.8	[illegible]	563	< 5	0.18
	Daily Maximum (Conc.)			61.3	7.02	11	[illegible]	[illegible]	21	0.98419244	959	< 5	0.89
	Max Avg Weekly (Conc.)					7	[illegible]	[illegible]	13	0.965334995	775	< 5	1
	Avg Monthly (Conc.)					< 6	< 9.6	0.928733125	11	0.951734385	735	< 5	0.6
	Geometric Mean (Conc.)			19									
	Max Avg Weekly (Load)		31.15			1729	[illegible]		3134		196353	< 1299	133
	Avg Monthly (Load)		28.66			< 1381	< 2071		2618		179553	< 1196	112
	Total Monthly (Load)		859.83			< 41420	< 62142		78487		5386602	< 35859	3358
	Daily Minimum (Load)		23.51			< 804	< 758		1505		140152	< 990	42
	Daily Maximum (Load)		35.18			2904	4205		5058		277878	< 1467	227

Week	Day	Date	NH3-N (1) mg/L	NO3-N (1) mg/L	NO2-N (1) mg/L	TKN (1) mg/L	Total Copper (1) mg/L	Total Lead (1) mg/L	Total Zinc (1) mg/L	Dichlorobromomethane mg/L	Dibromochloromethane (1) mg/L	Total Cyanide (1) mg/L	Total Cadmium (1) mg/L
1	Sun	[illegible]											
	Mon	[illegible]	2.04	9.42	0.230	3.94							
	Tue	[illegible]											
	Wed	[illegible]											
	Thu	[illegible]					0.0028	0.001	0.0090	0.0021	0.0012	0.0300	< 0.0002
	Fri	[illegible]											
	Sat	[illegible]											
2	Sun	[illegible]											
	Mon	[illegible]	3.69	3.77	0.236	5.63							
	Tue	[illegible]											
	Wed	[illegible]											
	Thu	[illegible]											
	Fri	[illegible]											
	Sat	[illegible]											
3	Sun	[illegible]											
	Mon	[illegible]											
	Tue	[illegible]	11.40	< 2.00	0.320	15.70							
	Wed	[illegible]											
	Thu	[illegible]											
	Fri	[illegible]											
	Sat	[illegible]											
4	Sun	[illegible]											
	Mon	[illegible]	8.90	2.44	4.955	12.95							
	Tue	[illegible]											
	Wed	[illegible]											
	Thu	[illegible]											
	Fri	[illegible]											
	Sat	9/28/19											
5	Sun	9/29/19											
	Mon	9/30/19											
	Daily Minimum (Conc.)		2.04	2.44	0.23	3.94	[illegible]	0.001	0.029	0.0021	0.0012	0.03	< [illegible]
	Daily Maximum (Conc.)		11.4	9.42	4.955	15.7	0.0028	0.001	0.029	0.0021	0.0012	0.03	< 0.0002
	Max Avg Weekly (Conc.)		11.4	9.42	4.955	15.7	0.0028	0.001	0.029	0.0021	0.0012	0.03	< 0.0002
	Avg Monthly (Conc.)		6.61	6.21	1.435	8.82	0.0028	0.001	0.029	0.0021	0.0012	0.03	< 0.0002
	Geometric Mean (Conc.)												
	Max Avg Weekly (Load)		2808	### #VALUE!	1032	3667	0.9	0.3	8	0.6	0.3	8	< 0.05
	Avg Monthly (Load)		1832	#VALUE!	308	2274	0.9	0.3	8	0.8	0.3	8	< 0.05
	Total Monthly (Load)		43987	#VALUE!	9243	68231	23	8	234	17	10	243	< 2
	Daily Minimum (Load)		870	### #VALUE!	57	3100	0.8	0.3	8	0.6	0.3	8	< 0.05
	Daily Maximum (Load)		2808	### #VALUE!	1032	3667	0.9	0.3	8	0.6	0.3	8	< 0.05

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Prepared By: Micheal DiSantis   License No.: T0403
Title: Dir. Of Operations and Maintenace   Date: 9/28/2019

Average Weekly Statistics	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD20 %	TSS	TSS %	TDS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead	Total Zinc	Dichlorobromomethane	Dibromochloromethane	Total Cyanide	Total Cadmium
Week 1 (Conc)				7	9.9	0.9725091	10.4	0.935973347	640	< 5	0.4	2.04	9.42	0.23	3.94	0.0028	0.001	0.029	0.0021	0.0012	0.03	< 0.0002
Week 2 (Conc)				7	10.3	0.978040614	13	0.947456454	737	< 5	0.54	3.69	3.77	0.236	5.63							
Week 3 (Conc)				< 5	< 7.3	0.950584172	11	0.957229548	768	< 5	0.45	11.4		0.32	15.7							
Week 4 (Conc)				5	7.7	0.97515713	9.7	0.965334995	775	< 5	0.5	8.9	2.44	4.955	12.96							
Week 5 (Conc)																						
Week 1 (Load)	31.15			1729	2593		2710		175298	< 1299	106	570	2630	64	1100	0.8	0.3	8	0.6	0.3	8	< 0.05
Week 2 (Load)	29.54			1701	2552		3134		183506	< 1232	133	[illegible]	918	57	1434							
Week 3 (Load)	29.69			< 1207	< 1810		2724		196353	< 1238	111	2508	#VALUE!	79	3667							
Week 4 (Load)	24.84			1059	1586		2029		152450	< 1036	101	1653	508	1032	2697							
Week 5 (Load)																						

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 9 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

		Parameter	Flow		TSS		BOD5		CBOD5									
		Stage	1		RI		RI		RI									
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		
1	Sun	9/1/19	30.85		121		184		158									
	Mon	9/2/19	36.21		76				162									
	Tue	9/3/19	33.39		257		282		265									
	Wed	9/4/19	37.60		181				234									
	Thu	9/5/19	34.80		226				268									
	Fri	9/6/19	33.59		285				351									
	Sat	9/7/19	31.49		301				243									
2	Sun	9/8/19	31.92		100		155		115									
	Mon	9/9/19	33.89		284				321									
	Tue	9/10/19	34.33		241		398		345									
	Wed	9/11/19	34.55		230				391									
	Thu	9/12/19	34.26		351				294									
	Fri	9/13/19	32.72		361				457									
	Sat	9/14/19	32.63		267				346									
3	Sun	9/15/19	34.33		200		155		110									
	Mon	9/16/19	34.49		190				264									
	Tue	9/17/19	33.20		210		213		131									
	Wed	9/18/19	35.02		351				359									
	Thu	9/19/19	33.49		394				368									
	Fri	9/20/19	31.97		339				411									
	Sat	9/21/19	31.25		240				237									
4	Sun	9/22/19	31.76		243		159		118									
	Mon	9/23/19	29.44		285				264									
	Tue	9/24/19	30.71		542		424		377									
	Wed	9/25/19	28.44		216				135									
	Thu	9/26/19	27.66		216				106									
	Fri	9/27/19	27.33		582				672									
	Sat	9/28/19	27.18		215				307									
5	Sun	9/29/19	29.40		195		169		125									
	Mon	9/30/19	31.24		130				222									
Statistics for DMR																		
Daily Minimum (Conc.):					75.83954709		155		105.7078814									
Daily Maximum (Conc):					582		424.0778248		672									
Max Avg Weekly (Conc.):					328.3658825		291.5017588		324.1299092									
Avg Monthly (Conc.):					260.9750997		237.7307667		271.863172									
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):			33.99		79358		77658		90804									
Avg Monthly (Load):			32.3		69781		64084		73180									
Total Monthly (Load):			969.14		2093427		1922508		2195410									
Daily Minimum (Load):			27.18		22903		41263		24385									
Daily Maximum (Load):			37.6		138818		114052		153170									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 10/22/2019

