

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: **DELCORA WRTP**
Municipality: **City of Chester**
Watershed: **3G**

County: **Delaware**

Month: **May**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**
Year: **2017**

Day	Influent					Process Control		
	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	34.82	271	78,698	324	94,089	3190.00	1.01	359554
2	34.22			230	65,641	2815.00	0.61	368840
3	34.48	418	120,201	464	133,429	2620.00	0.80	386945
4	32.53			326	88,444	3525.00	0.77	408721
5	49.67			436	180,612	4280.00	0.65	469162
6	36.59			140	42,722	3305.00	0.81	287912
7	32.11			76	20,353	3015.00	1.02	356646
8	31.45	185	48,524	270	70,819	2970.00	0.55	317652
9	31.09			522	135,350	2895.00	0.94	248213
10	30.49	363	92,306	228	57,977	2525.00	1.22	420196
11	29.99			180	45,021	3090.00	1.00	549986
12	30.21			366	92,214	2735.00	0.94	458287
13	67.11			98	54,850	2935.00	1.30	340832
14	46.60			100	38,864	3300.00	2.62	341796
15	37.24	555	172,373	432	134,171	3140.00	1.44	477004
16	34.06			258	73,288	3440.00	0.92	444271
17	32.67	371	101,086	310	84,465	3690.00	0.89	342697
18	32.41			482	130,284	3855.00	0.90	398072
19	31.11			266	69,016	3720.00	0.88	475862
20	29.77			164	40,718	3700.00	0.97	308342
21	31.07			200	51,825	3610.00	1.08	370153
22	35.43	506	149,516	64	18,911	3430.00	1.06	293988
23	30.25			368	92,841	3800.00	1.04	425366
24	31.66	341	90,039	350	92,416	3215.00	1.62	465240
25	55.18			304	139,901	3465.00	1.04	447935
26	49.33			530	218,048	4375.00	1.47	418039
27	35.62			156	46,343	3465.00	1.62	315763
28	32.40			122	32,966	3430.00	2.02	258391
29	34.20	170	48,489	184	52,482	3085.00	2.24	284235
30	35.42			376	111,071	2925.00	1.57	363029
31	34.20	424	120,937	348	99,259	2460.00	1.21	361460
Avg	36.238	360	102,217	280	84,142	3,290	1	378,535
Max	67.11	555	172,373	530	218,048	4,375	3	549,986

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. Of Operations and Maintenance**

License No.: **T0403**
Date: **6/28/2017**

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DEL CORA STP
Municipality: City of Chester
Watershed: 3G

County: Delaware

Month: May
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018
Year: 2017

Day	SEPTAGE			SLUDGE			OTHER (specify):			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)
1	48200			Headworks	121411			Headworks	258,311		0
2	57230			Headworks	106909			Headworks	227,039		0
3	57350			Headworks	126091			Headworks	249,541		0
4	31100			Headworks	159486			Headworks	283,586		0
5	26500			Headworks	88668			Headworks	173,368		0
6	2000			Headworks				Headworks	21,500		0
7				Headworks				Headworks			0
8	33700			Headworks	106828			Headworks	215,928		0
9	52550			Headworks	96898			Headworks	218,398		0
10	52300			Headworks	131291			Headworks	259,091		0
11	61053			Headworks	108368			Headworks	225,571		0
12	36700			Headworks	67592			Headworks	173,252		0
13	22600			Headworks				Headworks	52,200		0
14				Headworks				Headworks			0
15	64100			Headworks	110405			Headworks	240,855		0
16	28800			Headworks	90775			Headworks	188,325		0
17	38050			Headworks	120085			Headworks	214,135		0
18	39250			Headworks	129129			Headworks	225,479		0
19	27030			Headworks	92824			Headworks	183,854		0
20	10750			Headworks				Headworks	31,550		0
21				Headworks				Headworks			0
22	32800			Headworks	139794			Headworks	226,894		0
23	32850			Headworks	140625			Headworks	255,425		0
24	35050			Headworks	132284			Headworks	222,284		0
25	23300			Headworks	138729			Headworks	232,679		0
26	44000			Headworks	93184			Headworks	197,084		0
27	13000			Headworks				Headworks	42,550		0
28				Headworks				Headworks			0
29				Headworks				Headworks			0
30	50150			Headworks	97245			Headworks	218,145		0
31	27950			Headworks	148500			Headworks	226,079		0
Avg	36,399				145,778			Monthly Totals:	5,063,123		0

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: Headworks
Title: Dir. Operations and Maintenance

License No.: T0403
Date: 6/28/2017

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

Facility Name: DELCO RA STP
 Municipality: City of Chester
 Watershed: 3G

County: Delaware
 Month: May
 NPDES Permit No.: PA0027103 A3
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018
 Year: 2017

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Generator	Location of Well(s)	Generating Wastewater Address	State	Wastewater Type	Chemical Analysis Yes/No
	2432801			Industrial Wastewater				Production Water	
	144441			Form U Residual Waste				Production Water	
	2137788			Grease				Food Processing Leachate	
	12734612			Landfill Leachate				Food Processing	
	3964177			Food Processing Wastewater				Food Processing	
Total									
21,413,819									

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

License No.: T0403
 Date: 6/28/2017

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

1004-10-01-00000000000000000000

Facility Name: DELCORA STP
Municipality: City of Chambers
Waterbody: DELCORA, ALS Environmental
Laboratories: DELCORA, ALS Environmental

County: Delaware
Month: 5 (Select number)
Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Year: 2017
Outfall: 001

Station	Layer	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD20	TSS	TSS	TDS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TN	Total Copper	Total Lead
		MGD	CFU/100 ml	STU	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
1	Bottom	4.0017	33.60	6.81	8	22	17	15	13	109.00	0.40	0.40	7.38	0.83	0.48	10.75	0.011	0.003
1	Mid	5.917	23.00	6.89	11	22	17	20	13	60.00	0.29	0.29	7.38	0.83	0.48	10.75	0.011	0.003
1	Top	5.917	33.42	6.81	8	22	17	15	13	109.00	0.40	0.40	7.38	0.83	0.48	10.75	0.011	0.003
2	Bottom	5.917	33.78	6.81	8	22	17	15	13	109.00	0.40	0.40	7.38	0.83	0.48	10.75	0.011	0.003
2	Mid	5.917	33.78	6.81	8	22	17	15	13	109.00	0.40	0.40	7.38	0.83	0.48	10.75	0.011	0.003
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**CSO SUPPLEMENTAL REPORT
 MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: May Year: 2017
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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 & Sproui	Yes	
022	6th & Sproui	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	Yes	

*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: 6/12/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, July 26, 2017 1:30 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: 06/01/2017-06/30/2017
Report Due Date: 07/28/2017

Submitted By: Michael DiSantis
Submission Id: 62108
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 26, 2017

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 June, 2017.

Parameter averages for June, 2017 were: Flow – 29.93 MGD; cBOD₅ – 7 mg/l; TSS – 12 mg/L; cBOD₂₀ % removal – 94.28 %; and cBOD₂₀ loading – 5,436 lbs/day.

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

Respectfully submitted,

Electronically 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
S.J. Babylon via email with server link
Ian Piro 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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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
2017	06	01	2017	06	30

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

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	6.5	5.99	SLU	Grab	1/day
	Permit Measurement	***	***	6.0	MAX		Grab	1/day
Total Suspended Solids	Sample Measurement	2987	3372	lbs/day	12	mg/L	24-Hr Composite	1/day
	Permit Measurement	11000	16500	Wkly Avg	30	45	24-Hr Composite	1/day
	Sample Measurement	<1248	***	lbs/day	<5	<5	Grab	1/day
Oil and Grease	Sample Measurement	5800	***	Avg Mo	15	30	Grab	1/day
	Permit Measurement	***	***	Avg Mo	4.23	MAX	24-Hr Composite	2/month
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	***	***	***	4	5.1	24-Hr Composite	2/month
	Permit Measurement	***	***	***	7.3	7.6	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	7.9	***	24-Hr Composite	2/month
	Permit Measurement	***	***	***	0.13	***	24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Cyanide, Total	Sample Measurement	***	***	***	<.005	***	Grab	1/month
	Permit Measurement	***	***	***	<.001	***	24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	mg/L	24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	mg/L	Grab	1/month
Fluor	Sample Measurement	29.93	38.24	MSD	***	***	Grab	1/month
	Permit Measurement	***	***	***	***	***	Grab	1/month
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	4	57	Grab	1/day
	Permit Measurement	***	***	***	5	1.0	Grab	1/day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Upload Date	Attachment Comment
DMR Cover Letter June 2017.doc	Cover Letter	2017-07-25T13:29:26-04:00	
Daily Influent Monitoring Form-06-2017.xlsx	Daily Effluent Monitoring Form	2017-07-25T14:11:41-04:00	Daily Influent Monitoring Form-06-2017
Daily Effluent Monitoring Form-06-2017.xlsx	Daily Effluent Monitoring Form	2017-07-25T14:11:17-04:00	
DMR Laboratory Accreditation-ALS-06-2017.doc	Laboratory Accreditation Form	2017-07-25T15:57:05-04:00	
Hauled in Municipal Waste, 06-2017.xls	Hauled-in Municipal Waste Form	2017-07-25T15:46:16-04:00	
Influent and Process Control, 06-2017.xls	Influent and Process Control Form	2017-07-25T15:45:54-04:00	
Sewage Sludge Biosolids Production and Disposal Form, 06-2017.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-07-25T15:45:44-04:00	
June 2017 SWMM Report.xlsx	CSO Detailed Durdell Report Form	2017-07-25T15:39:29-04:00	
Trucked Waste, 06-2017.xlsx	Other	2017-07-25T15:53:49-04:00	Trucked Waste, 06-2017
WRTP_Sludge_06-2017.pdf	Laboratory Analytical Report	2017-07-25T15:39:05-04:00	
g80020_ALS_6-4-17.PDF	Laboratory Analytical Report	2017-07-25T15:44:21-04:00	
Effluent_WRTTP_06-2017.pdf	Laboratory Analytical Report	2017-07-25T15:43:37-04:00	
g80000_ALS_6-13-17.PDF	Laboratory Analytical Report	2017-07-25T15:45:18-04:00	
g80000_ALS_6-11-17.PDF	Laboratory Analytical Report	2017-07-25T15:45:32-04:00	
g80000_ALS_6-4-17.PDF	Laboratory Analytical Report	2017-07-25T15:45:14-04:00	
Effluent_ALS_06-08-2017.PDF	Laboratory Analytical Report	2017-07-25T14:12:01-04:00	
DMR Laboratory Accreditation-WRTTP-06-2017.doc	Laboratory Analytical Report	2017-07-25T15:47:29-04:00	
g80020_ALS_6-27-17.PDF	Laboratory Analytical Report	2017-07-25T15:46:56-04:00	
g80020_ALS_6-24-17.PDF	Laboratory Analytical Report	2017-07-25T15:46:22-04:00	
g80020_ALS_6-18-17.PDF	Laboratory Analytical Report	2017-07-25T15:46:05-04:00	
g80020_ALS_6-15-17.PDF	Laboratory Analytical Report	2017-07-25T15:44:58-04:00	
g80020_ALS_6-8-17.PDF	Laboratory Analytical Report	2017-07-25T15:44:38-04:00	
g80000_ALS_6-4-17.PDF	Laboratory Analytical Report	2017-07-25T15:43:57-04:00	
Influent_WRTTP_06-2017.pdf	Laboratory Analytical Report	2017-07-25T15:39:44-04:00	
WRTP_ProcessControl_06-2017.pdf	Laboratory Analytical Report	2017-07-25T15:48:34-04:00	
Hauled in Residual Wastes, 06-2017.xls	Laboratory Analytical Report	2017-07-25T15:47:45-04:00	
g80020_ALS_6-26-17.PDF	Laboratory Analytical Report	2017-07-25T15:47:12-04:00	
g80020_ALS_6-25-17.PDF	Laboratory Analytical Report	2017-07-25T15:47:12-04:00	
g80020_ALS_6-20-17.PDF	Laboratory Analytical Report	2017-07-25T15:46:39-04:00	

PERMIT VIOLATIONS

Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Lead Units	Sampling Point ID	Cause of NC	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Event Begin Date	Event End Date	Time Discovored	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DSP Notified	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. Disantis	70403	6108765523

SUBMISSION INFORMATION

Submitted By	Telephone	Date
GREENPORT USER	AREA CODE NUMBER	2017 7 26
DISANTISM	AREA CODE NUMBER	YEAR MO DAY

Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, 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: Michael Disantis
TELEPHONE: AREA CODE NUMBER
DATE: 2017 7 26



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	06	01	TO	17	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							
Dichlorobromomethane	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 possibility 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: 07/28/17

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				17	06	01	TO 17 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	SM4500-N-org B/SM4500-NH3 C	DELCORA - Central Laboratory	23-00671				
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671				
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671				
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671				
Ammonia as N	EPA 350.1	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 possibility 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: 07/28/2017

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: June Year: 2017
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	32.33			334	90,057	3345.00	1.06	397485
2	30.87			292	75,177	3155.00	1.17	341946
3	29.82			232	57,698	3465.00	1.10	301610
4	29.91			168	41,907	3540.00	1.53	278663
5	30.99	408	105,450	386	99,764	3175.00	1.03	268037
6	35.85			402	120,194	3570.00	1.07	262838
7	32.47	305	82,594	438	118,610	3840.00	1.36	235759
8	31.19			512	133,184	3675.00	1.01	383967
9	30.64			320	81,772	4345.00	1.08	358246
10	29.03			184	44,548	3790.00	1.33	286749
11	29.19			170	41,386	3795.00	1.46	263000
12	30.48	447	113,629	398	101,173	4340.00	1.10	289707
13	29.28			478	116,725	3770.00	1.00	414008
14	30.88	320	82,413	388	99,925	3870.00	0.92	385913
15	29.83			462	114,937	3550.00	0.92	498588
16	29.37			366	87,201	3865.00	0.94	438964
17	29.73			212	52,565	3915.00	0.94	260233
18	28.23			186	43,792	3850.00	1.11	191776
19	33.32	302	83,922	332	92,259	3550.00	1.00	122057
20	30.51			282	71,766	3795.00	0.92	505945
21	30.04	322	80,672	300	75,160	3670.00	0.91	402327
22	28.95			304	73,399	3840.00	0.85	431355
23	29.32			364	89,008	4075.00	0.88	456539
24	40.90			64	21,831	4085.00	0.82	438203
25	31.38			142	37,163	3805.00	0.98	418290
26	30.30	346	87,435	460	116,243	4160.00	0.96	262400
27	34.93			284	82,734	3835.00	0.92	393551
28	30.34	320	80,971	238	60,222	3745.00	0.89	420060
29	31.00			476	123,065	3440.00	0.65	465826
30	31.20			334	86,909	3635.00	0.74	467268
31								
Avg	31.076	346	89,636	317	81,679	3,750	1	354,710
Max	40.9	447	113,629	512	133,184	4,345	2	505,945

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 Maintenance Date: 7/28/2017



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: June Year: 2017
 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)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)	
1	37000			150380			67600			Headworks	254,980	0
2	31510			134380			75093			Headworks	240,983	0
3	28160			96700			37550			Headworks	162,410	0
4										Headworks		
5	36250			93203			100450			Headworks	229,903	0
6	33900			75000			69230			Headworks	178,130	0
7	36600			101155			51200			Headworks	188,955	0
8	46700			101372			82375			Headworks	230,447	0
9	46950			106624			80050			Headworks	233,624	0
10	10000						34700			Headworks	44,700	0
11										Headworks		
12	39350			102991			43250			Headworks	185,591	0
13	39500			109800			52300			Headworks	201,600	0
14	40300			128362			67400			Headworks	236,062	0
15	35300			79500			40800			Headworks	155,600	0
16	53955			61000			50050			Headworks	165,005	0
17	7000						32900			Headworks	39,900	0
18										Headworks		
19	51950			69124			70650			Headworks	191,724	0
20	63750			69202			46800			Headworks	179,752	0
21	37250			68000			50150			Headworks	155,400	0
22	65200			102705			90000			Headworks	257,905	0
23	37550			83505			43600			Headworks	164,655	0
24	16400			6500			23100			Headworks	46,000	0
25										Headworks		
26	45250			120978			74150			Headworks	240,378	0
27	31600			73060			70715			Headworks	175,375	0
28	35950			113200			89035			Headworks	238,185	0
29	51500			93911			65050			Headworks	210,461	0
30	36600			91448			42600			Headworks	170,648	0
31										Headworks		
Avg	38,288			93,004			59,646			Monthly Totals:	4,778,373	