Average Weekly Statistics																		
Week 1 (Conc):					206.7331321		232.91764		240.1898269									
Week 2 (Conc):					261.9774278		276.6747742		324.1299092									
Week 3 (Conc):					274.960065		184.1942771		268.6577046									
Week 4 (Conc):					328.3658825		291.5017588		282.6241909									
Week 5 (Conc):																		
Week 1 (Load):			33.99		58127		62912		68111									
Week 2 (Load):			33.47		73370		77658		90804									
Week 3 (Load):			33.39		76537		51732		74696									
Week 4 (Load):			28.93		79358		75356		67389									
Week 5 (Load):																		

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: Delaware County Regional Water Quality Control Authority
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: September Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Of Operations and Maintenance

License No.: T0403
Date: 10/15/2019

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

November 25, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for October, 2019.

All parameters were in compliance during the month. Parameter averages for October, 2019 were: Flow – 31.27 MGD; $cBOD_5$ – <6 mg/L; TSS – 12 mg/L; $cBOD_{20}$ % removal – 96.73%; and $cBOD_{20}$ – 2,596 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 264.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, November 28, 2019 8:05 AM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 10/01/2019-10/31/2019
Report Due Date: 11/28/2019

Submitted By: Michael DiSantis
Submission Id: 178473
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.41	***	6.99	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3241	4900	lbs/day	***	12.0	15.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1585	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.15	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.43	.76	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<5.12	8.39	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.45	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0150	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0010	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0045	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0190	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0017	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	31.27	26.67	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.95	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	708	839	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report | Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	25	180 4	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 80%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBODS) (80082)	Sample Measurement	<1731	2684	lbs/day	***	<6.0	9.0	mg/L	1/day	Calculation
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	18.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	<2596	***	lbs/day	***	***	***	***	1/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous 20 day, 20 C (80087)	Sample Measurement	***	***	***	96.73	***	***	%	1/week	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2019
DMR Effective To: 10/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	75201	***	lbs/day	***	270.75	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	67548	***	lbs/day	***	310.46	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	77453	***	lbs/day	***	279.26	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
WRTP_Effluent_10.2019.pdf	Laboratory Analytical Report	2019-11-26T11:28:36-05:00	
October 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-11-25T12:10:30-05:00	
Trucked Waste_10.2019.xlsx	Other	2019-11-25T12:11:01-05:00	Trucked 2019 Waste Form
WRTP_Sludge_10.2019.pdf	Laboratory Analytical Report	2019-11-25T12:09:23-05:00	
DMR Laboratory Accreditation-WRTP-10-2019.doc	Laboratory Accreditation Form	2019-11-26T11:31:04-05:00	
Daily Effluent Monitoring Form-10-2019.xlsx	Daily Effluent Monitoring Form	2019-11-26T11:14:45-05:00	
Daily Influent Monitoring Form-10-2019.xlsx	Daily Effluent Monitoring Form	2019-11-26T11:15:14-05:00	
Influent and Process Control_10.2019.xls	Influent and Process Control Form	2019-11-26T11:23:20-05:00	
WRTP_Influent_10.2019.pdf	Laboratory Analytical Report	2019-11-25T11:59:53-05:00	
Hauled In Municipal Waste_10-2019.xls	Hauled-In Municipal Waste Form	2019-11-25T12:04:05-05:00	
DMR Laboratory Accreditation-MJR-10-2019.doc	Laboratory Accreditation Form	2019-11-25T12:07:30-05:00	
Inf-PRF October 2019 Calculations.xlsx	Other	2019-11-26T11:16:48-05:00	Inf-PRF October 2019 Calculations.xlsx
Hauled In Residual Wastes_10-2019.xlsx	Hauled-In Residual Waste Form	2019-11-25T12:04:44-05:00	
WRTP_Process_10.2019.pdf	Laboratory Analytical Report	2019-11-25T12:05:58-05:00	
EFF_10-3-19.PDF	Laboratory Analytical Report	2019-11-26T11:14:14-05:00	
DMR Laboratory Accreditation-ALS-10-2019.doc	Laboratory Accreditation Form	2019-11-25T12:06:57-05:00	
Sewage Sludge Biosolids Production and Disposal Form_10.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-11-25T12:08:26-05:00	
DMR Cover Letter October 2019.doc	Cover Letter	2019-11-26T08:04:16-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
101945	Sample type not in accordance with permit	Final Effluent (001)	Carbonaceous Biochemical Oxygen Demand (CBOD5)	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER			TELEPHONE		DATE		
disantism	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	(610)	876-5523	2019	11	28
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	10	01	TO	19	10	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 11/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	10	01	TO	19	10	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 11/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	10	01	TO	19	10	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 11/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester County: Delaware
Watershed: 3-G

Month: October Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: November 22, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: October Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	30.25	195	49,189	319	80,435	3660.00	2.30	572000.00		
2	33.26	148	41,061	235	65,237	2130.00	1.51	565000.00		
3	33.83	560	158,118	644	181,746	4000.00	1.75	562000.00		
4	33.08	464	128,068	434	119,598	3475.00	1.48	558000.00		
5	29.97	91	22,655	273	68,236	4380.00	2.52	549000.00		
6	30.49	101	25,603	202	51,244	3955.00	2.85	568000.00		
7	31.49	478	125,610	464	121,905	3955.00	1.95	570000.00		
8	30.85	347	89,352	381	97,952	3770.00	2.50	574000.00		
9	31.02	554	143,324	193	49,905	3405.00	2.34	552000.00		
10	31.08	255	66,098	343	88,908	3705.00	2.45	513000.00		
11	31.98	414	110,419	353	94,150	3635.00	1.94	513000.00		
12	31.49	320	84,041	218	57,253	4095.00	2.38	516000.00		
13	30.05	136	34,084	196	49,121	3915.00	2.82	517000.00		
14	30.86	451	116,075	368	94,713	3355.00	2.21	501000.00		
15	29.79	280	69,566	436	108,324	3540.00	2.44	375000.00		
16	39.35	355	116,504	468	153,588	3930.00	2.08	467000.00		
17	34.02	304	86,204	542	153,786	3910.00	3.12	464000.00		
18	29.33	556	136,086	375	91,743	4750.00	2.53	475000.00		
19	30.16	144	36,338	116	29,280	4540.00	2.73	469000.00		
20	32.44	124	33,422	184	49,832	4795.00	3.79	477000.00		
21	32.88	381	104,374	353	96,866	4340.00	3.26	468000.00		
22	41.38	237	81,804	258	89,157	5085.00	3.06	463000.00		
23	40.70	100	33,900	288	97,656	4255.00	3.49	466000.00		
24	37.22	133	41,296	154	47,718	5030.00	3.57	490000.00		
25	33.73	378	106,207	301	84,550	5590.00	3.80	532000.00		
26	30.93	161	41,552	165	42,679	6630.00	3.95	626000.00		
27	51.14	72	30,655	172	73,430	5520.00	3.78	718000.00		
28	37.85	180	56,714	305	96,125	5480.00	2.40	721000.00		
29	34.88	326	94,837	371	108,058	5550.00	2.40	648000.00		
30	32.20	237	63,646	300	80,567	5510.00	1.73	742000.00		
31	50.67	176	74,257	214	90,226	5320.00	1.88	743000.00		
Avg	34.141	279	77,453	310	87,548	4,362	3	547,548		
Max	51.14	560	158,118	644	181,746	6,630	4	743,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 11/22/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: October Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	219528			Headworks	88903			Sludge Thickening	130450			Headworks	438,881	0
2	233380			Headworks	107900			Sludge Thickening	112200			Headworks	453,480	0
3	180550			Headworks	94354			Sludge Thickening	170306			Headworks	445,210	0
4	136125			Headworks	74344			Sludge Thickening	161175			Headworks	371,644	0
5	58492			Headworks				Sludge Thickening				Headworks	58,492	0
6				Headworks				Sludge Thickening				Headworks		
7	152350			Headworks	83332			Sludge Thickening	75000			Headworks	310,682	0
8	145950			Headworks	96126			Sludge Thickening	112500			Headworks	354,576	0
9	172734			Headworks	102728			Sludge Thickening	66300			Headworks	341,762	0
10	163750			Headworks	127753			Sludge Thickening	163025			Headworks	454,528	0
11	147300			Headworks	96186			Sludge Thickening	93800			Headworks	337,286	0
12	134600			Headworks	4886			Sludge Thickening				Headworks	139,486	0
13				Headworks				Sludge Thickening				Headworks		
14	153610			Headworks	83137			Sludge Thickening	56400			Headworks	293,147	0
15	174397			Headworks	90508			Sludge Thickening	90200			Headworks	355,105	0
16	150350			Headworks	97900			Sludge Thickening	129900			Headworks	378,150	0
17	137630			Headworks	142310			Sludge Thickening	199426			Headworks	479,366	0
18	164122			Headworks	70660			Sludge Thickening	116261			Headworks	351,043	0
19	35350			Headworks				Sludge Thickening	16600			Headworks	51,950	0
20				Headworks				Sludge Thickening				Headworks		
21	170423			Headworks	97226			Sludge Thickening	95500			Headworks	363,149	0
22	180000			Headworks	91426			Sludge Thickening	138642			Headworks	410,068	0
23	177293			Headworks	90726			Sludge Thickening	91400			Headworks	359,419	0
24	107220			Headworks	139380			Sludge Thickening	174400			Headworks	421,000	0
25	111736			Headworks	76180			Sludge Thickening	111350			Headworks	299,266	0
26	62900			Headworks				Sludge Thickening	4700			Headworks	67,600	0
27				Headworks				Sludge Thickening				Headworks		
28	164437			Headworks	109581			Sludge Thickening	121200			Headworks	395,218	0
29	170750			Headworks	83933			Sludge Thickening	43400			Headworks	298,083	0
30	173300			Headworks	92832			Sludge Thickening	101300			Headworks	367,432	0
31	124560			Headworks	140252			Sludge Thickening	170685			Headworks	435,497	0
Avg	148,253				95,107				109,845			Monthly Totals:	9,031,520	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 11/22/2019

3800-FM-BCW0450 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: October
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 11/28/2019

pennsylvania
Commonwealth of Pennsylvania
INSPECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name
Municipality
Watershed
Laboratories

Month: 10 Year: 2019
Permit No.: PA0027391 Outfall: 001
Received population due 180 days prior to expiration.
This permit will expire on: [illegible]

Date	Flow	pH	CBOD5	CBOD5	CBOD5	TSS	TSS	TSS	Oil and Grease	TRC	NH3-N	NO2-N	NO3-N	TKN	Total Copper	Total Lead	Total Zinc	Total Phenols	Total Cyanide	Total Cadmium
Monthly Avg (Conc)																				
Daily Maximum (Conc)																				
Max Avg Monthly (Conc)																				
Avg Monthly (Conc)																				
Geometric Mean (Conc)																				
Max Avg Monthly (Lbs)																				
Avg Monthly (Lbs)																				
Total Monthly (Lbs)																				
Daily Maximum (Lbs)																				
Daily Minimum (Lbs)																				

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Ref. 18 Pa. C.S. §4904 relating to unsworn falsification)

Prepared By: [illegible]
Title: [illegible]

License No.: 17983
Date: [illegible]

pennsylvania

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Prepared By
Title
Date

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **October** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **11/15/2019**

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, December 20, 2019 2:10 PM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris; Cartafalsa, James
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 11/01/2019-11/30/2019
Report Due Date: 12/28/2019

Submitted By: Michael DiSantis
Submission Id: 181278
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

December 20, 2019

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for November, 2019.

All parameters were in compliance during the month. Parameter averages for November, 2019 were: Flow – 30.15 MGD; $cBOD_5$ – 7 mg/L; TSS – 13 mg/L; $cBOD_{20}$ % removal – 96.67%; and $cBOD_{20}$ – 2,694 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 264.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	11	01	TO	2019	11	30

Reporting Frequency: Monthly
DMR Effective From: 11/01/2019
DMR Effective To: 11/30/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.28	***	6.84	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3201	3916	lbs/day	***	13.0	15.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1257	***	lbs/day	***	<5.0	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.51	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.74	.97	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	4.26	5.22	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.78	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.03	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0011	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0058	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.027	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.002	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	30.15	43.6	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.79	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	749	824	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	<15	260.3	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 90%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBODS) (80082)	Sample Measurement	1796	2036	lbs/day	***	7.0	8.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	2694	***	lbs/day	***	***	***	***	1/day	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME:	DELCORA
ADDRESS:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY:	DELCORA STP
LOCATION:	3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE:	Percent Removal

PERMIT NUMBER	CUTFALL NUMBER
PA0027103	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	11	01	TO	2019	11	30

Reporting Frequency:	Monthly
DMR Effective From:	11/01/2019
DMR Effective To:	11/30/2019
Permit Expires:	04/30/2018
Permit Application Due:	11/01/2017
No Discharge:	☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80082)	Sample Measurement	***	***	***	96.67	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		88.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME:	DELCORA
ADDRESS:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY:	DELCORA STP
LOCATION:	3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE:	Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	11	01	TO	2019	11	30