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 7/28/2017

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Month: June Year: 2017
 NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

County: Delaware

Day	SEPTAGE			SLUDGE			OTHER (specify):			PACKAGE PLANT			DAILY TOTALS		
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)
1							Headworks	105090			Headworks	105,090	0		
2							Headworks	107700			Headworks	107,700	0		
3							Headworks	4500			Headworks	4,500	0		
4							Headworks				Headworks				
5							Headworks	76600			Headworks	76,600	0		
6							Headworks	142500			Headworks	142,500	0		
7							Headworks	125500			Headworks	125,500	0		
8							Headworks	116400			Headworks	116,400	0		
9							Headworks	193900			Headworks	193,900	0		
10							Headworks	8500			Headworks	8,500	0		
11							Headworks				Headworks				
12							Headworks	78400			Headworks	78,400	0		
13							Headworks	192870			Headworks	192,870	0		
14							Headworks	146100			Headworks	146,100	0		
15							Headworks	132490			Headworks	132,490	0		
16							Headworks	121100			Headworks	121,100	0		
17							Headworks	6000			Headworks	6,000	0		
18							Headworks				Headworks				
19							Headworks	73000			Headworks	73,000	0		
20							Headworks	159200			Headworks	159,200	0		
21							Headworks	108850			Headworks	108,850	0		
22							Headworks	149600			Headworks	149,600	0		
23							Headworks	134400			Headworks	134,400	0		
24							Headworks	5000			Headworks	5,000	0		
25							Headworks				Headworks				
26							Headworks	85800			Headworks	85,800	0		
27							Headworks	140315			Headworks	140,315	0		
28							Headworks	148000			Headworks	148,000	0		
29							Headworks	176266			Headworks	176,266	0		
30							Headworks	108400			Headworks	108,400	0		
31							Headworks				Headworks				
Avg								109,480			Monthly Totals:	2,846,481			

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Prepared By: Michael DiSantis License No.: T0403
 Title: Dir. Operations and Maintenance Date: 7/28/2017

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: DELCORA STP
Municipality: City of Chester
Watershed: 3-6
Laboratories: DELCORA ALS Environmental

County: Delaware

Month: 6
Year: 2017
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		TSS		BOD5		CBOD5		g	g	g	g	g	g	g
			MGD	mg/L	RI	mg/L	RI	mg/L	RI								
1	Thu	6/17/17	32.33	354													
	Fri	6/17/17	30.87	292													
	Sat	6/17/17	29.82	222													
	Sun	6/17/17	29.81	181													
	Mon	6/17/17	30.99	389													
	Tue	6/17/17	35.85	422													
	Wed	6/17/17	32.47	439													
	Thu	6/17/17	31.79	372													
	Fri	6/17/17	30.84	324													
	Sat	6/17/17	30.84	184													
	Sun	6/17/17	29.13	170													
2	Mon	6/12/17	30.48	588													
	Tue	6/13/17	28.28	478													
	Wed	6/14/17	30.88	388													
	Thu	6/15/17	29.83	462													
	Fri	6/16/17	29.37	356													
	Sat	6/17/17	29.73	212													
	Sun	6/18/17	28.29	189													
3	Mon	6/19/17	33.32	302													
	Tue	6/20/17	30.51	292													
	Wed	6/21/17	30.04	300													
	Thu	6/22/17	28.95	304													
	Fri	6/23/17	29.32	354													
	Sat	6/24/17	40.59	84													
	Sun	6/25/17	31.38	142													
	Mon	6/26/17	30.30	480													
	Tue	6/27/17	34.83	284													
	Wed	6/28/17	34.36	320													
	Thu	6/29/17	34.36	418													
	Fri	6/30/17	31.20	334													
	Sat	7/1/17		334													
4	Mon	6/26/17	31.38	142													
5	Tue	6/27/17	34.83	284													
6	Wed	6/28/17	34.36	320													
7	Thu	6/29/17	34.36	418													
8	Fri	6/30/17	31.20	334													
9	Sat	7/1/17		334													

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 testimony).

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

License No.: T0403
Date: 7/28/2017



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: June Year: 2017
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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 & Tighman	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	Yes	

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: 7/19/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, August 28, 2017 11:20 AM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; 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: 07/01/2017-07/31/2017
Report Due Date: 08/28/2017

Submitted By: Michael DiSantis
Submission Id: 65892
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

August 28, 2017

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 July, 2017. We regret to report that there was one violation during the month for exceeding the maximum fecal coliform limit of 1,000 mpn/100 ml with a result of 2,420 mpn/100ml on 7/24/17.

Parameter averages for July, 2017 were: Flow – 32.89 MGD; cBOD₅ – 6 mg/l; TSS – 8 mg/L; cBOD₂₀ % removal – 95.83 %; and cBOD₂₀ loading – 6,504 lbs/day.

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

Respectfully submitted,

Electronically 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
S.J. Babylon via email with server link
Ian Piro 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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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
OUT-FALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2017	07	01	2017	07	31

FROM

PARAMETERS REPORTED VALUES

PARAMETER	Sample Measurement	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
pH	Sample Measurement	***	***	8.49	***	7.22	S.U.	Grab	1/day
	Permit Measurement	***	***	6.0 Inst Min	***	8.0 IMAx		Grab	1/day
Total Suspended Solids	Sample Measurement	2292	lbs/day	***	8	11	mg/L	24-Hr Composite	1/day
	Permit Measurement	14000 Avg Mo	***	***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Oil and Grease	Sample Measurement	<1371	lbs/day	***	<5	<5	mg/L	Grab	1/day
	Permit Measurement	5500 Avg Mo	***	***	15 Avg Mo	30 IMAx		Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	5.87	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite as N	Sample Measurement	***	***	***	4	5	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	9.87	9.87	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	8.12	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	.017	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Calcium, Total	Sample Measurement	***	***	***	<.0010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	.0053	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	<.003	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	.027	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	.0013	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Flow	Sample Measurement	32.89	MGD	***	***	***	***	Measred	Continuous
	Permit Measurement	Monitor & Report Avg Mo	***	***	Monitor & Report Avg Mo	***		Measred	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	.4	.77	mg/L	Grab	1/day
	Permit Measurement	***	***	***	5 Avg Mo	1.0 IMAx		Grab	1/day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter June 2017.doc	Cover Letter	2017-08-28T11:17:23-04:00	
Daily Influent Monitoring Form-07-2017.xlsx	Daily Effluent Monitoring Form	2017-08-25T12:51:27-04:00	Daily Influent Monitoring Form-07-2017
Daily Effluent Monitoring Form-07-2017.xlsx	Daily Effluent Monitoring Form	2017-08-25T12:51:03-04:00	
DMR Laboratory Accreditation-WRTP-07-2017.doc	Laboratory Accreditation Form	2017-08-25T12:58:34-04:00	
DMR Laboratory Accreditation-ALS-07-2017.doc	Laboratory Accreditation Form	2017-08-25T12:58:17-04:00	
Hauled In Municipal Waste_07-2017.xls	Hauled-In Municipal Waste Form	2017-08-25T12:58:45-04:00	
Hauled In Residual Wastes_07-2017.xls	Hauled-In Residual Waste Form	2017-08-25T12:57:39-04:00	
Influent and Process Control_07-2017.xls	Influent and Process Control Form	2017-08-25T12:58:54-04:00	
Sewage Sludge Biosolids Production and Disposal Form_07-2017.xls	Sewage Sludge Biosolids Production and Disposal Form	2017-08-25T12:59:59-04:00	
July 2017 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2017-08-25T13:00:13-04:00	Trucked Waste July 2017
Trucked Waste_July 2017.xlsx	Other	2017-08-25T12:56:21-04:00	
c80220_ALS_7-30-17.PDF	Laboratory Analytical Report	2017-08-25T12:55:28-04:00	
c80220_ALS_7-23-17.PDF	Laboratory Analytical Report	2017-08-25T12:52:19-04:00	
Effluent_WRTP_07-2017.pdf	Laboratory Analytical Report	2017-08-25T12:55:10-04:00	
c80220_ALS_7-20-17.PDF	Laboratory Analytical Report	2017-08-25T12:54:59-04:00	
c80220_ALS_7-18-17.PDF	Laboratory Analytical Report	2017-08-25T12:54:19-04:00	
c80220_ALS_7-13-17.PDF	Laboratory Analytical Report	2017-08-25T12:53:27-04:00	
c80220_ALS_7-6-17.PDF	Laboratory Analytical Report	2017-08-25T12:53:10-04:00	
c80220_ALS_7-9-17.PDF	Laboratory Analytical Report	2017-08-25T12:53:45-04:00	
c80220_ALS_7-11-17.PDF	Laboratory Analytical Report	2017-08-25T12:54:03-04:00	
Effluent_ALS_07-06-2017.PDF	Laboratory Analytical Report	2017-08-25T12:52:34-04:00	
Influent_WRTP_07-2017.pdf	Laboratory Analytical Report	2017-08-25T12:52:34-04:00	
WRTP_Sludge_07-2017.pdf	Laboratory Analytical Report	2017-08-25T12:52:29-04:00	
WRTP_ProcessControl_07-2017.pdf	Laboratory Analytical Report	2017-08-25T12:56:04-04:00	
c80220_ALS_7-27-17.PDF	Laboratory Analytical Report	2017-08-25T12:54:36-04:00	
c80220_ALS_7-16-17.PDF	Laboratory Analytical Report	2017-08-25T12:52:53-04:00	
c80220_ALS_7-2-17.PDF	Laboratory Analytical Report	2017-08-25T12:51:46-04:00	
Biweekly_ALS_7-24-17.PDF	Laboratory Analytical Report		

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
46879	07/01/2017	07/31/2017	Fecal Coliform	Instantaneous Maximum	2420	1000		001	Unknown	See attached comments	Plan to have Shift Foremen oversee operator during sampling to ensure proper technique.

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T403	610875523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE		DATE
	AREA CODE	NUMBER	
DISANTISM	Michael DiSantis	2017	8
	SUBMITTED BY FULL NAME	NUMBER	MO
		YEAR	DAY

*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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	07	01	TO	17	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							
Dichlorobromomethane	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 possibility 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: 08/28/17

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	07	01	TO	17	07	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory			23-00671			
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory			23-00671			
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory			23-00671			
pH		SM 4500 H+B		DELCORA - Central Laboratory			23-00671			
Ammonia as N		EPA 350.1		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 possibility 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: 08/28/2017

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: July Year: 2017
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	32.70			354	96,542	3505.00	0.90	478,451
2	29.51			152	37,409	3190.00	1.07	486,208
3	29.34	447	109,379	338	82,707	2940.00	0.95	502,903
4	33.00			282	69,355	3060.00	1.04	485,831
5	33.66	304	85,340	430	120,711	2750.00	0.98	368,854
6	37.65			504	158,257	2735.00	0.73	452,506
7	40.44			100	33,727	4095.00	0.77	456,716
8	35.16			168	49,263	4075.00	0.82	374,917
9	30.10			118	29,622	3730.00	1.12	360,746
10	30.35	461	116,688	340	86,060	2720.00	1.80	272,042
11	29.72			380	94,189	3245.00	2.50	401,384
12	30.51	209	53,181	336	85,496	3540.00	2.99	408,535
13	30.33			228	57,673	3675.00	1.40	355,449
14	36.64			392	119,786	3870.00	0.83	225,146
15	31.64			212	55,942	4490.00	1.22	419,812
16	29.42			162	39,749	4345.00	2.81	407,726
17	29.49	371	91,246	386	94,935	4105.00	1.31	411,810
18	29.86			388	96,625	4445.00	0.62	363,152
19	28.91	242	58,348	258	62,206	5000.00	0.63	498,861
20	28.27			256	60,358	4240.00	0.62	489,825
21	29.67			392	97,000	4185.00	0.67	498,623
22	28.15			244	57,284	4095.00	0.64	433,683
23	31.58			164	43,194	4005.00	0.76	371,533
24	51.51	223	95,799	346	148,639	2315.00	0.68	359,907
25	47.86			292	116,553	3115.00	0.67	470,167
26	41.23	121	41,607	114	39,200	3300.00	0.73	451,992
27	40.04			240	80,144	3326.00	0.61	480,931
28	34.69			296	85,637	3130.00	0.61	455,768
29	39.52			214	70,534	2870.00	0.72	431,756
30	30.80			162	39,045	3355.00	1.24	275,580
31	31.30	161	42,028	246	64,216	2820.00	0.88	439,508
Avg	33,647	282	77,068	273	76,518	3,557	1	415,817
Max	51.51	461	116,688	504	158,257	5,000	3	502,903

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 License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 8/28/2017

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Month: July Year: 2017
 NPDES Permit No.: PA0027103
 Renewal application due **180** days prior to expiration.
 This permit will expire on: **April 30, 2018**

County: Delaware

Day	SEPTAGE			SLUDGE			OTHER (specify):			Holding Tank		DAILY TOTALS		
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)
1	11400			96000			35500			Headworks	142,900	0		
2										Headworks				
3	42200			108137			71750			Headworks	222,087	0		
4										Headworks				
5	50800			147236			84150			Headworks	282,186	0		
6	65350			133250			68700			Headworks	267,300	0		
7	68332			93625			54300			Headworks	216,257	0		
8	15300			19500			21100			Headworks	55,900	0		
9										Headworks				
10	37250			125700			78800			Headworks	241,750	0		
11	26800			193548			66900			Headworks	287,248	0		
12	39250			106681			55050			Headworks	200,981	0		
13	50650			156295			72800			Headworks	279,745	0		
14	48850			102224			49000			Headworks	200,074	0		
15	12660			26800			28100			Headworks	67,560	0		
16										Headworks				
17	30300			160648			56951			Headworks	247,899	0		
18	27650			145804			106800			Headworks	280,254	0		
19	32050			157305			80400			Headworks	269,755	0		
20	43050			88005			56400			Headworks	187,455	0		
21	49889			75284			79193			Headworks	204,366	0		
22	19950						24950			Headworks	44,900	0		
23										Headworks				
24	46950			111885			55750			Headworks	214,585	0		
25	70200			129067			45650			Headworks	244,917	0		
26	47750			141744			53829			Headworks	243,323	0		
27	49100			95285			44550			Headworks	188,935	0		
28	46300			85724			56000			Headworks	188,024	0		
29	24100						14100			Headworks	38,200	0		
30										Headworks				
31	50000			90309			45450			Headworks	185,759	0		
Avg	40,245			112,611			56,247			Monthly Totals:	5,002,360	0		

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 8/28/2017

Facility Name: DELCO RA STP
Municipality: City of Chester
Watershed: 302
Laboratory: DELCO RA: ALS Environmental