Reporting Frequency:	Monthly
DMR Effective From:	11/01/2019
DMR Effective To:	11/30/2019
Permit Expires:	04/30/2018
Permit Application Due:	11/01/2017
No Discharge:	☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	66735	***	lbs/day	***	253	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	74765	***	lbs/day	***	277	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	65905	***	lbs/day	***	246	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
DMR Cover Letter November 2019.doc	Cover Letter	2019-12-20T14:08:51-05:00	
Daily Effluent Monitoring Form-11-2019.xlsx	Daily Effluent Monitoring Form	2019-12-20T11:02:09-05:00	
DMR Laboratory Accreditation-ALS-11-2019.doc	Laboratory Accreditation Form	2019-12-20T11:20:09-05:00	
DMR Laboratory Accreditation-WRTP-11-2019.doc	Laboratory Accreditation Form	2019-12-20T11:21:11-05:00	
DMR Laboratory Accreditation-MJR-11-2019.doc	Laboratory Accreditation Form	2019-12-20T11:20:37-05:00	
Hauled In Municipal Waste_11-2019.xls	Hauled-In Municipal Waste Form	2019-12-20T11:03:55-05:00	
Hauled In Residual Wastes _11-2019.xlsx	Hauled-In Residual Waste Form	2019-12-20T11:04:34-05:00	
WRTP_Process_11.2019.pdf	Influent and Process Control Form	2019-12-20T11:19:35-05:00	
Influent and Process Control_11 2019.xls	Influent and Process Control Form	2019-12-20T11:19:07-05:00	
Sewage Sludge Biosolids Production and Disposal Form_11.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-12-20T11:22:00-05:00	
November 2019 SWMM Report.xlsx	Other	2019-12-20T11:25:17-05:00	November 2019 SWMM Report
Sludge Hauled 11-2019.xlsx	Other	2019-12-20T11:23:20-05:00	Sludge Hauled 11 2019
Trucked Waste_11.2019.xlsx	Other	2019-12-20T11:26:20-05:00	Trucked Waste 11 2019
Inf-PRF November 2019 Calculations.xlsx	Other	2019-12-20T11:10:22-05:00	Inf-PRF November 2019 Calculations
WRTP_Effluent_11.2019.pdf	Laboratory Analytical Report	2019-12-20T11:01:13-05:00	
EFF_11-7-19.PDF	Laboratory Analytical Report	2019-12-20T11:00:46-05:00	
WRTP_Influent_11.2019.pdf	Laboratory Analytical Report	2019-12-20T11:01:37-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER			TELEPHONE		DATE		
disantism	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	(610)	876-5523	2019	12	20
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	11	01	TO	19	11	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibly of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer Phone: 610.876.5523

Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis **Date:** 12/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	11	01	TO	19	11	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
0TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

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Name/Title Principal Executive Officer — Phone: 610.876.5523 — Signature of Principal Executive Officer or Authorized Agent

Michael J. DiSantis — Date: 12/28/19

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	11	01	TO	19	11	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 12/28/2019

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: DELCORA STP
Municipality: City Of Chester   County: Delaware
Watershed: 3-G

Month: October   Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis   License No.: T0403
Title: Dir. Of Operations and Maintenance   Date: November 22, 2019

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: November Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	47.01			324	127,029	4105.00	3.52	662000.00		
2	35.11			198	57,978	4310.00	4.41	542000.00		
3	31.90	145	38,577	148	39,375	3990.00	5.16	502000.00		
4	33.02			360	99,139	3295.00	4.47	454000.00		
5	32.99			376	103,451	4125.00	4.10	427000.00		
6	32.92	545	149,631	418	114,763	5295.00	3.99	451000.00		
7	33.30			468	129,974	5635.00	4.13	559000.00		
8	30.81			513	131,818	5500.00	4.12	604000.00		
9	31.55			258	67,887	5380.00	4.28	612000.00		
10	30.46	180	45,727	169	42,932	4985.00	4.80	285000.00		
11	29.41			380	93,206	4865.00	4.04	286000.00		
12	31.56	451	118,708	372	97,914	5110.00	4.08	408000.00		
13	31.10			556	144,212	4905.00	4.01	544000.00		
14	32.23			443	119,078	5815.00	4.19	597000.00		
15	31.08			485	125,715	5265.00	4.15	581000.00		
16	29.71			276	68,388	5020.00	4.19	580000.00		
17	30.09	205	51,445	205	51,445	4965.00	4.71	732000.00		
18	31.91			372	99,000	4210.00	4.40	677000.00		
19	28.63	502	119,865	377	90,018	4245.00	3.93	562000.00		
20	30.73			422	108,154	3910.00	4.19	550000.00		
21	30.56			566	144,257	3560.00	4.29	594000.00		
22	30.16			612	153,939	3860.00	4.14	590000.00		
23	31.31			292	76,249	3705.00	4.24	598000.00		
24	44.96			222	83,243	3165.00	4.31	576000.00		
25	34.20	381	108,672	372	106,105	3385.00	4.20	577000.00		
26	31.88			416	110,606	3500.00	4.10	579000.00		
27	33.26	496	137,585	393	109,014	3665.00	4.22	563000.00		
28	31.22			208	54,158	3480.00	4.52	547000.00		
29	29.77			369	91,616	3130.00	4.30	532000.00		
30	31.58			260	68,478	2915.00	4.24	501000.00		
31										
Avg	32.481	363	96,276	361	96,971	4,310	4	542,400		
Max	47.01	545	149,631	612	153,939	5,815	5	732,000		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 12/22/2019

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: November Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE Gallons	SEPTAGE BOD_5 (mg/l)	SEPTAGE BOD_5 (lbs)	SEPTAGE Disposal Location	SLUDGE Gallons	SLUDGE BOD_5 (mg/l)	SLUDGE BOD_5 (lbs)	SLUDGE Disposal Location	OTHER (specify): Package Plant Sludge Gallons	OTHER BOD_5 (mg/l)	OTHER BOD_5 (lbs)	OTHER Disposal Location	DAILY TOTALS Gallons	DAILY TOTALS BOD_5 (lbs)
1	114004			Headworks	63422			Sludge Thickening	133200			Headworks	310,626	0
2	80050			Headworks				Sludge Thickening	7700			Headworks	87,750	0
3				Headworks				Sludge Thickening				Headworks		
4	123			Headworks	89320			Sludge Thickening	74300			Headworks	163,743	0
5	194600			Headworks	100642			Sludge Thickening	69400			Headworks	364,642	0
6	144450			Headworks	121240			Sludge Thickening	92200			Headworks	357,890	0
7	121155			Headworks	140010			Sludge Thickening	185710			Headworks	446,875	0
8	165350			Headworks	75276			Sludge Thickening	135265			Headworks	375,891	0
9	90367			Headworks	18551			Sludge Thickening	4700			Headworks	113,618	0
10				Headworks				Sludge Thickening				Headworks		
11	147150			Headworks	95266			Sludge Thickening	98100			Headworks	340,516	0
12	162070			Headworks	111468			Sludge Thickening	135400			Headworks	408,938	0
13	216280			Headworks	96700			Sludge Thickening	113100			Headworks	426,080	0
14	141736			Headworks	173878			Sludge Thickening	135800			Headworks	451,414	0
15	182648			Headworks	64488			Sludge Thickening	77100			Headworks	324,236	0
16	96520			Headworks	13000			Sludge Thickening	30600			Headworks	140,120	0
17				Headworks				Sludge Thickening				Headworks		
18	233521			Headworks	123530			Sludge Thickening	138500			Headworks	495,551	0
19	224559			Headworks	129478			Sludge Thickening	105000			Headworks	459,037	0
20	157053			Headworks	123178			Sludge Thickening	86600			Headworks	366,831	0
21	181778			Headworks	166917			Sludge Thickening	143300			Headworks	491,995	0
22	124900			Headworks	124020			Sludge Thickening	103100			Headworks	352,020	0
23	83550			Headworks				Sludge Thickening	9700			Headworks	93,250	0
24				Headworks				Sludge Thickening				Headworks		
25	185000			Headworks	160056			Sludge Thickening	63200			Headworks	408,256	0
26	140950			Headworks	160312			Sludge Thickening	112600			Headworks	413,862	0
27	174601			Headworks	149370			Sludge Thickening	131462			Headworks	455,433	0
28				Headworks				Sludge Thickening				Headworks		
29	167615			Headworks	120230			Sludge Thickening	133700			Headworks	421,545	0
30	39520			Headworks	12000			Sludge Thickening				Headworks	51,520	0
31				Headworks	140252			Sludge Thickening				Headworks	140,252	0
Avg	145,527				98,614				95,868			Monthly Totals:	8,461,891	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 12/22/2019

Daily Totals

11/1/2019 to 11/30/2019

Delivery Date	Description	Gallons
11/1/2019	Domestic Waste	114004
	Food Industrial Wastewaters	165329
	Form Waste (43/U)	63422
	Grease	88575
	Industrial Wastewater	160075
	Landfill Leachate	269630
	Package Plant	131200
	Significant Industrial Discharges	23800
		1016035
11/2/2019	Domestic Waste	80050
	Food Industrial Wastewaters	67874
	Grease	35850
	Industrial Wastewater	6500
	Landfill Leachate	154495
	Package Plant	7700
	Significant Industrial Discharges	15900
		368369
11/4/2019	Domestic Waste	145470
	Food Industrial Wastewaters	252422
	Form Waste (43/U)	89320
	Grease	88020
	Industrial Wastewater	179160
	Landfill Leachate	315561
	Package Plant	70300
	Significant Industrial Discharges	32800
		1173053
11/5/2019	Domestic Waste	194600
	Food Industrial Wastewaters	269200
	Form Waste (43/U)	100642
	Grease	104365
	Industrial Wastewater	155542
	Landfill Leachate	2S3462
	Package Plant	69400
	Significant Industrial Discharges	6000
		1153211
11/6/2019	Domestic Waste	144450
	Food Industrial Wastewaters	235867
	Form Waste (43/U)	121240
	Grease	85905
	Industrial Wastewater	214003
	Landfill Leachate	420604
	Package Plant	89200
	Significant Industrial Discharges	23800
		133S069

Daily Totals

11/1/2019 to 11/30/2019

11/7/2019	Domestic Waste	121155
	Food Industrial Wastewaters	191800
	Form Waste (43/U)	140010
	Grease	95970
	Industrial Wastewater	117404
	Landfill Leachate	381710
	Package Plant	183010
	Significant Industrial Discharges	41300
		1272359
11/8/2019	Domestic Waste	165350
	Food Industrial Wastewaters	253664
	Form Waste (43/U)	75276
	Grease	71250
	Industrial Wastewater	116873
	Landfill Leachate	220816
	Package Plant	132265
	Significant Industrial Discharges	18000
		1053494
11/9/2019	Domestic Waste	90637
	Food Industrial Wastewaters	123816
	Form Waste (43/U)	18551
	Grease	19600
	Industrial Wastewater	6500
	Landfill Leachate	102086
	Package Plant	4700
		365890
11/11/2019	Domestic Waste	147150
	Food Industrial Wastewaters	238706
	Form Waste (43/U)	95266
	Grease	106841
	Industrial Wastewater	106394
	Landfill Leachate	147135
	Package Plant	100600
	Significant Industrial Discharges	28800
		970892
11/12/2019	Domestic Waste	162070
	Food Industrial Wastewaters	275715
	Form Waste (43/U)	111468
	Grease	98175
	Industrial Wastewater	88641
	Landfill Leachate	191372
	Package Plant	133400
	Significant Industrial Discharges	34900
		1095741
11/13/2019	Domestic Waste	216280
	Food Industrial Wastewaters	287745
	Form Waste (43/U)	96700
	Grease	100420

Daily Totals

11/1/2019 to 11/30/2019

	Industrial Wastewater	149545
	Landfill Leachate	141223
	Package Plant	106100
	Significant Industrial Discharges	25000
		1123013
11/14/2019	Domestic Waste	141736
	Food Industrial Wastewaters	246474
	Form Waste (43/U)	173878
	Grease	104435
	Industrial Wastewater	133774
	Landfill Leachate	123643
	Package Plant	132800
	Significant Industrial Discharges	16600
		1073340
11/15/2019	Domestic Waste	182648
	Food Industrial Wastewaters	197876
	Form Waste (43/U)	64488
	Grease	95240
	Industrial Wastewater	101638
	Landfill Leachate	124428
	Package Plant	74100
	Significant Industrial Discharges	12700
		853118
11/16/2019	Domestic Waste	96520
	Food Industrial Wastewaters	93586
	Form Waste (43/U)	13000
	Grease	42850
	Industrial Wastewater	2000
	Landfill Leachate	36061
	Package Plant	30600
		314617
11/18/2019	Domestic Waste	233521
	Food Industrial Wastewaters	254151
	Form Waste (43/U)	123530
	Grease	75530
	Industrial Wastewater	122395
	Landfill Leachate	118935
	Package Plant	138500
	Significant Industrial Discharges	12600
		1079162
11/19/2019	Domestic Waste	224559
	Food Industrial Wastewaters	173455
	Form Waste (43/U)	129478
	Grease	111015
	Industrial Wastewater	77709
	Landfill Leachate	141959
	Package Plant	101000
	Significant Industrial Discharges	13050

Daily Totals

11/1/2019 to 11/30/2019

		972225
11/20/2019	Domestic Waste	157053
	Food Industrial Wastewaters	195820
	Form Waste (43/U)	123178
	Grease	85540
	Industrial Wastewater	67500
	Landfill Leachate	121005
	Package Plant	84100
	Significant Industrial Discharges	17300
		851496
11/21/2019	Domestic Waste	181778
	Food Industrial Wastewaters	246219
	Form Waste (43/U)	166917
	Grease	101215
	Industrial Wastewater	72711
	Landfill Leachate	119270
	Package Plant	146900
	Significant Industrial Discharges	11800
		1046810
11/22/2019	Domestic Waste	124900
	Food Industrial Wastewaters	230383
	Form Waste (43/U)	124020
	Grease	76210
	Industrial Wastewater	44300
	Landfill Leachate	108297
	Package Plant	100100
	Significant Industrial Discharges	11800
		820010
11/23/2019	Domestic Waste	83550
	Food Industrial Wastewaters	125625
	Grease	31460
	Industrial Wastewater	19500
	Landfill Leachate	46734
	Package Plant	9700
		316569
11/25/2019	Domestic Waste	185000
	Food Industrial Wastewaters	273595
	Form Waste (43/U)	160056
	Grease	87465
	Industrial Wastewater	111799
	Landfill Leachate	104373
	Package Plant	63200
	Significant Industrial Discharges	22900
		1008388
11/26/2019	Domestic Waste	140950
	Food Industrial Wastewaters	253104
	Form Waste (43/U)	160312
	Grease	128443