County: Delaware
Permit No.: PA6027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Month: 7 (label number)
Year: 2017
Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Start Date	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD20	TSS	TSS	TDS	Oil and Grease	TNC	NH3-N	NO2-N	NO3-N	TKN	Total Copper	Total Lead
1	Sat	7/1/17	30.28	8.70	6.78	4	18	93.05	9	82.32	422	5	0.08	2.44	2	0.33	5.4	0.0053	<
1	Sun	7/2/17	27.65	12.00	6.69	7	15	93.05	7	80.3	810	5	0.77	9.16	2	0.5	11.95	0.0053	<
1	Mon	7/3/17	27.81	11.00	6.49	7	15	93.05	7	80.3	810	5	0.77	9.16	2	0.5	11.95	0.0053	<
1	Tue	7/4/17	30.80	7.90	6.73	6	11	94.25	9	85.63	586.00	5	0.57	5.42	2	0.4	8.12	0.0053	<
1	Wed	7/5/17	31.46	6.30	6.62	6	9	97.65	12	91.00	671.00	5	0.52	5.42	2	0.4	8.12	0.0053	<
1	Thu	7/6/17	35.26	5.20	6.94	6	20	97.65	12	91.00	572.00	5	0.60	5.42	2	0.4	8.12	0.0053	<
1	Fri	7/7/17	34.83	28.80	6.90	6	9	97.65	9	91.00	97.00	5	0.81	5.42	2	0.4	8.12	0.0053	<
1	Sat	7/8/17	33.91	23.30	6.81	5	7	95.08	7	96.61	96.61	5	0.40	5.42	2	0.4	8.12	0.0053	<
1	Sun	7/9/17	29.61	5.20	6.63	4	4	93.08	4	96.61	96.61	5	0.38	5.42	2	0.4	8.12	0.0053	<
2	Mon	7/10/17	28.85	14.20	6.55	4	5	97.27	5	98.18	98.18	5	0.21	5.42	2	0.4	8.12	0.0053	<
2	Tue	7/11/17	28.98	22.00	7.00	5	13	95.62	6	98.21	98.21	5	0.28	5.42	2	0.4	8.12	0.0053	<
2	Wed	7/12/17	28.90	28.80	6.91	4	4	96.05	6	98.45	98.45	5	0.37	5.42	2	0.4	8.12	0.0053	<
2	Thu	7/13/17	28.28	13.20	6.93	3	2	96.05	6	98.45	98.45	5	0.39	5.42	2	0.4	8.12	0.0053	<
2	Fri	7/14/17	36.77	6.30	6.90	7	8	96.61	8	98.45	98.45	5	0.34	5.42	2	0.4	8.12	0.0053	<
2	Sat	7/15/17	32.75	14.60	6.99	6	10	96.61	8	98.45	98.45	5	0.32	5.42	2	0.4	8.12	0.0053	<
2	Sun	7/16/17	29.10	3.00	6.95	5	2	95.62	6	98.45	98.45	5	0.28	5.42	2	0.4	8.12	0.0053	<
3	Mon	7/17/17	29.22	2.00	6.69	5	6	95.62	6	98.45	98.45	5	0.28	5.42	2	0.4	8.12	0.0053	<
3	Tue	7/18/17	28.95	1.90	6.55	6	22	95.62	4	98.45	98.45	5	0.28	5.42	2	0.4	8.12	0.0053	<
3	Wed	7/19/17	28.90	6.30	6.58	6	4	97.24	4	98.45	98.45	5	0.44	5.42	2	0.4	8.12	0.0053	<
3	Thu	7/20/17	28.24	8.90	6.98	4	4	97.24	4	98.45	98.45	5	0.44	5.42	2	0.4	8.12	0.0053	<
3	Fri	7/21/17	28.24	8.40	6.98	4	4	97.24	4	98.45	98.45	5	0.44	5.42	2	0.4	8.12	0.0053	<
3	Sat	7/22/17	28.24	8.40	6.98	4	4	97.24	4	98.45	98.45	5	0.44	5.42	2	0.4	8.12	0.0053	<
3	Sun	7/23/17	28.24	8.40	6.98	4	4	97.24	4	98.45	98.45	5	0.44	5.42	2	0.4	8.12	0.0053	<
4	Mon	7/24/17	30.67	13.20	6.97	4	15	95.98	5	96.54	96.54	5	0.16	5.42	2	0.4	8.12	0.0053	<
4	Tue	7/25/17	48.74	24.60	6.78	13	68	93.05	15	94.18	442.00	5	0.57	5.42	2	0.4	8.12	0.0053	<
4	Wed	7/26/17	41.52	53.70	6.53	14	7	93.05	11	94.18	528.00	5	0.58	5.42	2	0.4	8.12	0.0053	<
4	Thu	7/27/17	39.59	23.50	6.92	7	58	93.78	9	94.35	513.00	5	0.57	5.42	2	0.4	8.12	0.0053	<
4	Fri	7/28/17	34.29	17.30	7.02	8	9	95.79	9	94.35	483.00	5	0.40	5.42	2	0.4	8.12	0.0053	<
4	Sat	7/29/17	38.69	6.30	7.22	7	9	96.12	5	95.71	483.00	5	0.41	5.42	2	0.4	8.12	0.0053	<
4	Sun	7/30/17	26.62	3.10	7.08	3	9	96.12	5	95.71	511.00	5	0.41	5.42	2	0.4	8.12	0.0053	<
5	Mon	7/31/17	30.89	8.40	6.92	5	5	97.95	6	97.95	511.00	5	0.41	5.42	2	0.4	8.12	0.0053	<

Statistics for DMR:
 Daily Minimum Conc.: 1
 Daily Maximum Conc.: 2419.6
 Max Avg Weekly Conc.: 7.22
 Avg Weekly Conc.: 6.49
 Operating Hours (Conc.): 13
 Max Avg Weekly Load: 3076
 Max Daily Load: 16333
 Total Monthly Load: 16333
 Daily Maximum Load: 587
 Daily Minimum Load: 26828

Lately 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 made the system or those persons directly responsible for gathering the information submitted, to the best of my knowledge and belief, this document and contents, 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. § 3904 (relating to unsworn affidavits).

Prepared By: Michael Disantis
 Title: Dir. Of Operations and Maintenance
 License No.: T0403
 Date: 8/29/2017



CSO SUPPLEMENTAL REPORT MONTHLY INSPECTION REPORT

Facility Name: Delaware County Regional Water Quality Control Authority Month: July Year: 2017
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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	Yes	

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: 8/3/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, September 27, 2017 2:32 PM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; 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: 08/01/2017-08/31/2017
Report Due Date: 09/28/2017

Submitted By: Michael DiSantis
Submission Id: 68804
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 27, 2017

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 DELCOA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for August, 2017. We regret to report that there were two violations during the month for exceeding the maximum fecal coliform limit of 1,000 cfu/100 ml with results of 2,420 cfu/100 ml and 24,191 cfu/100 ml on 8/5/17 and 8/23/17, respectively.

Parameter averages for August, 2017 were: Flow – 32.19 MGD; cBOD₅ – 9 mg/l; TSS – 10 mg/L; cBOD₂₀ % removal – 94.8 %; and cBOD₂₀ loading – 9,929 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2017	08	01	2017	08	31

FROM

PARAMETERS REPORTED VALUES

PARAMETER	Sample Measurement	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
pH	Sample Measurement	7.34						Grab	1/day
	Permit Measurement	6.0 IMAx						Grab	1/day
Total Suspended Solids	Sample Measurement	2860	lbs/day	10	11			24-Hr Composite	1/day
	Permit Measurement	11000 Avg Mo		30 Wky Avg	45 Wky Avg			24-Hr Composite	1/day
Oil and Grease	Sample Measurement	<1342	lbs/day	<5	<5			Grab	1/day
	Permit Measurement	5600 Avg Mo		15 Avg Mo	30 IMAx			Grab	1/day
Ammonia-Nitrogen	Sample Measurement	18.43		18.43	***			24-Hr Composite	2/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	2/month
Nitrite as N	Sample Measurement	.35		.22	.35			24-Hr Composite	2/month
	Permit Measurement	***		Monitor & Report Avg Mo	Monitor & Report Daily Max			24-Hr Composite	2/month
Nitrate as N	Sample Measurement	.34		.34	.35			24-Hr Composite	2/month
	Permit Measurement	***		Monitor & Report Avg Mo	Monitor & Report Daily Max			24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	19.83		19.83	***			24-Hr Composite	2/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	.027		.027	***			24-Hr Composite	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	<.005		<.005	***			Grab	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			Grab	1/month
Cadmium, Total	Sample Measurement	<.001		<.001	***			24-Hr Composite	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	1/month
Copper, Total	Sample Measurement	.0083		.0083	***			24-Hr Composite	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	1/month
Lead, Total	Sample Measurement	<.0030		<.0030	***			24-Hr Composite	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	1/month
Zinc, Total	Sample Measurement	.0430		.0430	***			24-Hr Composite	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	<.005		<.005	***			Grab	1/month
	Permit Measurement	***		Monitor & Report Avg Mo	***			Grab	1/month
Flow	Sample Measurement	32.19	MGD	55.18	***			Metered	Continuous
	Permit Measurement	Monitor & Report Daily Max		***	***			Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	.5		.5	.7			Grab	1/day
	Permit Measurement	***		5 Avg Mo	1.0 IMAx			Grab	1/day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Daily Effluent Monitoring Form_08-2017.xlsx	Daily Effluent Monitoring Form	2017-09-27T12:53:23-04:00	
Daily Influent Monitoring Form_08-2017.xlsx	Daily Influent Monitoring Form	2017-09-27T12:53:52-04:00	Daily Influent Monitoring Form-08-2017
Effluent_ALS_08-01-2017.PDF	Laboratory Analytical Report	2017-09-27T12:54:28-04:00	
e80020_ALS_9-3-17.PDF	Laboratory Analytical Report	2017-09-27T12:56:14-04:00	
e80020_ALS_9-8-17.PDF	Laboratory Analytical Report	2017-09-27T12:57:00-04:00	
e80020_ALS_9-10-17.PDF	Laboratory Analytical Report	2017-09-27T12:57:21-04:00	
e80020_ALS_9-31-17.PDF	Laboratory Analytical Report	2017-09-27T13:02:02-04:00	
e80020_ALS_9-31-17.PDF	Laboratory Analytical Report	2017-09-27T13:01:33-04:00	
e80020_ALS_9-29-17.PDF	Laboratory Analytical Report	2017-09-27T13:03:15-04:00	
Hauled in Residual Wastes_08-2017.xls	Hauled in Residual Waste Form	2017-09-27T13:04:48-04:00	
DMR Laboratory Accreditation-WRTP-08-2017.doc	Laboratory Analytical Report	2017-09-27T13:05:28-04:00	
Sewage Sludge Biosolids Production and Disposal Form_08-2017.xls	Sewage Sludge / Biosolids Production and Disposal Form		
WRTP_Sludge_08-2017.pdf	Laboratory Analytical Report	2017-09-27T13:05:49-04:00	
DMR Cover Letter August 2017.doc	Cover Letter	2017-09-27T14:30:28-04:00	
Effluent_WRTP_08-2017.pdf	Laboratory Analytical Report	2017-09-27T12:54:47-04:00	
Influent_WRTP_08-2017.pdf	Laboratory Analytical Report	2017-09-27T12:55:17-04:00	
e80020_ALS_9-1-17.PDF	Laboratory Analytical Report	2017-09-27T12:55:51-04:00	
e80020_ALS_9-6-17.PDF	Laboratory Analytical Report	2017-09-27T12:56:36-04:00	
e80020_ALS_9-13-17.PDF	Laboratory Analytical Report	2017-09-27T12:56:58-04:00	
e80020_ALS_9-15-17.PDF	Laboratory Analytical Report	2017-09-27T12:58:29-04:00	
e80020_ALS_9-17-17.PDF	Laboratory Analytical Report	2017-09-27T12:58:59-04:00	
WRTP_ProcessControl_08-2017.pdf	Laboratory Analytical Report	2017-09-27T13:04:05-04:00	
Trucked Wastes_08-2017.xlsx	Other	2017-09-27T13:07:29-04:00	Trucked Waste_08-2017
Influent and Process Control_08-2017.xls	Influent and Process Control Form	2017-09-27T13:08:43-04:00	
August 2017 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2017-09-27T13:08:19-04:00	
Trucked Waste_08-2017.xlsx	Other	2017-09-27T13:08:43-04:00	Trucked Waste_08-2017
e80020_ALS_8-20-17.PDF	Laboratory Analytical Report	2017-09-27T12:59:53-04:00	
e80020_ALS_8-22-17.PDF	Laboratory Analytical Report	2017-09-27T13:00:16-04:00	
e80020_ALS_8-24-17.PDF	Laboratory Analytical Report	2017-09-27T13:00:43-04:00	
e80020_ALS_8-27-17.PDF	Laboratory Analytical Report	2017-09-27T13:01:10-04:00	
Hauled in Municipal Waste_08-2017.xls	Hauled in Municipal Waste Form	2017-09-27T13:02:45-04:00	
DMR Laboratory Accreditation-ALS-08-2017.doc	Laboratory Accreditation Form	2017-09-27T13:04:30-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
47884	08/01/2017	08/31/2017	Fecal Coliform	Instantaneous Maximum	24191	1000		001			

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Operator Name	Operator Certification Number	Operator Contact Number
Michael J. DiSantis	T0403	6108795523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE			DATE				
	AREA CODE	NUMBER	NUMBER		AREA CODE	NUMBER	YEAR	MO	DAY
DISANTISM	Michael DiSantis	2017	9	27				
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY		

*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 statement).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				17	08	01	TO 17 08 31
PARAMETER							
ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²		
Copper, Total		EPA 200.7			ALS Environmental		
Lead, Total		EPA 200.7			ALS Environmental		
Zinc, Total		EPA 200.7			ALS Environmental		
Dichlorobromomethane		EPA 624			ALS Environmental		
BOD20/cBOD20		SM5210 B			ALS Environmental		
Chlorodibromomethane		EPA 624			ALS Environmental		
TKN-N		EPA 351.2			ALS Environmental		
Ammonia as N		D6919-09			ALS Environmental		
Nitrate as N		EPA 300.0			ALS Environmental		
Total Cyanide		EPA 335.4			ALS Environmental		
Total Cadmium		200.7			ALS Environmental		
Nitrite as N		EPA 300.0			ALS Environmental		

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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 09/28/17

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	08	01	TO	17	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	SM4500-N-org B/SM4500-NH3 C	DELCORA - Central Laboratory	23-00671							
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671							
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671							
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671							
Ammonia as N	EPA 350.1	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 09/28/2017

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.



DEPARTMENT OF ENVIRONMENTAL PROTECTION
Supplemental Report - Influent & Process Control

Facility Name: DELCORA WRTP
Municipality: City of Chester
County: Delaware
Month: August
Year: 2017
Watershed: 3G
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	Influent					Process Control		
	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	30.51			470	119,593	3175.00	0.70	381722
2	33.27	394	109,324	460	127,637	2795.00	0.68	351157
3	31.33			340	88,839	3450.00	0.63	371324
4	30.01			342	85,597	3585.00	0.53	378425
5	37.87			138	43,585	3340.00	0.66	312111
6	29.68			148	36,635	3350.00	1.13	284580
7	42.19	166	58,410	112	39,409	3395.00	0.67	264541
8	34.44			477	137,009	3125.00	0.70	43200
9	30.49	451	114,683	380	96,629	3460.00	0.82	149828
10	29.86			272	67,737	3600.00	0.69	281262
11	29.64			344	85,036	3730.00	0.65	274738
12	30.40			200	50,707	3880.00	0.78	250804
13	28.11			166	38,917	3875.00	0.88	226557
14	29.76	404	100,272	340	84,387	3675.00	0.67	433773
15	31.87			238	63,259	3990.00	0.61	426014
16	29.48	297	73,021	324	79,660	4060.00	0.63	412802
17	29.25			382	93,187	4470.00	0.61	48058470
18	32.45			364	98,510	4725.00	0.47	43471190
19	31.45			230	60,327	3785.00	0.66	45479890
20	28.09			148	34,672	3635.00	0.87	467924
21	29.38	312	76,449	324	79,389	2895.00	0.76	366421
22	30.69			310	79,346	3040.00	0.83	182682
23	57.28	223	106,530	414	197,774	2575.00	1.22	227207
24	39.22			222	72,615	2910.00	0.84	126478
25	33.80			224	63,144	3470.00	0.86	422284
26	31.39			166	43,458	4645.00	0.90	505052
27	29.50			170	41,825	3990.00	1.02	482660
28	30.28	248	62,629	386	97,479	3440.00	0.79	414146
29	41.15			262	89,916	3580.00	0.80	360322
30	34.97	325	94,786	320	93,328	3520.00	0.65	386340
31	31.59			230	60,596	3890.00	0.68	143130
Avg	32.884	313	88,456	287	79,039	3,582	1	4,707,646
Max	57.28	451	114,683	477	197,774	4,725	1	48,058,470

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Prepared By: Micheal DiSantis
Title: Dir. Of Operations and Maintenance
License No.: T0403
Date: 9/28/2017



Supplemental Report - Hauled in Municipal Wastes

Facility Name: DEL CORA STP
 Municipality: City of Chester
 Watershed: 3G

County: Delaware

Month: August Year: 2017
 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	47900			Headworks	67905			Sludge Thickening	44400			Headworks	160,205	0
2	48750			Headworks	85405			Sludge Thickening	79850			Headworks	214,005	0
3	42300			Headworks	128604			Sludge Thickening	63610			Headworks	234,514	0
4	46250			Headworks	99104			Sludge Thickening	79300			Headworks	224,654	0
5	18060			Headworks	94400			Sludge Thickening	19000			Headworks	131,460	0
6	39550			Headworks	109276			Sludge Thickening	58570			Headworks	207,396	0
7	47930			Headworks	108380			Sludge Thickening	74400			Headworks	230,710	0
8	61900			Headworks	127892			Sludge Thickening	57850			Headworks	247,642	0
9	50750			Headworks	96880			Sludge Thickening	64050			Headworks	211,680	0
10	42350			Headworks	55000			Sludge Thickening	30200			Headworks	127,550	0
11	6300			Headworks				Sludge Thickening	22100			Headworks	28,400	0
12	27550			Headworks	96621			Sludge Thickening	78700			Headworks	202,871	0
13	65300			Headworks	93464			Sludge Thickening	41500			Headworks	200,264	0
14	36750			Headworks	113308			Sludge Thickening	51300			Headworks	201,358	0
15	47550			Headworks	79905			Sludge Thickening	78150			Headworks	205,605	0
16	20400			Headworks	84544			Sludge Thickening	43100			Headworks	148,044	0
17	6300			Headworks				Sludge Thickening	22200			Headworks	28,500	0
18	25500			Headworks	95783			Sludge Thickening	78650			Headworks	199,933	0
19	46550			Headworks	69688			Sludge Thickening	64100			Headworks	180,338	0
20	49550			Headworks	102585			Sludge Thickening	58430			Headworks	210,565	0
21	59100			Headworks	79205			Sludge Thickening	31100			Headworks	169,405	0
22	43700			Headworks	76317			Sludge Thickening	66360			Headworks	185,377	0
23	14600			Headworks				Sludge Thickening	36400			Headworks	51,000	0
24	42750			Headworks	85584			Sludge Thickening	73550			Headworks	201,884	0
25	37350			Headworks	122850			Sludge Thickening	164400			Headworks	324,600	0
26	60250			Headworks	94866			Sludge Thickening	91950			Headworks	247,066	0
27	35150			Headworks	120070			Sludge Thickening	63900			Headworks	219,120	0
28	39,644				95,318				60,597			Monthly Totals:	4,994,146	

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: Headworks
 Title: Dir. Operations and Maintenance

License No.: T0403
 Date: 9/28/2017

**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: 2017
 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	Yes	

*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: 9/8/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, October 27, 2017 11:19 AM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 09/01/2017-09/30/2017
Report Due Date: 10/28/2017

Submitted By: Michael DiSantis
Submission Id: 72462
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 27, 2017

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 September, 2017. We regret to report that there was one violation during the month for exceeding the maximum fecal coliform limit of 1,000 mpn/100 ml with a result of 2,420 mpn/100ml on 9/27/17. We have determined there was an issue with mixing in the chlorination addition chamber that we believe to be the cause for this and the other recent fecal violations and have corrected the issue.