Daily Totals

11/1/2019 to 11/30/2019

	Industrial Wastewater	93542
	Landfill Leachate	130346
	Package Plant	112600
	Significant Industrial Discharges	3600
		1022897
11/27/2019	Domestic Waste	174601
	Food Industrial Wastewaters	202619
	Form Waste (43/U)	149370
	Grease	110245
	Industrial Wastewater	97380
	Landfill Leachate	136867
	Package Plant	131462
	Significant Industrial Discharges	28900
		1031444
11/29/2019	Domestic Waste	167615
	Food Industrial Wastewaters	116503
	Form Waste (43/U)	120230
	Grease	57680
	Industrial Wastewater	43398
	Landfill Leachate	272106
	Package Plant	133700
	Significant Industrial Discharges	12000
		923232
11/30/2019	Domestic Waste	39520
	Food Industrial Wastewaters	40023
	Form Waste (43/U)	12000
	Grease	32000
	Industrial Wastewater	5600
	Landfill Leachate	45624
		174767
Total		**22415201**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 11 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Parameter		Flow		TSS		BOD5		CBOD5									
	Stage		1		RI		RI		RI									
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		
	Fri	11/1/19	47.01		301				232									
	Sat	11/2/19	35.11		173				205									
1	Sun	11/3/19	31.90		91		71		107									
	Mon	11/4/19	33.02		299				366									
	Tue	11/5/19	32.99		327				339									
	Wed	11/6/19	32.92		300		389		247									
	Thu	11/7/19	33.30		337				283									
	Fri	11/8/19	30.81		407				413									
	Sat	11/9/19	31.55		246				186									
2	Sun	11/10/19	30.46		154		136		98									
	Mon	11/11/19	29.41		290				215									
	Tue	11/12/19	31.56		244		311		194									
	Wed	11/13/19	31.10		426				393									
	Thu	11/14/19	32.23		302				227									
	Fri	11/15/19	31.08		346				291									
	Sat	11/16/19	29.71		216				202									
3	Sun	11/17/19	30.09		178		155		131									
	Mon	11/18/19	31.91		266				205									
	Tue	11/19/19	28.63		294		386		379									
	Wed	11/20/19	30.73		283				296									
	Thu	11/21/19	30.56		433				395									
	Fri	11/22/19	30.16		461				137									
	Sat	11/23/19	31.31		223				238									
4	Sun	11/24/19	44.96		189				94									
	Mon	11/25/19	34.20		251		226		156									
	Tue	11/26/19	31.88		328				405									
	Wed	11/27/19	33.26		284		347		293									
	Thu	11/28/19	31.22		160				131									
	Fri	11/29/19	29.77		285				313									
	Sat	11/30/19	31.58		226				203									
5																		
Statistics for DMR																		
Daily Minimum (Conc.):					91		71		94									
Daily Maximum (Conc):					461		389		413									
Max Avg Weekly (Conc.)					305		287		277									
Avg Monthly (Conc.):					277		253		246									
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):			33.84		77534		80358		74858									
Avg Monthly (Load)			32.48		74765		66735		65906									
Total Monthly (Load):			974.42		2242937		2002039		1977171									
Daily Minimum (Load)			28.63		24210		18889		24896									
Daily Maximum (Load):			47.01		118011		106801		107681									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 12/22/2019

Average Weekly Statistics																		
Week 1 (Conc):					287		230		277									
Week 2 (Conc):					283		224		231									
Week 3 (Conc):					305		271		254									
Week 4 (Conc):					246		287		228									
Week 5 (Conc):																		
Week 1 (Load):			32.36		77398		62845		74858									
Week 2 (Load):			30.79		72765		58204		59589									
Week 3 (Load):			30.48		77534		65532		64439									
Week 4 (Load):			33.84		68627		80358		61998									
Week 5 (Load):																		

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **November** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	No	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **12/15/2019**

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, January 28, 2020 8:42 AM
To: DiSantis, Michael; DiSantis, Michael; Raymond Rios; Piro, Ian; Mariani, Chris; Cartafalsa, James
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: DELCORA STP
Permit Number: PA0027103
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 12/01/2019-12/31/2019
Report Due Date: 01/28/2020

Submitted By: Michael DiSantis
Submission Id: 189634
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY
P.O. Box 999 • Chester, PA 19016-0999

January 27, 2020

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

William Collins
Water Quality Specialist – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. Collins:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for December, 2019. We regret to report a violation for exceeding the instantaneous maximum for TRC on 12/4/19. We found that the dechlorination system had inadvertently been turned off due to on-going construction activities.

All other parameters were in compliance during the month. Parameter averages for December 2019 were: Flow – 37.44 MGD; $cBOD_5$ – 10 mg/L; TSS – 16 mg/L; $cBOD_{20}$ % removal – 93.56%; and $cBOD_{20}$ – 5,525 lbs/day.

Should any further information be required concerning this report, please contact me at 610-876-5523, ext. 264.

Respectfully submitted,

Electronically signed & submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:mc
enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
C. Mariani via email with server link
File

3800-FM-BCW0462 12/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	12	01	TO	2019	12	31

Reporting Frequency: Monthly
DMR Effective From: 12/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.03	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	5376	7666	lbs/day	***	16.0	20.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000 Avg Mo	16500 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1579	***	lbs/day	***	<5.0	6.0	mg/L	1/day	Grab
	Permit Requirement	5500 Avg Mo	***		***	15.0 Avg Mo	30.0 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	10.48	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	<.5	.98	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	<2.03	3.6	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	15.4	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.043	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	***	***	<.0002	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0071	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< 001	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.025	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	***	***	.0014	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	37.44	67.98	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	1.3	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	607	842	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Focal Coliform (74055)	Sample Measurement	***	***	***	***	17.0	165.0	No./100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 90%SAMPLES		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	3258	5055	lbs/day	***	10.0	14.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	19.0 Avg Mo	29.0 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	5525	***	lbs/day	***	***	***	***	1/day	Calculation
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	12	01	TO	2019	12	31

Reporting Frequency: Monthly
DMR Effective From: 12/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	***	***	***	93.56	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	12	01	TO	2019	12	31

Reporting Frequency: Monthly
DMR Effective From: 12/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	79881	***	lbs/day	***	227.59	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	83403	***	lbs/day	***	249.57	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	65402	***	lbs/day	***	197.52	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Sampling Point Comments										

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3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
WRTP_Influent_12.2019.pdf	Laboratory Analytical Report	2020-01-27T12:16:23-05:00	
Process_Control_12.2019.pdf	Other	2020-01-28T07:09:13-05:00	Process_Control_12.2019
Sewage Sludge Biosolids Production and Disposal Form_12.2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2020-01-28T07:06:07-05:00	
WRTP_Effluent_12.2019.pdf	Laboratory Analytical Report	2020-01-28T07:06:54-05:00	
DMR Cover Letter December 2019.doc	Cover Letter	2020-01-28T08:39:20-05:00	
Hauled In Residual Wastes _12-2019.xlsx	Hauled-In Residual Waste Form	2020-01-27T14:00:26-05:00	
December 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2020-01-27T12:11:56-05:00	
Trucked Waste_12.2019.xlsx	Other	2020-01-27T12:13:53-05:00	Trucked Waste_12.2019
DMR Laboratory Accreditation-WRTP-12-2019.doc	Laboratory Accreditation Form	2020-01-27T12:08:15-05:00	
Influent and Process Control_12.2019.xls	Influent and Process Control Form	2020-01-27T11:54:18-05:00	
Inf-PRF December 2019 Calculations.xlsx	Other	2020-01-27T15:06:35-05:00	Inf-PRF December 2019 Calculations
Sludge Hauled 12-2019.pdf	Other	2020-01-27T12:10:28-05:00	Sludge Hauled 12-2019
EFF_12-4-19.PDF	Laboratory Analytical Report	2020-01-27T12:15:02-05:00	
Daily Influent Monitoring Form-12-2019.xlsx	Daily Effluent Monitoring Form	2020-01-27T15:05:38-05:00	
Daily Effluent Monitoring Form-12-2019.xlsx	Daily Effluent Monitoring Form	2020-01-27T11:46:55-05:00	
Hauled In Municipal Waste_12-2019.xls	Hauled-In Municipal Waste Form	2020-01-27T11:51:46-05:00	
DMR Laboratory Accreditation-ALS-12-2019.doc	Laboratory Accreditation Form	2020-01-27T12:06:27-05:00	
DMR Laboratory Accreditation-MJR-12-2019.doc	Laboratory Accreditation Form	2020-01-27T12:07:28-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
105696	12/01/2019	12/31/2019	Total Residual Chlorine (TRC)	Instantaneous Maximum	1.3	1	mg/L	Final Effluent (001)	Equipment malfunction/failure	See attached comments	Due to on-going construction activities, the dichlorination system was found inadvertently shut off at the time of the sample.