Parameter averages for September, 2017 were: Flow – 28.53 MGD; cBOD₅ – 8 mg/l; TSS – 10 mg/L; cBOD₂₀ % removal – 95.05 %; and cBOD₂₀ loading – 8,050 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 989, CHESTER PA, 19016-0989
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD
FROM 2017 09 01 TO 2017 09 30

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

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	UNITS		
pH	Sample Measurement	6.69	7.27	S.U.	Grab	1/day
	Permit Measurement	6.0	IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	2346	10	mg/L	24-Hr Composite	1/day
	Permit Measurement	1000	35	Wkly Avg	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	1190	45	mg/L	Grab	1/day
	Permit Measurement	5500	30	IMAX	Grab	1/day
Ammonia-Nitrogen	Sample Measurement	11.94	11.94	mg/L	24-Hr Composite	2/month
	Permit Measurement	57	2.69	mg/L	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	32	34	mg/L	24-Hr Composite	2/month
	Permit Measurement	15.1	Monitor & Report Daily Max		24-Hr Composite	2/month
Nitrate as N	Sample Measurement	0.47	0.47	mg/L	24-Hr Composite	2/month
	Permit Measurement	4.0010	4.0010	mg/L	24-Hr Composite	1/month
Total Kjeldahl Nitrogen	Sample Measurement	0.110	0.110	mg/L	24-Hr Composite	1/month
	Permit Measurement	0.0030	0.0030	mg/L	24-Hr Composite	1/month
Cyanide, Total	Sample Measurement	0.011	0.011	mg/L	24-Hr Composite	1/month
	Permit Measurement	0.011	0.011	mg/L	24-Hr Composite	1/month
Chlorobromomethane	Sample Measurement	5	5	mg/L	Grab	1/day
	Permit Measurement	3	3	IMAX	Grab	1/day
Calcium, Total	Sample Measurement	35.83	35.83	mg/L	Metered	Continuous
	Permit Measurement	35.83	35.83	mg/L	Metered	Continuous
Copper, Total	Sample Measurement	0.011	0.011	mg/L	Grab	1/month
	Permit Measurement	0.011	0.011	mg/L	Grab	1/month
Lead, Total	Sample Measurement	0.011	0.011	mg/L	Grab	1/month
	Permit Measurement	0.011	0.011	mg/L	Grab	1/month
Zinc, Total	Sample Measurement	0.011	0.011	mg/L	Grab	1/month
	Permit Measurement	0.011	0.011	mg/L	Grab	1/month
Dichlorobromomethane	Sample Measurement	0.011	0.011	mg/L	Grab	1/month
	Permit Measurement	0.011	0.011	mg/L	Grab	1/month
Flow	Sample Measurement	35.83	35.83	MGD	Metered	Continuous
	Permit Measurement	35.83	35.83	Metered	Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	0.011	0.011	mg/L	Grab	1/day
	Permit Measurement	0.011	0.011	mg/L	Grab	1/day



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

Sample Measurement	Permit Measurement	802 Monitor & Report Daily Max	851 Monitor & Report Avg Mo	852 Monitor & Report Daily Max	mg/L	24-Hr Composite	5week 2/month
Total Dissolved Solids	***	***	***	***		24-Hr Composite	5week 2/month
Fecal Coliform	***	***	***	***	Na/100 ml	Grab	1day
	***	***	***	***		Grab	1day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	1942	2050	19	8	mg/L	24-Hr Composite	1day
Sample Measurement	7000	10500	29	9		24-Hr Composite	1day
Permit Measurement	8550	10500	19	9		24-Hr Composite	1week
Sample Measurement	10500	10500	19	9		24-Hr Composite	1week
Permit Measurement	10500	10500	19	9		24-Hr Composite	1week
Sample Measurement	95.05	95.05	95.05	95.05	%	24-Hr Composite	1week
Permit Measurement	88.25	88.25	88.25	88.25		24-Hr Composite	1week
Biochemical Oxygen Demand (BOD5)	78926	78926	324	324	mg/L	24-Hr Composite	1week
Sample Measurement	75449	75449	310	310		24-Hr Composite	1week
Permit Measurement	58014	58014	238	238		24-Hr Composite	1day
Sample Measurement	58014	58014	238	238		24-Hr Composite	1day
Permit Measurement	58014	58014	238	238		24-Hr Composite	1day
Facility Comments						24-Hr Composite	1day



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

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ATTACHMENT DETAILS

File Name	Attachment Type	Upload Time	Attachment Comment
DMR Cover Letter September 2017.doc	Cover Letter	2017-10-27T11:03:55-04:00	
Daily Influent Monitoring Form-09-2017.xlsx	Daily Influent Monitoring Form	2017-10-27T10:40:27-04:00	
Daily Effluent Monitoring Form-09-2017.xlsx	Daily Effluent Monitoring Form	2017-10-27T10:40:05-04:00	
DMR Laboratory Accreditation-ALS-09-2017.doc	Laboratory Accreditation Form	2017-10-27T10:47:06-04:00	
DMR Laboratory Accreditation-WRTP-09-2017.doc	Laboratory Accreditation Form	2017-10-27T10:47:27-04:00	
Hauled in Municipal Waste, 09-2017.xls	Hauled-in Municipal Waste Form	2017-10-27T10:44:35-04:00	
Hauled in Residual Wastes, 09-2017.xls	Hauled-in Residual Waste Form	2017-10-27T10:45:15-04:00	
Influent and Process Control, 09-2017.xls	Influent and Process Control Form	2017-10-27T10:47:48-04:00	
Sewage Sludge Biosolids Production and Disposal Form_09-2017.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-10-27T10:47:48-04:00	
September 2017 SVMIM Report.xlsx	CSO Detailer Outfall Report Form	2017-10-27T10:48:32-04:00	
Trucked Waste, 09-2017.xls	Other	2017-10-27T10:48:53-04:00	Trucked Waste_09-2017
WRTP_ProcessControl_09-2017.pdf	Laboratory Analytical Report	2017-10-27T10:48:10-04:00	
WRTP_ALS_9-26-17.PDF	Laboratory Analytical Report	2017-10-27T10:46:04-04:00	
g80D20_ALS_9-24-17.PDF	Laboratory Analytical Report	2017-10-27T10:43:12-04:00	
g80D20_ALS_9-19-17.PDF	Laboratory Analytical Report	2017-10-27T10:42:37-04:00	
g80D20_ALS_9-14-17.PDF	Laboratory Analytical Report	2017-10-27T10:42:01-04:00	
g80D20_ALS_9-12-17.PDF	Laboratory Analytical Report	2017-10-27T10:41:44-04:00	
g80D20_ALS_9-7-17.PDF	Laboratory Analytical Report	2017-10-27T10:41:07-04:00	
Influent_WRTP_09-2017.pdf	Laboratory Analytical Report	2017-10-27T10:41:12-04:00	
Effluent_WRTP_09-2017.pdf	Laboratory Analytical Report	2017-10-27T10:43:55-04:00	
Effluent_ALS_09-06-2017.PDF	Laboratory Analytical Report	2017-10-27T10:43:37-04:00	
g80D20_ALS_9-15-17.PDF	Laboratory Analytical Report	2017-10-27T10:41:24-04:00	
g80D20_ALS_9-17-17.PDF	Laboratory Analytical Report	2017-10-27T10:42:20-04:00	
g80D20_ALS_9-5-17.PDF	Laboratory Analytical Report	2017-10-27T10:40:47-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
48748	09/01/2017	09/30/2017	Fecal Coliform	Regulatory Maximum	2420	1000		001	Other	See attached comments	We have determined that there was an issue with proper mixing in the chlorination addition chamber that we believe caused this and other recent fecal exceedances.

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	BEP Notified	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSanis	T0403	610P76523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE		DATE
	AREA CODE	NUMBER	
DISANTISM	Michael DiSanis	2017	10
	SUBMITTED BY FULL NAME	NUMBER	MO
	AREA CODE	YEAR	DAY
	AREA CODE	NUMBER	DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	09	01	TO	17	09	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							
Dichlorobromomethane	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 10/28/17

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCTORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	09	01	TO	17	09	30
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
BOD5/cBOD5		SM5210 B		DELCTORA - Central Laboratory			23-00671			
TSS		SM 2540 D		DELCTORA - Central Laboratory			23-00671			
O&G		EPA 1664 A		DELCTORA - Central Laboratory			23-00671			
Total Residual Cl		SM4500-Cl G		DELCTORA - Central Laboratory			23-00671			
N-Nitrite		SM4500-NO2 B		DELCTORA - Central Laboratory			23-00671			
NH3-N		EPA 350.1		DELCTORA - Central Laboratory			23-00671			
TKN-N		SM4500-N-org B/SM4500-NH3 C		DELCTORA - Central Laboratory			23-00671			
Fecal Coliform		SM 9222 D		DELCTORA - Central Laboratory			23-00671			
BOD20/cBOD20		SM5210 B		DELCTORA - Central Laboratory			23-00671			
pH		SM 4500 H+B		DELCTORA - Central Laboratory			23-00671			
Ammonia as N		EPA 350.1		DELCTORA - Central Laboratory			23-00671			
TDS		SM 2540 C		DELCTORA - Central Laboratory			23-00671			

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Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 10/28/2017

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCO RA WRTP
Municipality: City of Chester
Watershed: 3G

County: Delaware

Month: September
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018
Year: 2017

Day	Influent					Process Control		
	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	30.15			326	81,973	3815.00	0.83	423838
2	34.79			196	56,869	3955.00	0.88	291976
3	32.14			130	34,846	3605.00	0.95	281875
4	29.43	122	29,944	158	38,780	2655.00	1.54	276469
5	30.93			396	102,151	2490.00	1.95	432657
6	37.32	344	107,070	452	140,684	3020.00	2.68	501056
7	35.55			252	74,715	3380.00	2.98	
8	30.76			330	84,658	4515.00	3.00	282033
9	29.15			194	47,164	3620.00	2.87	288416
10	29.32			218	53,307	3505.00	3.15	286540
11	29.19	290	70,599	320	77,902	3500.00	2.81	314107
12	29.67			244	60,377	3625.00	2.78	337291
13	30.11	281	70,564	262	65,793	3765.00	2.79	359964
14	29.00			414	100,130	3720.00	2.78	491711
15	28.15			460	107,995	4030.00	2.73	524243
16	28.71			230	55,072	4135.00	2.77	504722
17	28.46			178	42,249	3975.00	2.80	403218
18	28.18	294	69,096	330	77,557	3890.00	2.80	303593
19	28.96			328	79,221	3485.00	2.44	335809
20	28.78	324	77,768	386	92,650	2950.00	2.73	233196
21	28.73			376	90,093	3335.00	2.92	237722
22	27.80			458	106,188	3590.00	3.22	266622
23	26.37			274	60,260	3685.00	2.99	275279
24	26.94			204	45,835	4010.00	3.14	252445
25	27.37	546	124,633	348	79,436	3140.00	1.56	386216
26	27.51			458	105,080	3465.00	0.67	500654
27	27.66	389	89,736	406	93,658	3455.00	0.77	445631
28	27.10			384	86,789	4115.00	0.68	437765
29	26.11			388	84,490	3785.00	0.73	322319
30	24.20			186	37,540	4550.00	0.82	280317
31								
Avg	29.285	324	79,926	310	75,449	3,625	2	354,403
Max	37.32	546	124,633	460	140,684	4,550	3	524,243

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. Of Operations and Maintenance

License No.: T0403
Date: 10/28/2017

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

County: Delaware

Month: September Year: 2017
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 (lbs)	
1	34030			Headworks	82330			Headworks	182,060	0	
2	19600			Headworks				Headworks	41,000	0	
3				Headworks				Headworks			
4	48400			Headworks				Headworks	249,432	0	
5	47400			Headworks	110200			Headworks	268,995	0	
6	61150			Headworks	163245			Headworks	267,055	0	
7	73150			Headworks	145705			Headworks	181,194	0	
8	17200			Headworks	70564			Headworks	32,200	0	
9				Headworks				Headworks			
10	34600			Headworks	104405			Headworks	180,105	0	
11	48268			Headworks	106625			Headworks	209,993	0	
12	38203			Headworks	72248			Headworks	168,031	0	
13	46668			Headworks	78375			Headworks	215,943	0	
14	20200			Headworks	49360			Headworks	127,410	0	
15	10300			Headworks	95400			Headworks	122,800	0	
16				Headworks				Headworks			
17	47620			Headworks	85608			Headworks	174,128	0	
18	51400			Headworks	130585			Headworks	242,785	0	
19	60650			Headworks	82904			Headworks	208,704	0	
20	28550			Headworks	67905			Headworks	156,105	0	
21	40300			Headworks	129900			Headworks	246,150	0	
22	8800			Headworks				Headworks	23,750	0	
23	52203			Headworks	116948			Headworks	262,651	0	
24	30900			Headworks	100142			Headworks	171,651	0	
25	34450			Headworks	96262			Headworks	176,917	0	
26	33200			Headworks	135840			Headworks	223,090	0	
27	29650			Headworks	107788			Headworks	174,268	0	
28	4850			Headworks				Headworks	25,430	0	
29				Headworks				Headworks			
30				Headworks				Headworks			
31				Headworks				Headworks			
Avg	36,870				101,540				51,111		
									Monthly Totals:	4,331,847	

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: Headworks
Title: Dir. Operations and Maintenance

License No.: T0403
Date: 10/28/2017



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: 2017
 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 & Tlghman	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	No	
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: 10/9/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, November 28, 2017 8:12 PM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 10/01/2017-10/31/2017
Report Due Date: 11/28/2017

Submitted By: Michael DiSantis
Submission Id: 76577
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

November 28, 2017

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 October, 2017. All parameters were in compliance for the monthly reporting period. Please note that due to a lab error, there is no influent cBOD₅ result on October 9th.

Parameter averages for October, 2017 were: Flow – 29.64 MGD; cBOD₅ –9 mg/l; TSS – 12 mg/L; cBOD₂₀ % removal – 95.62%; and cBOD₂₀ loading – 6,534 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19315-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA0027403
PERMIT NUMBER

001
OUTFALL NUMBER

Reading Frequency: Monthly
DMR Effective From: 10/01/2017
DMR Effective To: 10/31/2017
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge? No

MONITORING PERIOD							
YEAR	MO	DAY	YEAR	MO	DAY		
FROM	2017	10	01	TO	2017	10	31

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
pH	Sample Measurement	***	***	6.82	***	7.25	Grab	1/day
	Permit Measurement	***	***	6.0	Inlet Min	8.0	IMAX	1/day
Total Suspended Solids	Sample Measurement	3046	4088	***	12	15	24-Hr Composite	1/day
	Permit Measurement	11000	15000	***	Avg Mo	Wkly Avg	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	41238	***	***	<5	<5	Grab	1/day
	Permit Measurement	5500	***	***	Avg Mo	IMAX	Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	12.7	***	24-Hr Composite	2/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	***	***	***	.5	.85	24-Hr Composite	2/month
	Permit Measurement	***	***	***	Monitor & Report	Daily Max	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	1.18	1.23	24-Hr Composite	2/month
	Permit Measurement	***	***	***	Monitor & Report	Daily Max	24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	14.5	***	24-Hr Composite	2/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	.042	***	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	1/month
Chlorobromomethane	Sample Measurement	***	***	***	<.001	***	Grab	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	<.001	***	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	.010	***	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	<.0300	***	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	.040	***	24-Hr Composite	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	.0014	***	Grab	1/month
	Permit Measurement	***	***	***	Monitor & Report	***	Grab	1/month
Flow	Sample Measurement	29.88	51.35	MGD	Avg Mo	***	Metered	Continuous
	Permit Measurement	***	***	***	Monitor & Report	***	Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	.5	.84	Grab	1/day
	Permit Measurement	***	***	***	Avg Mo	IMAX	Grab	1/day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Daily Effluent Monitoring Form-10-2017.xlsx	Daily Effluent Monitoring Form	2017-11-27T11:55:43-0500	
e80020_ALS_10-5-17.PDF	Laboratory Analytical Report	2017-11-27T12:05:47-0500	
Influent_WRT2_10-2017.pdf	Laboratory Analytical Report	2017-11-27T12:05:19-0500	
Hauled in Residual Waste_10-2017.xls	Hauled in Residual Waste Form	2017-11-27T12:06:08-0500	
Trucked Waste_10_2017.xlsx	Other	2017-11-27T12:08:34-0500	Trucked Waste_10_2017
Influent and Process Control_10-2017.xls	Influent and Process Control Form	2017-11-27T12:08:56-0500	
WRT2_ProcessControl_10-2017.pdf	Laboratory Analytical Report	2017-11-27T12:07:14-0500	
DMR Laboratory Accreditation-WRT2-10-2017.doc	Laboratory Accreditation Form	2017-11-27T12:07:56-0500	
WRT2_Sluidge_10-2017.pdf	Laboratory Analytical Report	2017-11-27T12:08:36-0500	
Daily Influent Monitoring Form-10-2017.xlsx	Daily Effluent Monitoring Form	2017-11-27T12:09:06-0500	
e80020_ALS_10-31-17.PDF	Laboratory Analytical Report	2017-11-27T12:09:24-0500	
Effluent_ALS_10-05-2017.PDF	Laboratory Analytical Report	2017-11-27T12:04:43-0500	
DMR Cover Letter October 2017.doc	Cover Letter	2017-11-28T12:01:12-0500	
10-October_2017 SWAMI Report.xlsx	CSO Detailed Outfall Report Form	2017-11-28T16:04:09-0500	
e80020_ALS_10-3-17.PDF	Laboratory Analytical Report	2017-11-27T12:00:30-0500	
e80020_ALS_10-4-17.PDF	Laboratory Analytical Report	2017-11-27T12:01:10-0500	
e80020_ALS_10-15-17.PDF	Laboratory Analytical Report	2017-11-27T12:01:56-0500	
e80020_ALS_10-16-17.PDF	Laboratory Analytical Report	2017-11-27T12:02:15-0500	
e80020_ALS_10-22-17.PDF	Laboratory Analytical Report	2017-11-27T12:02:37-0500	
e80020_ALS_10-24-17.PDF	Laboratory Analytical Report	2017-11-27T12:02:56-0500	
e80020_ALS_10-28-17.PDF	Laboratory Analytical Report	2017-11-27T12:03:06-0500	
e80020_ALS_10-10-17.PDF	Laboratory Analytical Report	2017-11-27T12:01:22-0500	
e80020_ALS_10-12-17.PDF	Laboratory Analytical Report	2017-11-27T12:01:38-0500	
e80020_ALS_10-26-17.PDF	Laboratory Analytical Report	2017-11-27T12:05:46-0500	
Effluent_WRT2_10-2017.pdf	Laboratory Analytical Report	2017-11-27T12:06:43-0500	
Hauled in Municipal Waste_10-2017.xls	Hauled in Municipal Waste Form	2017-11-27T12:06:43-0500	
DMR Laboratory Accreditation-ALS-10-2017.doc	Laboratory Accreditation Form	2017-11-27T12:07:34-0500	
Sewage Sludge Biosolids Production and Disposal Form_10-2017.xls	Sewage Sludge/ Biosolids Production and Disposal Form	2017-11-27T12:08:17-0500	

PERMIT VIOLATIONS

Permit Violation ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause of NC	Corrective Action	Comments	
UNAUTHORIZED DISCHARGES												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	CEP Notified	Comments
OTHER PERMIT VIOLATIONS												
Non Compliance ID	Stage Code (Sampling Point)		Reported Parameter		Non Compliance Type		Comments					

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	6108765523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE	DATE
DISANTISM	Michael DiSantis	11 28
	SUBMITTED BY FULL NAME	YEAR MO DAY
	AREA CODE NUMBER	2017 11 28
	AREA CODE NUMBER	MO DAY

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, effective January 16, 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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	10	01	TO	17	10	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory			23-00671			
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory			23-00671			
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory			23-00671			
pH		SM 4500 H+B		DELCORA - Central Laboratory			23-00671			
Ammonia as N		EPA 350.1		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 11/28/2017

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.



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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

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Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	10	01	TO	17	10	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 11/28/17

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.

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Month: October Year: 2017
 NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

County: Delaware

Day	Influent				Process Control			
	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	24.71			186	38,331	4115.00	0.86	311744
2	25.56	367	78,234	344	73,331	3110.00	0.76	458568
3	26.39			466	102,563	3215.00	0.74	441042
4	27.89	470	109,323	622	144,679	3670.00	0.71	513318
5	27.17			438	99,250	3635.00	0.59	505764
6	26.67			570	126,784	3535.00	0.67	482930
7	31.58			228	60,050	3650.00	0.67	300554
8	32.48			182	49,301	3140.00	0.76	421510
9	41.33	300	103,408	454	156,490	2860.00	0.50	390232
10	33.41			638	177,772	2830.00	0.71	454291
11	33.08	290	80,007	718	198,087	3135.00	0.75	378353
12	36.73			512	156,840	3140.00	0.88	307121
13	28.85			398	95,762	3115.00	0.90	363212
14	28.81			268	64,394	3035.00	0.88	437681
15	30.01			182	45,552	3615.00	0.99	415168
16	28.10	328	76,868	288	67,494	3050.00	0.85	353032
17	27.96			326	76,019	3490.00	0.70	233205
18	29.44	385	94,529	352	86,426	4135.00	0.70	429202
19	27.91			346	80,538	5215.00	0.66	461985
20	25.70			366	78,448	4180.00	0.67	500813
21	26.19			336	73,391	4090.00	0.73	487924
22	26.53			196	43,367	2175.00	2.05	485831
23	27.37	308	70,306	378	86,284	2995.00	2.44	484705
24	31.11			450	116,756	3050.00	2.05	478866
25	27.70	516	119,205	454	104,882	3160.00	2.59	458529
26	25.67			506	108,328	3505.00	2.87	199775
27	26.24			576	126,053	3555.00	2.81	443204
28	26.50			286	63,209	6050.00	2.91	312652
29	47.65			276	109,683	5475.00	3.17	398449
30	51.13	152	64,816	240	102,342	2510.00	4.72	398914
31	33.91			272	76,924	3835.00	4.14	372270
Avg	30.445	346	88,522	382	96,430	3,557	1	409,059
Max	51.13	516	119,205	718	198,087	6,050	5	513,318

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Prepared By: Michael DiSantis License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 11/28/2017



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCO RA STP
Municipality: City of Chester
Watershed: 3G

County: Delaware

Month: October
NPDES Permit No.: PA0027103

Year: 2017

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)
1				Headworks				Headworks			
2	57150			Headworks	95840			Sludge Thickening	61242		214,232
3	58875			Headworks	104000			Sludge Thickening	48300		211,175
4	53800			Headworks	121000			Sludge Thickening	41027		215,827
5	59200			Headworks	173140			Sludge Thickening	59950		292,290
6	58900			Headworks	69000			Sludge Thickening	48550		176,450
7	14900			Headworks	95800			Sludge Thickening	35533		146,233
8				Headworks				Sludge Thickening			
9	30100			Headworks	66340			Sludge Thickening	59310		155,750
10	23135			Headworks	111780			Sludge Thickening	53100		188,015
11	44846			Headworks	99100			Sludge Thickening	58585		202,531
12	46586			Headworks	75100			Sludge Thickening	68527		190,213
13	75097			Headworks	86700			Sludge Thickening	44850		206,647
14				Headworks				Sludge Thickening	22630		22,630
15				Headworks				Sludge Thickening			
16	55000			Headworks	97650			Sludge Thickening	56232		207,882
17	38650			Headworks	124960			Sludge Thickening	43950		207,560
18	38472			Headworks	106000			Sludge Thickening	49450		193,922
19	37050			Headworks	97000			Sludge Thickening	31100		165,150
20	28382			Headworks	100837			Sludge Thickening	58287		187,506
21	8250			Headworks				Sludge Thickening	25574		33,824
22				Headworks				Sludge Thickening			
23	61200			Headworks	107440			Sludge Thickening	52700		221,340
24	69216			Headworks	98900			Sludge Thickening	88117		256,233
25	45300			Headworks	111500			Sludge Thickening	53230		210,030
26	36950			Headworks	78227			Sludge Thickening	41000		156,177
27	33550			Headworks	106440			Sludge Thickening	55500		195,490
28	6650			Headworks				Sludge Thickening	34332		40,982
29				Headworks				Sludge Thickening			
30	49650			Headworks	130940			Sludge Thickening	105487		286,077
31	57450			Headworks	129500			Sludge Thickening	71200		258,150
Avg	43,534				103,791				52,568		4,842,316
									Monthly Totals:		

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Prepared By: Headworks
Title: Dir. Operations and Maintenance

License No.: T0403
Date: 11/28/2017



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELORA STP
Municipality: City of Chester
Watershed: 3G

County: Delaware

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

Year: 2017

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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 (lbs)	
1				Headworks				Headworks			
2				Headworks				Headworks	111,800	0	111,800
3				Headworks				Headworks	188,600	0	188,600
4				Headworks				Headworks	167,900	0	167,900
5				Headworks				Headworks	136,900	0	136,900
6				Headworks				Headworks	140,550	0	140,550
7				Headworks				Headworks			
8				Headworks				Headworks			
9				Headworks			93800	Headworks	93800	0	93,800
10				Headworks			131800	Headworks	131800	0	131,800
11				Headworks			181500	Headworks	181500	0	181,500
12				Headworks			156100	Headworks	156100	0	156,100
13				Headworks			141100	Headworks	141100	0	141,100
14				Headworks			8700	Headworks	8700	0	8,700
15				Headworks				Headworks			
16				Headworks			57900	Headworks	57900	0	57,900
17				Headworks			103800	Headworks	103800	0	103,800
18				Headworks			145211	Headworks	145211	0	145,211
19				Headworks			161800	Headworks	161800	0	161,800
20				Headworks			84435	Headworks	84435	0	84,435
21				Headworks			15000	Headworks	15000	0	15,000
22				Headworks			63700	Headworks	63700	0	63,700
23				Headworks			119900	Headworks	119900	0	119,900
24				Headworks			92817	Headworks	92817	0	92,817
25				Headworks			102000	Headworks	102000	0	102,000
26				Headworks			146200	Headworks	146200	0	146,200
27				Headworks				Headworks			
28				Headworks				Headworks			
29				Headworks				Headworks			
30				Headworks			89100	Headworks	89100	0	89,100
31				Headworks			118350	Headworks	118350	0	118,350
Avg							114,957	Monthly Totals:	2,758,963		

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

License No.: T0403
Date: 11/28/2017

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
 Municipality: City of Chester
 Watershed: Delaware
 Laboratories: DELCORA; ALS Environmental

Month: 10 (select number)
 Year: 2017
 Permit No.: PA0027103
 Outfall: 001
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Week	Day	Flow MGD	Fecl Coliform CFU/100 ml	pH	CBOD5 mg/L	CBOD20 mg/L	CBOD26 %	TSS mg/L	TSS %	TDS mg/L	Oil and Grease mg/L	TRC mg/L	NH3-N mg/L	NO3-N mg/L	NO2-N mg/L	TKN mg/L	Total Copper mg/L	Total Lead mg/L
1	Sun	10/1/17	23.81	8.84	6	5.20	7	95.24	553.00	<	5	0.84						
	Mon	10/2/17	25.95	7.08	9	14.40	11	95.80	934.00	<	5	0.50					0.0110	<
	Tue	10/3/17	25.47	7.10	11	90.90	13	97.21	780.00	<	5	0.24						
	Wed	10/4/17	27.19	7.14	10	128.90	10	95.60	855.00	<	5	0.24						
	Thu	10/5/17	26.54	7.16	10	105.50	14	97.54	855.00	<	5	0.40						
	Fri	10/6/17	26.02	7.11	12	113.20	12	96.74	861.00	<	5	0.61						
	Sat	10/7/17	31.61	7.08	5	103.40	14	92.31	608.00	<	5	0.27						
	Sun	10/8/17	40.12	7.08	20	111.80	24	94.71	608.00	<	5	0.16						
	Mon	10/9/17	39.94	7.07	18	186.30	18	97.18	613.00	<	5	0.24						
	Tue	10/10/17	31.94	7.09	11	17.90	16	97.77	846.00	<	5	0.72						
	Wed	10/11/17	25.90	7.09	8	38	11	97.65	841.00	<	5	0.39						
	Thu	10/12/17	27.85	7.15	8	6.80	9	96.27	841.00	<	5	0.53						
	Fri	10/13/17	28.00	7.13	6	2.00	10	94.51	894.00	<	5	0.74						
	Sat	10/14/17	28.00	7.21	4	3.00	10	94.51	894.00	<	5	0.67						
	Sun	10/15/17	27.48	6.88	7	2.00	12	95.85	626.00	<	5	0.21						
	Mon	10/16/17	26.84	7.04	17	2.00	17	94.79	747.00	<	5	0.57						
	Tue	10/17/17	28.72	7.11	13	10.50	15	95.74	765.00	<	5	0.82						
	Wed	10/18/17	27.73	7.09	11	10.50	12	95.53	740.00	<	5	0.81						
	Thu	10/19/17	25.99	7.03	18	17.30	15	95.90	740.00	<	5	0.96						
	Fri	10/20/17	28.89	6.94	10	8.50	10	97.02	824.00	<	5	0.56						
	Sat	10/21/17	26.84	7.15	8	11.00	10	97.02	824.00	<	5	0.56						
	Sun	10/22/17	26.84	7.15	8	11.00	10	97.02	824.00	<	5	0.56						
	Mon	10/23/17	26.84	7.14	8	11.00	10	97.02	824.00	<	5	0.56						
	Tue	10/24/17	27.08	7.14	11	35.50	13	97.33	783.00	<	5	0.33						
	Wed	10/25/17	24.57	7.03	7	13.10	7	98.46	783.00	<	5	0.28						
	Thu	10/26/17	24.57	7.09	6	3.10	8	98.42	800.00	<	5	0.28						
	Fri	10/27/17	26.07	7.25	6	35.50	10	96.26	800.00	<	5	0.28						
	Sat	10/28/17	26.47	7.14	7	53.80	10	96.60	800.00	<	5	0.28						
	Sun	10/29/17	45.26	7.03	7	43.20	9	96.74	862.00	<	5	0.71						
	Mon	10/30/17	51.35	6.62	8	29.50	12	95.00	370.00	<	5	0.49						
	Tue	10/31/17	33.85	7.07	7	17.10	10	96.32	858.00	<	5	0.33						

Parameter	Flow	Fecl Coliform	pH	CBOD5	CBOD20	CBOD26	TSS	TSS	TDS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead
Daily Minimum (Cons.)	2	2	6.82	4	12	93.1	7	92.31	379	<	5	0.16	1.08	0.35	12.5	0.011	<
Daily Maximum (Cons.)	11190	11190	7.25	20	41	97.57	24	98.46	835	<	5	0.84	1.23	0.85	12.5	0.011	<
Max Avg Weekly (Cons.)	11	11	7.14	9	26	95.62	12	97.26	223	<	5	0.5	1.16	0.6	14.5	0.011	<
Avg Monthly (Cons.)	29	29	7.11	9	26	95.62	12	96.46	688	<	5	0.5	1.16	0.6	14.5	0.011	<
Daily Minimum (Lab.)	2888	2888	6.82	4	12	93.1	7	92.31	379	<	5	0.16	1.08	0.35	12.5	0.011	<
Avg Monthly (Lab.)	2538	2538	7.07	9	26	95.62	12	97.26	223	<	5	0.5	1.16	0.6	14.5	0.011	<
Total Monthly (Lab.)	73103	73103	7.11	26	11460	95.62	12	96.46	688	<	5	0.5	1.16	0.6	14.5	0.011	<
Daily Minimum (Lab.)	23.81	23.81	6.82	4	12	93.1	7	92.31	379	<	5	0.16	1.08	0.35	12.5	0.011	<
Daily Maximum (Lab.)	51.35	51.35	7.25	20	41	97.57	24	98.46	835	<	5	0.84	1.23	0.85	12.5	0.011	<

Prepared By: Michael DiSantis
 Title: Dir. Of Operations and Maintenance
 License No.: T0403
 Date: 11/28/2017

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**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: October Year: 2017
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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	
010	5th & Pusey	Yes	Total overflow from Outfalls 009 and 010
011	2nd & Parker	Yes	Discharges to Outfall 009 Regulator
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	Yes	

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

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Prepared By: Michael J. DiSantis License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 11/28/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, December 28, 2017 7:05 AM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 11/01/2017-11/30/2017
Report Due Date: 12/28/2017

Submitted By: Michael DiSantis
Submission Id: 79847
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 28, 2017

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 November, 2017. All parameters were in compliance for the monthly reporting period.