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
105697	Sample type not in accordance with permit	Final Effluent (001)	BOD, carbonaceous, 20 day, 20 C	Calculation	24-Hr Composite	

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Michael Disantis	TELEPHONE		DATE		
disantism			(610)	876-5523	2020	1	28
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	12	01	TO	19	12	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Copper, Total	EPA 200.7	ALS Environmental	PA 22-293
Lead, Total	EPA 200.7	ALS Environmental	PA 22-293
Zinc, Total	EPA 200.7	ALS Environmental	PA 22-293
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 1/27/2020

[1] Submit this form with each Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes.

[2] For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	12	01	TO	19	12	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
0TKN-N	EPA 351.2	M.J. Reider	PA 06-00003
Ammonia as N	ASTM D6919-03	M.J. Reider	PA 06-00003
Nitrate as	EPA 300.0	M.J. Reider	PA 06-00003
Nitrite as N	EPA 300.0	M.J. Reider	PA 06-00003

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3800-FM-WSFR0189 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

Address: P.O. Box 999
Chester, PA 19016
19016

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	19	12	01	TO	19	12	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	HACH 10242	DELCORA - Central Laboratory	23-00671
Fecal Coliform	Colilert 18/Quantitray	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Nitrate as N	HACH 10206	DELCORA - Central Laboratory	23-00671
TDS	SM 2540 C	DELCORA - Central Laboratory	23-00671

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Name/Title Principal Executive Officer **Phone:** 610.876.5523 **Signature of Principal Executive Officer or Authorized Agent**

Michael J. DiSantis **Date:** 1/27/2020

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3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: **DELCORA STP**
Municipality: **City Of Chester** County: **Delaware**
Watershed: **3-G**

Month: **December** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
		TOTAL:			TOTAL:			TOTAL:	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	Cumberland County Landfill	Mostoller Landfill, INC	rks Community Landfill and Recy	A & M Composting
Municipality	Hopewell and North Newton	Brothersvalley and Somerset	Cumru Township	Penn Township
County	Cumberland	Somerset	Berks	Lancaster
DEP Permit No.	265792	238935	451623	602247
Type of Material*	incinerator ash	incinerator ash	incinerator ash	sewage sludge
Dry Tons Applied/Disposed				
Type of Disposal/Use*	landfill	landfill	landfill	composting
Hauler Name	Interstate Waste Services	Interstate Waste Services	Interstate Waste Services	J. P. Mascaro & Sons

* See Instructions for explanation.

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **January 27, 2020**

3800-FM-BCW0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP
Municipality: City of Chester County: Delaware
Watershed: 3-G

Month: December Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	41.42	176	60,798	187	64,598	3550.00	4.92	501000.00		
2	36.72			270	82,686	2480.00	4.77	477000.00		
3	32.96	731	200,942	411	112,978	2520.00	4.09	469000.00		
4	32.30			362	97,516	3135.00	4.21	470000.00		
5	32.22			373	100,231	3145.00	4.72	447000.00		
6	31.43			325	85,191	3080.00	4.72	475000.00		
7	30.93			231	59,588	3115.00	4.63	473000.00		
8	31.39	145	37,960	166	43,458	3175.00	5.00	472000.00		
9	55.93			164	76,499	3220.00	3.64	481000.00		
10	48.31	162	65,271	190	76,552	2715.00	4.07	466000.00		
11	45.60			236	89,752	2690.00	4.68	441000.00		
12	38.98			290	94,277	3000.00	5.04	438000.00		
13	39.87			361	120,038	3190.00	4.89	448000.00		
14	50.10			154	64,346	2900.00	5.14	449000.00		
15	37.31	99	30,805	108	33,606	3485.00	4.85	446000.00		
16	41.68			256	88,988	3580.00	4.74	444000.00		
17	70.34	191	112,047	140	82,129	1615.00	3.27	467000.00		
18	47.50			223	88,341	3255.00	4.57	528000.00		
19	42.37			329	116,257	4045.00	4.82	565000.00		
20	40.14			324	108,465	3915.00	4.83	622000.00		
21	38.78			184	59,510	4210.00	5.36	649000.00		
22	38.16	149	47,420	140	44,556	3625.00	5.24	678000.00		
23	38.28			234	74,706	3740.00	4.20	689000.00		
24	37.30			281	87,414	3475.00	4.47	681000.00		
25	34.59	140	40,387	127	36,637	3390.00	5.29	654000.00		
26	36.34			369	111,835	4130.00	5.10	624000.00		
27	36.50			302	91,932	3505.00	4.68	651000.00		
28	35.76			195	58,156	3545.00	4.37	652000.00		
29	40.49			190	64,160	3285.00	5.38	623000.00		
30	57.92	255	123,178	239	115,450	2715.00	4.57	576000.00		
31	47.37			277	109,433	2645.00	4.31	574000.00		
Avg	**40.935**	**228**	**79,868**	**246**	**81,912**	**3,228**	**5**	**536,452**		
Max	**70.34**	**731**	**200,942**	**411**	**120,038**	**4,210**	**5**	**689,000**		

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenace

License No.: T0403
Date: 1/24/2020

3800-FM-BCW0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3G

Month: December Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Package Plant Sludge				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1				Headworks				Sludge Thickening				Headworks		
2	128650			Headworks	92411			Sludge Thickening	63700			Headworks	284,761	0
3	148820			Headworks	115719			Sludge Thickening	160000			Headworks	424,539	0
4	158512			Headworks	122484			Sludge Thickening	91550			Headworks	372,546	0
5	148396			Headworks	159321			Sludge Thickening	97300			Headworks	405,017	0
6	139440			Headworks	93851			Sludge Thickening	136500			Headworks	369,791	0
7	102726			Headworks				Sludge Thickening	32500			Headworks	135,226	0
8				Headworks				Sludge Thickening				Headworks		
9	112050			Headworks	120349			Sludge Thickening	78500			Headworks	310,899	0
10	173946			Headworks	107849			Sludge Thickening	151200			Headworks	432,995	0
11	120128			Headworks	118435			Sludge Thickening	146000			Headworks	384,563	0
12	168822			Headworks	142017			Sludge Thickening	250925			Headworks	561,764	0
13	137950			Headworks	95348			Sludge Thickening	137400			Headworks	370,698	0
14	64025			Headworks				Sludge Thickening	55100			Headworks	119,125	0
15				Headworks				Sludge Thickening				Headworks		
16	146103			Headworks	113302			Sludge Thickening	103600			Headworks	363,005	0
17	152700			Headworks	99485			Sludge Thickening	216700			Headworks	468,885	0
18	148575			Headworks	113907			Sludge Thickening	148700			Headworks	411,182	0
19	133706			Headworks	108922			Sludge Thickening	256850			Headworks	499,478	0
20	133900			Headworks	105789			Sludge Thickening	120600			Headworks	360,289	0
21	74500			Headworks				Sludge Thickening	12000			Headworks	86,500	0
22				Headworks				Sludge Thickening				Headworks		
23	176200			Headworks	126793			Sludge Thickening	97800			Headworks	400,793	0
24	119300			Headworks	82838			Sludge Thickening	121845			Headworks	323,983	0
25				Headworks				Sludge Thickening				Headworks		
26	105100			Headworks	158354			Sludge Thickening	203450			Headworks	466,904	0
27	118700			Headworks	88617			Sludge Thickening	175920			Headworks	383,237	0
28	59850			Headworks				Sludge Thickening	8800			Headworks	68,650	0
29				Headworks				Sludge Thickening				Headworks		
30	174844			Headworks	120890			Sludge Thickening	93213			Headworks	388,947	0
31	144481			Headworks	95233			Sludge Thickening	120200			Headworks	359,914	0
Avg	131,657				113,424				123,214			Monthly Totals:	8,753,691	