Parameter averages for November, 2017 were: Flow – 28.34 MGD; cBOD₅ – 12 mg/l; TSS – 13 mg/L; cBOD₂₀ % removal – 95.66%; and cBOD₂₀ loading – 7,109 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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	TO
2017	11	01	30

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

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
pH	Sample Measurement	***	***	6.76	***	S.U.	Grab	1/day
	Permit Measurement	***	***	6.0 Inst Min	***	6.0 MAX	Grab	1/day
Total Suspended Solids	Sample Measurement	3109	3507	***	13	mg/L	24-Hr Composite	1/day
	Permit Measurement	1000 Avg Mo	1650 WQV Avg	***	30	WQV Avg	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	<1182	***	***	<5	mg/L	Grab	1/day
	Permit Measurement	5000 Avg Mo	***	***	15	30 MAX	Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	13.5	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***	***	25	Monitor & Report Avg Mo	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	***	***	***	2.7	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***	***	2.21	Monitor & Report Daily Max	24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	17.5	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***	***	.08	Monitor & Report Avg Mo	24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	<.0010	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	<.005	Monitor & Report Avg Mo	24-Hr Composite	1/month
Chlorobromofluorobenzene	Sample Measurement	***	***	***	.025	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	<.0150	Monitor & Report Avg Mo	24-Hr Composite	1/month
Cadmium, Total	Sample Measurement	***	***	***	.029	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	.013	Monitor & Report Avg Mo	24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	***	Grab	1/month
	Permit Measurement	***	***	***	***	***	Grab	1/month
Lead, Total	Sample Measurement	***	***	***	***	***	Molard	Continuous
	Permit Measurement	***	***	***	***	***	Molard	Continuous
Zinc, Total	Sample Measurement	28.34	33.98	MGD	4	mg/L	Grab	1/day
	Permit Measurement	***	***	***	1.0 MAX	***	Grab	1/day
Dichlorobromofluorobenzene	Sample Measurement	***	***	***	***	***	***	***
	Permit Measurement	***	***	***	***	***	***	***
Fluor	Sample Measurement	***	***	***	***	***	***	***
	Permit Measurement	***	***	***	***	***	***	***
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	***	***	***
	Permit Measurement	***	***	***	***	***	***	***



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Daily Effluent Monitoring Form-11-2017.xlsx	Daily Effluent Monitoring Form	2017-12-27T15:55:51-05:00	
Influent_WRTF_11-2017.pdf	Laboratory Analytical Report	2017-12-27T15:57:11-05:00	
eBOD20_ALS_11-2-17.PDF	Laboratory Analytical Report	2017-12-27T15:57:46-05:00	
eBOD20_ALS_11-14-17.PDF	Laboratory Analytical Report	2017-12-27T15:58:23-05:00	
eBOD20_ALS_11-14-17.PDF	Laboratory Analytical Report	2017-12-27T15:58:54-05:00	
eBOD20_ALS_11-19-17.PDF	Laboratory Analytical Report	2017-12-27T15:58:49-05:00	
eBOD20_ALS_11-21-17.PDF	Laboratory Analytical Report	2017-12-27T16:05:19-05:00	
eBOD20_ALS_11-30-17.PDF	Laboratory Analytical Report	2017-12-27T16:06:23-05:00	
Influent and Process Control_10-2017.xls	Laboratory Accreditation Form	2017-12-27T16:08:22-05:00	
DMR Laboratory Accreditation-ALS-11-2017.doc	Laboratory Accreditation Form	2017-12-27T16:08:22-05:00	
Sewage Sludge Biosolids Production and Disposal Form_11-2017.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-12-27T16:09:02-05:00	
Effluent_ALS_11-20-2017.PDF	Laboratory Analytical Report	2017-12-27T16:56:34-05:00	
Effluent_WRTF_11-2017.pdf	Laboratory Analytical Report	2017-12-27T16:56:50-05:00	
eBOD20_ALS_11-8-17.PDF	Laboratory Analytical Report	2017-12-27T16:56:44-05:00	
eBOD20_ALS_11-16-17.PDF	Laboratory Analytical Report	2017-12-27T16:56:53-05:00	
eBOD20_ALS_11-23-17.PDF	Laboratory Analytical Report	2017-12-27T16:09:09-05:00	
eBOD20_ALS_11-28-17.PDF	Laboratory Analytical Report	2017-12-27T16:06:05-05:00	
Hauled in Municipal Wasteo_11-2017.xls	Hauled-in Municipal Waste Form	2017-12-27T16:07:51-05:00	
DMR Cover Letter November 2017.doc	Cover Letter	2017-12-28T07:03:48-05:00	Daily Influent Monitoring Form-11-2017
Daily Influent Monitoring Form-11-2017.xlsx	Daily Effluent Monitoring Form	2017-12-27T16:56:11-05:00	
eBOD20_ALS_11-16-17.PDF	Laboratory Analytical Report	2017-12-27T16:56:04-05:00	
eBOD20_ALS_11-12-17.PDF	Laboratory Analytical Report	2017-12-27T16:58:57-05:00	
WSTF_PrecipControl_11-2017.pdf	Laboratory Analytical Report	2017-12-27T16:07:58-05:00	
Trucked Wasteo_11_2017.xlsx	Other	2017-12-27T16:10:44-05:00	Trucked Wasteo_11_2017
eBOD20_ALS_11-25-17.PDF	Laboratory Analytical Report	2017-12-27T16:05:43-05:00	
Hauled in Residual Wasteo_11-2017.xls	Hauled-in Residual Waste Form	2017-12-27T16:07:20-05:00	
DMR Laboratory Accreditation-WRTF-11-2017.doc	Laboratory Accreditation Form	2017-12-27T16:08:39-05:00	
WRTF_Sludgeo_11-2017.pdf	Laboratory Analytical Report	2017-12-27T16:08:16-05:00	
November 2017 SWMM Report.docx	CSO Detailed Outfall Report Form	2017-12-27T16:10:23-05:00	November 2017 SWMM Report

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause OTC	Corrective Action	Comments

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSanis	T0403	6108765523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE			DATE
	AREA CODE	NUMBER	YEAR	
DISANTISM	Michael DiSanis	NUMBER	2017	12
	SUBMITTED BY FULL NAME	NUMBER	YEAR	MO DAY

*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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				17	11	01	TO 17 11 30
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²	
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory		23-00671	
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory		23-00671	
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory		23-00671	
pH		SM 4500 H+B		DELCORA - Central Laboratory		23-00671	
Ammonia as N		EPA 350.1		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 12/28/2017

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	11	01	TO	17	11	30
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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			
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 12/28/17

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP Month: November Year: 2017
 Municipality: City of Chester County: Delaware
 Watershed: 3G NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	29.94	330	82,401	342	85,397	3690.00	3.65	399005		
2	30.21			466	117,409	3990.00	2.98	460019		
3	29.46			436	107,124	4165.00	2.96	462565		
4	28.89			236	56,862	4335.00	3.05	437892		
5	33.31			214	59,450	5115.00	3.31	361229		
6	30.74	440	112,804	488	125,109	4785.00	2.90	370192		
7	34.96			418	121,875	3875.00	2.97	374477		
8	33.28	272	75,495	312	86,597	3670.00	3.18			
9	30.03			344	86,155	3905.00	3.01	170145		
10	28.90			300	72,308	3880.00	2.99	223603		
11	27.01			226	50,910	3525.00	2.90	212935		
12	28.99			180	43,520	4060.00	3.01	234392		
13	30.06	452	113,317	482	120,838	3585.00	2.86	217104		
14	28.74			286	68,552	3905.00	2.99	188357		
15	29.16	340	82,686	380	92,414	3950.00	2.98	268512		
16	29.97			374	93,481	4570.00	2.81	453616		
17	28.05			424	99,189	4225.00	2.80	377895		
18	28.36			292	69,065	5050.00	2.78	470722		
19	32.78			268	73,267	4025.00	3.19	412729		
20	28.52	377	89,672	458	108,938	4135.00	2.84	440499		
21	29.12			200	48,572	3765.00	2.79	374923		
22	31.33	614	160,433	442	115,491	4090.00	2.79	459679		
23	27.72			340	78,603	4270.00	3.05	385540		
24	26.73			382	85,159	3815.00	2.89	477818		
25	26.98			250	56,253	3860.00	2.80	471423		
26	26.43			204	44,967	4020.00	2.96	423421		
27	26.61	772	171,328	424	94,097	4275.00	2.69	402752		
28	26.76			666	148,637	4325.00	2.74	468881		
29	26.60	429	95,171	368	81,639	4525.00	2.68	484461		
30	26.60			368	81,639	5645.00	2.59	451833		
31										
Avg	29.208	447	109,256	352	85,784	4,168	3	377,125		
Max	34.96	772	171,328	666	148,637	5,945	4	484,461		

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 License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 12/28/2017



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: November Year: 2017
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware
 Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify):			PACKAGE PLANT			DAILY TOTALS	
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (lbs)
1												Headworks	142,800	0
2												Headworks	189,700	0
3												Headworks	67,050	0
4												Headworks	8,700	0
5												Headworks		
6												Headworks	113,985	0
7												Headworks	150,650	0
8												Headworks	111,940	0
9												Headworks	129,000	0
10												Headworks	107,000	0
11												Headworks	1,000	0
12												Headworks		
13												Headworks	36,500	0
14												Headworks	113,070	0
15												Headworks	125,620	0
16												Headworks	136,210	0
17												Headworks	179,200	0
18												Headworks	3,141	0
19												Headworks		
20												Headworks	100,900	0
21												Headworks	94,200	0
22												Headworks	212,598	0
23												Headworks		
24												Headworks	95,800	0
25												Headworks	4,000	0
26												Headworks		
27												Headworks	56,600	0
28												Headworks	164,006	0
29												Headworks	155,290	0
30												Headworks	151,279	0
31												Headworks		
Avg												Monthly Totals:	2,650,239	

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 License No.: T0403
 Title: Dir. Operations and Maintenance Date: 12/28/2017



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

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

County: Delaware

Month: November
NPDES Permit No.: PA0027103

Year: 2017

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 & Tighman	Yes	
009	2nd & Lloyd	Yes	Total overflow from Outfalls 009 and 010
010	5th & Pusey	No	Discharges to Outfall 009 Regulator
011	2nd & Parker	Yes	
012	2nd & Edgmont	No	
013	2nd & Welsh	Yes	
014	3rd & Upland	No	
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
Title: Dir. Of Operations and Maintenance

License No.: T0403
Date: 12/14/2017

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, January 26, 2018 12:37 PM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 12/01/2017-12/31/2017
Report Due Date: 01/28/2018

Submitted By: Michael DiSantis
Submission Id: 84406
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 26, 2018

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 December, 2017. All parameters were in compliance for the monthly reporting period.

Parameter averages for December, 2017 were: Flow – 26.38 MGD; cBOD₅ – 14 mg/l; TSS – 18 mg/L; cBOD₂₀ % removal – 94.48 %; and cBOD₂₀ loading – 8,238 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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
2017	12	01	2017	12	31

Reporting Frequency: Monthly
DMR Effective From: 12/01/2017
DMR Effective To: 12/31/2017
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge? No

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	UNITS		
pH	Sample Measurement	8.60	7.14	8.11	Grab	1/day
	Permit Measurement	6.0	IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	479	18	19	24-Hr Composite	1/day
	Permit Measurement	1600	45	45	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	1100	30	45	24-Hr Composite	1/day
	Permit Measurement	1100	45	45	24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	650	15	30	24-Hr Composite	2/month
	Permit Measurement	650	30	IMAX	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	15.94	15.94	15.94	24-Hr Composite	2/month
	Permit Measurement	15.94	15.94	15.94	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	4.3	4.3	4.3	24-Hr Composite	2/month
	Permit Measurement	4.3	4.3	4.3	24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	19.58	19.58	19.58	24-Hr Composite	2/month
	Permit Measurement	19.58	19.58	19.58	24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	0.43	0.43	0.43	24-Hr Composite	1/month
	Permit Measurement	0.43	0.43	0.43	24-Hr Composite	1/month
Chloroform/methylene	Sample Measurement	0.013	0.013	0.013	24-Hr Composite	1/month
	Permit Measurement	0.013	0.013	0.013	24-Hr Composite	1/month
Cadmium, Total	Sample Measurement	<.001	<.001	<.001	24-Hr Composite	1/month
	Permit Measurement	<.001	<.001	<.001	24-Hr Composite	1/month
Copper, Total	Sample Measurement	0.059	0.059	0.059	24-Hr Composite	1/month
	Permit Measurement	0.059	0.059	0.059	24-Hr Composite	1/month
Lead, Total	Sample Measurement	<.003	<.003	<.003	24-Hr Composite	1/month
	Permit Measurement	<.003	<.003	<.003	24-Hr Composite	1/month
Zinc, Total	Sample Measurement	0.024	0.024	0.024	24-Hr Composite	1/month
	Permit Measurement	0.024	0.024	0.024	24-Hr Composite	1/month
Dichloromethane	Sample Measurement	0.024	0.024	0.024	24-Hr Composite	1/month
	Permit Measurement	0.024	0.024	0.024	24-Hr Composite	1/month
Fluor	Sample Measurement	33.04	33.04	33.04	24-Hr Composite	1/month
	Permit Measurement	33.04	33.04	33.04	24-Hr Composite	1/month
Total Residual Chlorine (TRC)	Sample Measurement	5	5	5	24-Hr Composite	1/day
	Permit Measurement	5	5	5	24-Hr Composite	1/day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter December 2017.doc	Cover Letter	2018-01-26T12:08:23-05:00	
Daily Effluent Monitoring Form_12-2017.xlsx	Daily Effluent Monitoring Form	2018-01-26T11:55:08-05:00	
Daily Influent Monitoring Form_12-2017.xlsx	Daily Influent Monitoring Form	2018-01-26T11:55:57-05:00	Daily Influent Monitoring Form-12-2017
DMR Laboratory Accreditation-ALS-12-2017.doc	Laboratory Accreditation Form	2018-01-26T11:57:46-05:00	
Hauled in Municipal Waste_12-2017.xls	Hauled-in Municipal Waste Form	2018-01-26T11:58:17-05:00	
Hauled in Residential Waste_12-2017.xls	Hauled-in Residential Waste Form	2018-01-26T11:58:45-05:00	
Influent and Process Control_12-2017.xls	Influent and Process Control Form	2018-01-26T11:57:04-05:00	
Sewage Sludge Biosolids Production and Disposal Form_12-2017.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-01-26T11:59:23-05:00	
December 2017 SWMM Report.xlsx	CSO Monthly Inspection Report Form	2018-01-26T12:00:22-05:00	
Trucked Waste_12-2017.xlsx	Other	2018-01-26T12:00:56-05:00	Trucked Waste_12-2017
WRTP_Sludge_12-2017.pdf	Laboratory Analytical Report	2018-01-26T11:59:44-05:00	
8BOD20_ALS_12-21-17.PDF	Laboratory Analytical Report	2018-01-26T11:59:19-05:00	
8BOD20_ALS_12-17-17.PDF	Laboratory Analytical Report	2018-01-26T11:51:19-05:00	
8BOD20_ALS_12-19-17.PDF	Laboratory Analytical Report	2018-01-26T11:52:59-05:00	
8BOD20_ALS_12-16-17.PDF	Laboratory Analytical Report	2018-01-26T11:53:39-05:00	
Influent_W RTP_12-2017.pdf	Laboratory Analytical Report	2018-01-26T11:55:15-05:00	
Effluent_ALS_12-05-2017.PDF	Laboratory Analytical Report	2018-01-26T11:54:09-05:00	
Effluent_W RTP_12-2017.pdf	Laboratory Analytical Report	2018-01-26T11:53:38-05:00	
8BOD20_ALS_12-26-17.PDF	Laboratory Analytical Report	2018-01-26T11:56:37-05:00	
8BOD20_ALS_12-23-17.PDF	Laboratory Analytical Report	2018-01-26T11:56:22-05:00	
WRTP_Proc&Controll_12-2017.pdf	Laboratory Analytical Report	2018-01-26T11:57:22-05:00	
8BOD20_ALS_12-14-17.PDF	Laboratory Analytical Report	2018-01-26T11:52:20-05:00	
8BOD20_ALS_12-12-17.PDF	Laboratory Analytical Report	2018-01-26T11:51:59-05:00	
DMR Laboratory Accreditation-W RTP-12-2017.doc	Laboratory Analytical Report	2018-01-26T11:50:03-05:00	
8BOD20_ALS_12-28-17.PDF	Laboratory Analytical Report	2018-01-26T11:56:14-05:00	
8BOD20_ALS_12-27-17.PDF	Laboratory Analytical Report	2018-01-26T11:53:56-05:00	
8BOD20_ALS_12-17-17.PDF	Laboratory Analytical Report	2018-01-26T11:52:38-05:00	
8BOD20_ALS_12-15-17.PDF	Laboratory Analytical Report	2018-01-26T11:50:55-05:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Reported Parameter	Non Compliance Type	Comments
	Surge Code (Sampling Point)		

COMMENTS DETAILS

Comment	Operator Name	Operator Contact Number	Operator Contact Number
	Michael J. Disantis	TD03	610736523

SUBMISSION INFORMATION

<p>*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).</p>			
SUBMITTED BY GREENPORT USER	Michael Disantis	TELEPHONE AREA CODE NUMBER	DATE
DISANTISM		AREA CODE NUMBER	YEAR MO DAY
		AREA CODE NUMBER	



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				17	12	01	TO	17	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	SM4500-N-org B/SM4500-NH3 C	DELCORA - Central Laboratory	23-00671							
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671							
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671							
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671							
Ammonia as N	EPA 350.1	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 01/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP Month: December Year: 2017
 Municipality: City of Chester County: Delaware
 Watershed: 3G
 NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	25.85			472	101,758	4110.00	2.82	705000.00		
2	25.82			238	51,251	5485.00	2.82	737000.00		
3	26.10			212	46,147	4045.00	3.15	742000.00		
4	26.56	385	85,282	384	85,060	3275.00	2.80	720000.00		
5	28.39			368	87,132	3155.00	2.80	725000.00		
6	28.32	474	111,953	652	153,995	3120.00	2.91	704000.00		
7	26.37			398	87,530	3090.00	2.83	700000.00		
8	25.42			524	111,089	3365.00	2.93	687000.00		
9	27.22			240	54,484	3725.00	2.88	680000.00		
10	28.79			212	50,903	3255.00	3.75	646000.00		
11	27.95	373	86,947	376	87,647	2570.00	3.05	564000.00		
12	26.40			406	89,391	3070.00	2.86	586000.00		
13	26.09	536	116,629	472	102,703	3015.00	2.93	453000.00		
14	26.91			378	84,834	3025.00	2.85	435000.00		
15	26.12			440	95,850	3710.00	2.88	448000.00		
16	26.90			278	62,368	3980.00	2.83	448000.00		
17	26.56			218	48,289	3485.00	3.27	440000.00		
18	26.22	420	91,843	400	87,470	3285.00	2.83	437000.00		
19	27.73			518	119,797	3605.00	2.74	446000.00		
20	26.28			276	60,492	4135.00	2.82	502000.00		
21	26.38			432	95,044	3205.00	2.73	511000.00		
22	27.07			450	101,594	3850.00	2.73	494000.00		
23	34.03			352	99,901	3755.00	2.86	506000.00		
24	30.40			194	49,186	4195.00	3.24	481000.00		
25	28.74	151	36,193	158	37,871	3370.00	3.26	396000.00		
26	26.80			366	81,805	3855.00	3.02	391000.00		
27	28.13	311	72,962	424	99,472	3835.00	2.88	373000.00		
28	26.00			450	97,578	4635.00	2.72	402000.00		
29	27.05			428	96,556	3975.00	2.73	493000.00		
30	27.58			236	54,284	4555.00	2.85	516000.00		
31	26.69			250	55,649	4380.00	2.90	577000.00		
Avg	27.254	379	85,973	361	81,843	3,681	3	546,613		
Max	34.03	536	116,629	652	153,995	5,485	4	742,000		

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 Maintenance Date: 1/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: December Year: 2017
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G 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)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (lbs)
1	35605			76135			71460			Headworks	183,200	0
2	14500			109199			21500			Headworks	145,199	0
3										Headworks		
4	50150			101550			56718			Headworks	208,418	0
5	25500			98421			68650			Headworks	192,571	0
6	53600			115070			61210			Headworks	229,880	0
7	43900			125652			53900			Headworks	223,452	0
8	41520			63755			64650			Headworks	169,925	0
9	7000			12081			23500			Headworks	42,581	0
10										Headworks		
11	20000			102578			78800			Headworks	201,378	0
12	47958			105089			67750			Headworks	220,797	0
13	53746			99146			49350			Headworks	202,242	0
14	27850			104687			53400			Headworks	185,937	0
15	33250			87617			62450			Headworks	183,317	0
16							26900			Headworks	26,900	0
17										Headworks		
18	74110			121699			84167			Headworks	279,976	0
19	49700			85070			84820			Headworks	219,590	0
20	45500			98274			63150			Headworks	206,924	0
21	17750			126600			58180			Headworks	202,530	0
22	54100			104510			82258			Headworks	240,868	0
23				12060			26450			Headworks	38,510	0
24										Headworks		
25										Headworks		
26	39500			160432			51400			Headworks	251,332	0
27	34800			127338			58000			Headworks	220,138	0
28	41450			87987			68950			Headworks	198,387	0
29	56100			66686			56150			Headworks	178,936	0
30	1000						23569			Headworks	24,569	0
31										Headworks		
Avg	37,765			95,289			56,693			Monthly Totals:	4,477,557	

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 1/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3810-FM-BP-NP-SM-0435 3/2012

Facility Name: DELCORA STP
Municipality: City of Chester
Watershed: C.S.
Laboratories: DELCORA; ALS Environmental

Month: 12 (select number)
Year: 2017
Permit No.: PA0027103
Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Flow MGD	Feet Coliform CFU/100 ml	pH	CBOD5 mg/L	CBOD20 mg/L	CBOD28 mg/L	TSS mg/L	TSS %	TDS mg/L	Oil and Grease mg/L	TRC mg/L	NH3-N mg/L	NO3-N mg/L	NO2-N mg/L	TKN mg/L	Total Copper mg/L	Total Lead mg/L	
																			1
1	12/17/17	24.55	9.70	6.87	14	26	91.96	18	95.19	5	0.64	0.64							
	Sat	12/21/17	24.83	7.03	10	26	91.96	18	95.19	5	0.51	0.51							
	Sun	12/24/17	25.04	6.83	9	26	91.96	15	92.29	5	0.50	0.50							
	Mon	12/25/17	25.85	6.85	14	26	91.96	20	94.79	5	0.30	0.30							
	Tue	12/26/17	27.63	7.09	23	49	92.23	17	97.45	5	0.45	0.45	23.22	1.28	0.17	26.40	0.0059	0.0030	
	Wed	12/27/17	28.17	6.88	17	28	96.57	24	97.45	5	0.45	0.45							
	Thu	12/28/17	28.72	6.83	17	28	96.57	13	97.52	5	0.07	0.07							
	Fri	12/29/17	28.72	6.87	13	28	96.57	18	95.08	5	0.53	0.53							
	Sat	12/30/17	28.72	6.87	15	28	94.65	11	94.81	5	0.85	0.85							
	Sun	12/31/17	27.06	6.92	14	28	94.65	15	96.01	5	0.62	0.62	8.65	4.40	0.68	12.75			
2	12/18/17	24.85	8.50	7.12	13	35	94.81	17	95.76	5	0.48	0.48							
	Mon	12/19/17	24.85	7.04	13	32	94.89	16	95.77	5	0.48	0.48							
	Tue	12/20/17	24.85	7.02	14	23	94.89	23	94.77	5	0.48	0.48							
	Wed	12/21/17	26.06	7.14	15	17	93.89	17	93.89	5	0.49	0.49							
	Thu	12/22/17	26.06	7.14	15	17	93.89	17	93.89	5	0.49	0.49							
	Fri	12/23/17	26.06	7.14	15	17	93.89	17	93.89	5	0.49	0.49							
	Sat	12/24/17	26.06	7.14	15	17	93.89	17	93.89	5	0.49	0.49							
3	12/25/17	25.87	12.00	6.80	10	34	91.96	15	93.12	5	0.50	0.50							
	Mon	12/26/17	26.83	6.83	10	37	95.16	23	95.76	5	0.48	0.48							
	Tue	12/27/17	25.27	6.80	17	37	95.16	23	95.76	5	0.48	0.48							
	Wed	12/28/17	25.27	6.80	20	40	94.13	24	91.30	5	0.47	0.47							
	Thu	12/29/17	26.02	6.80	16	18	94.13	18	95.65	5	0.27	0.27							
	Fri	12/30/17	26.02	6.85	14	14	94.13	16	95.65	5	0.27	0.27							
	Sat	12/31/17	26.02	6.85	14	14	94.13	16	95.65	5	0.27	0.27							
4	12/25/17	27.78	5.20	6.71	9	57	95.03	14	93.02	5	0.35	0.35							
	Mon	12/26/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
	Tue	12/27/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
	Wed	12/28/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
	Thu	12/29/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
	Fri	12/30/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
	Sat	12/31/17	27.78	6.72	9	57	95.03	14	93.02	5	0.35	0.35							
5	12/25/17	25.83	3.10	6.84	11	21	91.80	21	91.80	5	0.50	0.50							

SUMMARY FOR DMR		Daily Minimum (Cont.)		Daily Maximum (Cont.)		Max Avg Weekly (Cont.)		Avg Monthly (Cont.)		Geometric Mean (Cont.)		Max Avg Weekly (Load)		Avg Monthly (Load)		Daily Minimum (Load)		Daily Maximum (Load)	
1	Q	1	Q	1	Q	1	Q	1	Q	1	Q	1	Q	1	Q	1	Q	1	Q
1	6.89	26	91.96	11	36.51	5	0.37	1.23	8.65	0.17	0.17	12.75	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059
165	7.14	23	96.87	24	97.85	5	0.37	4.4	21.22	0.68	0.68	26.4	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059
15	6.26	45	95.23	13	92.86	5	0.37	4.4	21.22	0.68	0.68	26.4	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059
14	6.44	35	94.44	16	94.92	5	0.5	2.85	15.94	0.43	0.43	19.53	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059
3242	9.71	3242	9.71	4179	1126	135	135	17247	17247	154	154	6083	1	1	1	1	1	1	1
2971	4338	2971	4338	3881	1100	105	105	167260	167260	56	56	4482	1	1	1	1	1	1	1
32688	255703	32688	255703	120015	4875049	3286	3286	4875049	4875049	2001E	2001E	113262	2889	2889	2889	2889	2889	2889	2889
24.55	1880	24.55	1880	2543	1024	14	14	122585	122585	297	297	1937	39	39	39	39	39	39	39
33.04	5300	33.04	5300	5286	13288	285	285	261598	261598	984	984	3351	154	154	154	154	154	154	154

I hereby certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel gather and evaluate the information submitted, and that the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware of the requirements of the Pennsylvania Environmental Protection Act, and I understand that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4504 (penalty for knowing violation).

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

License No.: T0403
Date: 1/23/2018



**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: 2017
 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	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	No	
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: 1/8/2018

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, February 27, 2018 8:22 AM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 01/01/2018-01/31/2018
Report Due Date: 02/28/2018

Submitted By: Michael DiSantis
Submission Id: 88673
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

February 27, 2018

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 January, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for January, 2018 were: Flow – 30.81 MGD; cBOD₅ – 11 mg/l; TSS – 17 mg/L; cBOD₂₀ % removal – 93.52 %; and cBOD₂₀ loading – 7,215 lbs/day.

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

Respectfully submitted,

Electronically 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
S.J. Babylon via email with server link
Ian Piro 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-BPNPMS0462 3/2012



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 STREET P.O. BOX 999 CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST CHESTER PA, 19013-1823
STAGE: Final Effluent

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	01	01	2018	01	31

Reading Frequency: Monthly
DMR Effective From: 01/01/2018
DMR Effective To: 01/31/2018
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharges? No

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	UNITS	VALUE	UNITS		
pH	Sample Measurement	...	6.83	...	6.9	S.U.	Grab	1/day
	Permit Measurement	...	6.0	...	9.0	MAX	Grab	1/day
Total Suspended Solids	Sample Measurement	452	682	...	23	mg/L	24-Hr Composite	1/day
	Permit Measurement	1100	1630	...	50	mg/L	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	6726	...	...	4	mg/L	Grab	1/day
	Permit Measurement	5520	...	...	20	mg/L	Grab	1/day
Ammonia-Nitrogen	Sample Measurement	...	...	...	3.88	mg/L	24-Hr Composite	2/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	2/month
Nitrite as N	Sample Measurement	...	...	...	27	mg/L	24-Hr Composite	2/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	...	...	...	14.28	mg/L	24-Hr Composite	2/month
	Permit Measurement	...	...	...	18.07	mg/L	24-Hr Composite	2/month
Total Inorganic Nitrogen	Sample Measurement	...	...	...	6.2	mg/L	24-Hr Composite	2/month
	Permit Measurement	...	...	...	0.27	mg/L	24-Hr Composite	2/month
Oxygen, Total	Sample Measurement	...	...	...	0.01	mg/L	24-Hr Composite	1/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	1/month
Chloride, Total	Sample Measurement	...	...	...	0.022	mg/L	24-Hr Composite	1/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	1/month
Copper, Total	Sample Measurement	...	...	...	0.15	mg/L	24-Hr Composite	1/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	1/month
Lead, Total	Sample Measurement	...	...	...	0.01	mg/L	24-Hr Composite	1/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	1/month
Zinc, Total	Sample Measurement	...	...	...	0.41	mg/L	24-Hr Composite	1/month
	Permit Measurement	...	...	...	...	...	24-Hr Composite	1/month
Dichlorobenzene	Sample Measurement	...	...	...	<0.01	mg/L	Grab	1/month
	Permit Measurement	...	...	...	...	...	Grab	1/month
Fluor	Sample Measurement	20.81	56.13	...	...	mg/L	MDO	1/month
	Permit Measurement	...	...	...	...	...	...	...
Total Residual Chlorine (TRC)	Sample Measurement	...	...	...	5	mg/L	Grab	1/day
	Permit Measurement	...	...	...	1.0	MAX	Grab	1/day