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Prepared By: Michael J. DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 1/24/2020

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCORA STP
Municipality: City of Chester
County: Delaware
Watershed: 3G

Month: December
Year: 2019
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
Total:								

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Prepared By: Michael DiSantis
Title: Dir. Operations and Maintenace

License No.: T0403
Date: 1/27/2020

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: [illegible]
Municipality: [illegible]
Watershed: [illegible]
Laboratory: [illegible]
Country: [illegible]
Month: 12 (total month)
Year: 2018
Permit No.: [illegible]
Outfall: 001
Release authorization due 180 days after to expiration.
This permit will expire on: [illegible]

Day	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD30	TSS	TSS	TDS	Oil and Grease	TRN	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead	Total Zinc	Ethylenebenzene	Chromium, total	Total Cyanide	Total Cadmium
Daily Minimum (Conc):																						
Daily Maximum (Conc):																						
Max Avg Weekly (Conc):																						
Avg Monthly (Conc):																						
Geometric Mean (Conc):																						
Max Avg Weekly (Load):																						
Avg Monthly (Load):																						
% allowable (Load):																						
Daily Minimum (Load):																						
Daily Maximum (Load):																						

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Prepared By: [illegible]
Title: [illegible]
License No.: [illegible]
Date: [illegible]

	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD30	TSS	TSS	TDS	Oil and Grease	TRN	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead	Total Zinc	Ethylenebenzene	Chromium, total	Total Cyanide	Total Cadmium
Average Weekly Statistics																						
Week 1 (Conc):				10	14.4	0.8873333333	14.1	0.0500159472	942	5	0.1	0.94	3.4	0.08	14.1	0.0071	0.003	0.025	0.0014	0.0005	0.043	0.0002
Week 2 (Conc):				11	17.4	0.8283333333	20	0.0110166667	589	5	0.48	8.14	2.43	0.2	14.3							
Week 3 (Conc):				14	21.3	0.8916666667	32.2	0.0070666667	470	5	0.48	10.7	2	0.22	17.7							
Week 4 (Conc):				8	9.1	0.8616666667	12	0.0076666667	604	5	0.44	11	1.01	0.04	13							
Week 5 (Conc):																						
Week 1 (Load):	33.7			2679	3857		3781		211371	1287	154	2242	907	248	3514	2	0.8	6	0.4	0.1	11	0.05
Week 2 (Load):	41.85			4014	4551		7526		194190	1777	175	3537	848	77	5154							
Week 3 (Load):	41.95			5050	9179		7980		138821	1610	156	4096	1134	125	10015							
Week 4 (Load):	32.07			1927	2187		2882		150911	1338	137	2743	252	160	3242							
Week 5 (Load):																						

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester County: Delaware
Watershed: 3-G
Laboratories: DELCORA; ALS Environmental

Month: 12 (select number) Year: 2019
Permit No.: PA0027103 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		TSS		BOD5		CBOD5									
Stage			1		RI		RI		RI									
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		
1	Sun	12/1/19	41.42		187		176		150									
	Mon	12/2/19	36.72		270				228									
	Tue	12/3/19	32.96		411		731		486									
	Wed	12/4/19	32.30		362				284									
	Thu	12/5/19	32.22		373				204									
	Fri	12/6/19	31.43		325				297									
	Sat	12/7/19	30.93		231				308									
2	Sun	12/8/19	31.39		166		145		101									
	Mon	12/9/19	55.93		264				132									
	Tue	12/10/19	48.31		190		162		216									
	Wed	12/11/19	45.60		236				173									
	Thu	12/12/19	38.98		290				194									
	Fri	12/13/19	39.87		361				210									
	Sat	12/14/19	50.10		154				146									
3	Sun	12/15/19	37.31		108		99		90									
	Mon	12/16/19	41.68		256				170									
	Tue	12/17/19	70.34		140		191		94									
	Wed	12/18/19	47.50		223				158									
	Thu	12/19/19	42.37		329				185									
	Fri	12/20/19	40.14		324				292									
	Sat	12/21/19	38.78		184				157									
4	Sun	12/22/19	38.16		140		149		81									
	Mon	12/23/19	36.28		234				283									
	Tue	12/24/19	37.30		281				237									
	Wed	12/25/19	34.59		127		140		91									
	Thu	12/26/19	36.34		369				218									
	Fri	12/27/19	36.50		302				244									
	Sat	12/28/19	35.76		195				135									
5	Sun	12/29/19	40.49		190				119									
	Mon	12/30/19	57.92		239		255		204									
	Tue	12/31/19	47.37		277				239									
Statistics for DMR																		
Daily Minimum (Conc.):					107.815063		99.097829		80.91352201									
Daily Maximum (Conc):					411.0254854		731		486									
Max Avg Weekly (Conc.):					308.390678		453.4266055		279.4361431									
Avg Monthly (Conc.):					249.5699947		227.5868649		197.6204486									
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):			45.45		87364		130845		77658									
Avg Monthly (Load):			40.94		83403		79881		65402									
Total Monthly (Load):			1268.99		2585481		2476298		2027469									
Daily Minimum (Load):			30.93		33548		30836		25751									
Daily Maximum (Load):			70.34		123225		200942		133595									

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 1/27/2020

Average Weekly Statistics																		
Week 1 (Conc):			308.390678		453.4266055		279.4361431											
Week 2 (Conc):			237.2546526		153.4583384		167.4349058											
Week 3 (Conc):			223.480035		144.981101		163.8753953											
Week 4 (Conc):			235.2779662		144.5371054		184.0760725											
Week 5 (Conc):																		
Week 1 (Load):	34		86099		130845		77658											
Week 2 (Load):	44.31		87364		51601		62108											
Week 3 (Load):	45.45		82481		71402		59885											
Week 4 (Load):	36.7		72131		43911		56652											
Week 5 (Load):																		

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

Facility Name: **Delaware County Regional Water Quality Control Authority**
Municipality: **City of Chester** County: **Delaware**
Watershed: **3G**

Month: **December** Year: **2019**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

CSO Outfall No.	Outfall Location*	Discharge?*	Comments
002	Front & Booth	Yes	
003	Front & Highland	Yes	
004	Front & Hayes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tilghman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	Yes	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	Yes	
015	4th & Melrose	Yes	
016	8th & McDowell	Yes	
017	9th & Campbell	Yes	
018	Sun Dr. & Hancock	Yes	
019	14th & Crozer Hospital	Yes	
020	Kerlin & Finland	Yes	
021	9th & Sproul	No	
022	6th & Sproul	Yes	
023	3rd & Edgmont	Yes	
024	3rd & Dock	Yes	
025	5th & Penn	Yes	
026	7th & Penn	Yes	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.
** See Instructions for explanation.*

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Michael J. DiSantis**
Title: **Dir. Of Operations and Maintenance**

License No.: **T0403**
Date: **1/15/2020**