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

Parameter	Sample Measurement	Monitor & Report	Monitor & Report	Monitor & Report	Monitor & Report	Monitor & Report	Unit	Frequency
Total Dissolved Solids	Sample Measurement	***	***	***	***	***	mg/L	24-Hr Composite
	Permit Measurement	***	***	***	***	***	mg/L	24-Hr Composite
	Sample Measurement	***	***	***	***	***	mg/L	24-Hr Composite
Fecal Coliform	Sample Measurement	***	***	***	***	***	No./100 ml	24-Hr Composite
	Permit Measurement	***	***	***	***	***	No./100 ml	24-Hr Composite
	Sample Measurement	***	***	***	***	***	No./100 ml	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3032	4088	***	***	***	mg/L	24-Hr Composite
	Permit Measurement	7030	10200	***	***	***	mg/L	24-Hr Composite
	Sample Measurement	7215	10500	***	***	***	mg/L	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	10500	***	***	***	***	%	24-Hr Composite
	Permit Measurement	***	***	***	***	***	%	24-Hr Composite
	Sample Measurement	***	***	***	***	***	%	24-Hr Composite
Biochemical Oxygen Demand (BOD5)	Sample Measurement	59688	***	***	***	***	mg/L	24-Hr Composite
	Permit Measurement	***	***	***	***	***	mg/L	24-Hr Composite
	Sample Measurement	***	***	***	***	***	mg/L	24-Hr Composite
Total Suspended Solids	Sample Measurement	8392	***	***	***	***	mg/L	24-Hr Composite
	Permit Measurement	***	***	***	***	***	mg/L	24-Hr Composite
	Sample Measurement	***	***	***	***	***	mg/L	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	8224	***	***	***	***	mg/L	24-Hr Composite
	Permit Measurement	***	***	***	***	***	mg/L	24-Hr Composite
	Sample Measurement	***	***	***	***	***	mg/L	24-Hr Composite
Facility Comments								



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter 01-2018.doc	Cover Letter	2018-02-27T08:22:01-05:00	
DMR Laboratory Accreditation-A15-01-2018.doc	Laboratory Accreditation Form	2018-02-26T10:35:44-05:00	
DMR Laboratory Accreditation-W17-03-2018.doc	Laboratory Accreditation Form	2018-02-26T10:35:46-05:00	
Handed in Municipal Waste, 01-2018.xls	Handed in Municipal Waste Form	2018-02-26T10:30:14-05:00	
Handed in Residential Waste, 01-2018.xls	Handed in Residential Waste Form	2018-02-26T10:34:52-05:00	
Influent and Process Control, 01-2018.xls	Influent and Process Control Form	2018-02-26T10:35:31-05:00	
Sewage Sludge Biosolids Production and Disposal Form, 01-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-02-26T10:37:13-05:00	
January 2018 SWMM Report.doc	CSO Detailed Output Report Form	2018-02-26T10:37:13-05:00	
Tracked Waste, 01-2018.xlsx	Other	2018-02-26T10:37:20-05:00	Tracked Waste, 01-2018
Daily Influent Monitoring Form-01-2018.xlsx	Other	2018-02-26T10:23:14-05:00	Daily Influent Monitoring Form-01-2018
CE0020_1-4-18.PDF	Laboratory Analytical Report	2018-02-26T10:27:19-05:00	
CE0020_1-4-18.PDF	Laboratory Analytical Report	2018-02-26T10:27:20-05:00	
CE0020_1-4-18.PDF	Laboratory Analytical Report	2018-02-26T14:14:07-05:00	
Influent DMR 01-2018.xlsx	Laboratory Analytical Report	2018-02-26T10:25:43-05:00	
CE0020_1-7-18.PDF	Laboratory Analytical Report	2018-02-26T10:25:43-05:00	
Daily Effluent Monitoring Form-01-2018.xlsx	Laboratory Analytical Report	2018-02-26T10:28:04-05:00	
CE0020_1-30-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:04-05:00	
CE0020_1-25-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:29-05:00	
CE0020_1-24-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:41-05:00	
CE0020_1-23-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:49-05:00	
CE0020_1-21-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:49-05:00	
CE0020_1-19-18.PDF	Laboratory Analytical Report	2018-02-26T10:28:49-05:00	
CE0020_1-18-18.PDF	Laboratory Analytical Report	2018-02-26T14:13:29-05:00	
CE0020_1-17-18.PDF	Laboratory Analytical Report	2018-02-26T10:25:44-05:00	
CE0020_1-16-18.PDF	Laboratory Analytical Report	2018-02-26T10:24:54-05:00	
CE0020_1-15-18.PDF	Laboratory Analytical Report	2018-02-26T10:24:54-05:00	
CE0020_1-14-18.PDF	Laboratory Analytical Report	2018-02-26T14:13:46-05:00	
CE0020_1-13-18.PDF	Laboratory Analytical Report	2018-02-26T14:13:46-05:00	

PERMIT VIOLATIONS

Permit ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Lead Unit	Sampling Point ID	Cause of N/C	Corrective Action	Comments	
Non-Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause of Discharge	DFP Notified	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause of Discharge	DFP Notified	Comments
Non-Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause of Discharge	DFP Notified	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non-Compliance Type	Comments
Non-Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non-Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Comment	Operator Name	Operator Certification Number	Operator Contact Number

SUBMISSION INFORMATION

Submitted By	Greenport User	Disantism	Submitted By Full Name	Area Code	Number	Year	MO	Day
Submitted By	Greenport User	Disantism	Submitted By Full Name	Area Code	Number	Year	MO	Day



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				18	01	01	TO 18 01 31
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²	
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory		23-00671	
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory		23-00671	
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory		23-00671	
pH		SM 4500 H+B		DELCORA - Central Laboratory		23-00671	
Ammonia as N		EPA 350.1		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 02/28/2018

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				18	01	01	TO 18 01 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	
Dichlorobromomethane		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 possibility 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: 02/28/18

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Month: January Year: 2018

NPDES Permit No.: PA0027103

Renewal application due 180 days prior to expiration.

This permit will expire on: April 30, 2018

County: Delaware

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

Day	Influent					Process Control				
	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	27.12	167	37,772	174	39,355	3665.00	3.06	602000.00		
2	27.52			360	82,626	3050.00	2.92	626000.00		
3	27.87	691	160,613	418	97,158	3195.00	2.24	552000.00		
4	27.53			308	70,717	2805.00	2.22	558000.00		
5	26.74			430	95,895	2410.00	1.84	561000.00		
6	26.92			262	58,822	2900.00	3.19	595000.00		
7	26.77			190	42,420	2825.00	3.98	579000.00		
8	27.21	354	80,334	304	68,987	3060.00	3.43	527000.00		
9	28.91			417	100,543	3275.00	3.46	534000.00		
10	29.53	314	77,332	378	93,094	3635.00	3.49	509000.00		
11	29.99			444	111,052	3345.00	2.43	585000.00		
12	57.66			648	311,613	2900.00	2.34	444000.00		
13	47.69			194	77,161	3355.00	3.26	455000.00		
14	33.01			126	34,688	3645.00	6.85	622000.00		
15	32.23	354	95,155	276	74,188	3225.00	4.15	600000.00		
16	30.77			218	55,944	3900.00	3.27	538000.00		
17	32.90	461	126,492	442	121,279	3025.00	3.66	613000.00		
18	31.32			288	75,228	2875.00	3.29	650000.00		
19	32.15			326	87,411	3105.00	2.92	594000.00		
20	30.75			210	53,856	3990.00	3.06	579000.00		
21	29.39			170	41,669	3260.00	4.96	637000.00		
22	29.13	478	116,127	300	72,883	3565.00	3.36	615000.00		
23	38.84			410	132,809	2755.00	1.94	565000.00		
24	32.56	326	88,525	296	80,379	2835.00	2.81	647000.00		
25	29.50			470	115,634	3010.00	2.86	616000.00		
26	28.11			274	64,236	3170.00	2.80	621000.00		
27	29.79			174	43,230	3625.00	2.02	608000.00		
28	35.26			172	50,580	3970.00	4.09	539000.00		
29	30.40	468	118,655	320	81,132	2955.00	2.65	574000.00		
30	32.81			330	90,300	3455.00	2.37	633000.00		
31	30.11	381	95,676	298	74,833	2875.00	2.57	639000.00		
Avg	31.629	399	99,668	311	83,862	3,215	3	581,194		
Max	57.66	691	160,613	648	311,613	3,990	7	650,000		

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: Michael DiSantis
 Title: Dir. Of Operations and Maintenance

License No.: T0403
 Date: 2/28/2018



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

3800-FM-BPNP-SM0437 3/2012

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

County: Delaware

Month: January
NPDES Permit No.: PA0027103

Year: 2018

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)	Gallons	BOD ₅ (lbs)
1				Headworks				Sludge Thickening					
2	34200			Headworks	150431			Sludge Thickening	73450			258,081	0
3	54300			Headworks	126213			Sludge Thickening	83600			264,113	0
4	8250			Headworks	44123			Sludge Thickening	10300			62,673	0
5	18450			Headworks	119159			Sludge Thickening	75250			212,859	0
6	4500			Headworks				Sludge Thickening	20500			25,000	0
7				Headworks				Sludge Thickening					
8	54000			Headworks	109400			Sludge Thickening	68425			231,825	0
9	28900			Headworks	103682			Sludge Thickening	53500			186,082	0
10	34550			Headworks	79262			Sludge Thickening	47855			161,667	0
11	55915			Headworks	150159			Sludge Thickening	92058			298,132	0
12	39250			Headworks	110950			Sludge Thickening	56200			206,400	0
13	13500			Headworks	37500			Sludge Thickening	36980			87,980	0
14				Headworks				Sludge Thickening					
15	61950			Headworks	114724			Sludge Thickening	69050			245,724	0
16	33050			Headworks	161983			Sludge Thickening	61100			256,133	0
17	22000			Headworks	110319			Sludge Thickening	62525			194,844	0
18	26800			Headworks	161477			Sludge Thickening	92434			280,711	0
19	12250			Headworks	120376			Sludge Thickening	67750			200,376	0
20	13600			Headworks	39800			Sludge Thickening	31730			85,130	0
21				Headworks				Sludge Thickening					
22	15939			Headworks	97046			Sludge Thickening	68247			181,232	0
23	37125			Headworks	121891			Sludge Thickening	94380			253,396	0
24	54420			Headworks	132863			Sludge Thickening	84700			271,983	0
25	50000			Headworks	118386			Sludge Thickening	68591			236,977	0
26	30133			Headworks	143713			Sludge Thickening	63950			237,796	0
27	12000			Headworks	22300			Sludge Thickening	29000			63,300	0
28				Headworks				Sludge Thickening					
29	51950			Headworks	125453			Sludge Thickening	88034			265,437	0
30	48800			Headworks	117486			Sludge Thickening	47300			213,586	0
31	48000			Headworks	131991			Sludge Thickening	54850			234,841	0
AVG	33,224				110,027				61,606			Monthly Totals: 5,216,278	

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: Headworks
Title: Dir. Operations and Maintenance

License No.: T0403
Date: 2/28/2018



3600-FR-SP-SP-SP-SP-SP-32012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
Municipality: City of Chester
Valencia: 3-3
Laboratories: DELCORA-ALS Environmental
County: Delaware
Month: 1 (select number)
Year: 2018
Permit No.: PA0027103
Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Table with columns: Parameter, Flow, Fecal Coliform, pH, CBOD5, CBOD20, TSS, TDS, Oil and Grease, TRC, NH3-N, NO3-N, NO2-N, TKN, Total Copper, Total Lead. Rows include daily monitoring data for parameters like Fecal Coliform, pH, CBOD5, CBOD20, TSS, TDS, Oil and Grease, TRC, NH3-N, NO3-N, NO2-N, TKN, Total Copper, Total Lead.

I hereby certify 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 knowledge and belief, the information submitted is 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 untruthful falsification).

Prepared By: Michael Disantis
Title: Dir. Of Operations and Maintenance
License No.: T0403
Date: 2/28/2018

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, March 27, 2018 10:15 AM
To: DiSantis, Michael; DiSantis, Michael; doug.rowland@drbc.nj.gov; Piro, Ian; kendria.henson@drbc.nj.gov
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: 02/01/2018-02/28/2018
Report Due Date: 03/28/2018

Submitted By: Michael DiSantis
Submission Id: 92529
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

March 27, 2018

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, 2018.

We regret to report that there was one violation during the month for exceeding the weekly TSS loading limit. This resulted from a TSS result of 179 mg/L on 2/11. This occurred when the RAS flow from one of the secondary clarifiers clogged during a wet weather event. All other permit parameters were in compliance during the month. Parameter averages for February, 2018 were: Flow – 40.9 MGD; cBOD₅ – 12 mg/l; TSS – 17 mg/L; cBOD₂₀ % removal – 95.7 %; and cBOD₂₀ loading – 8,769 lbs/day.

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

Respectfully submitted,

Electronically submitted

Michael J. DiSantis
Director of Operations and Maintenance

MJD:
Enclosures

cc: w/enclosures
US EPA - NPDES DMR (3WP42) – can access through DEP website
Delaware River Basin Commission – can access through DEP website
S.J. Babylon via email with server link
Ian Piro 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-BPNPSM0462 3/2012



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

NAME: DEL CORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19016-0999
FACILITY: DEL CORA 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 2018	02	01	TO 2018	02	28

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

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	8.42	***	8.9	8.U.	Grab	1/day
	Permit Measurement	***	***	***	8.0 Inst Min	***	9.0 MAX		Grab	1/day
Total Suspended Solids	Sample Measurement	771#	2014#	lb/day	***	17	38	mg/L	24-Hr Composite	1/day
	Permit Measurement	11000 Avg Mo	16500 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Oil and Grease	Sample Measurement	<1705	***	lb/day	***	<5	<5	mg/L	Grab	1/day
	Permit Measurement	5500 Avg Mo	***		***	15 Avg Mo	30 MAX		Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	7.58	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	***	.35	.48	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Nitrite as N	Sample Measurement	***	***	***	***	3.7	6.45	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	9.5	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.02	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorobromomethane	Sample Measurement	***	***	***	***	<0.010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.0002	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0100	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.02	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Flow	Sample Measurement	40.9	78.22	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.58	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 MAX		Grab	1/day



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

Parameter	Measurement Type	Value	Unit	Frequency	Standard	Standard	Standard	Frequency	Frequency
Total Dissolved Solids	Sample Measurement	***	mg/L	***	624	748	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	mg/L	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	mg/L	24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	No./100 ml	***	29	158.5	No./100 ml	Grab	1/day
	Permit Measurement	***	No./100 ml	***	200 Geo Mean	1000 MAX	No./100 ml	Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4562	mg/L	5x/day	12	18	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	mg/L	5x/day	19 Arg Mo	29 Wkly Avg	mg/L	24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	8769	mg/L	5x/day	***	***	mg/L	24-Hr Composite	2/week
	Permit Measurement	10500 Arg Mo	mg/L	5x/day	***	***	mg/L	24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	%	***	95.70	***	%	24-Hr Composite	1/week
	Permit Measurement	***	%	***	89.25 Min Mo Avg	***	%	24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	114653	mg/L	5x/day	***	328	mg/L	24-Hr Composite	2/week
	Permit Measurement	Monitor & Report Arg Mo	mg/L	5x/day	***	Monitor & Report Arg Mo	mg/L	24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	37438	mg/L	5x/day	***	283	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Arg Mo	mg/L	5x/day	***	Monitor & Report Arg Mo	mg/L	24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	75556	mg/L	5x/day	***	229	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Arg Mo	mg/L	5x/day	***	Monitor & Report Arg Mo	mg/L	24-Hr Composite	1/day
Facility Comments									



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Effluent_ALE_2-4-18.PDF	Laboratory Analytical Report	2018-03-28T14:44:46-04:00	
Effluent_W RTP_02-2018.pdf	Laboratory Analytical Report	2018-03-28T14:45:06-04:00	
CBOD20_2-15-18_INVALID.PDF	Laboratory Analytical Report	2018-03-28T14:47:54-04:00	
CBOD20_2-3-18.PDF	Laboratory Analytical Report	2018-03-28T14:48:45-04:00	
CBOD20_2-11-18.PDF	Laboratory Analytical Report	2018-03-28T14:47:03-04:00	
Trucked Waste_02_2018.xls	Other	2018-03-28T14:59:42-04:00	Trucked Waste_02_2018
CBOD20_2-4-18.PDF	Laboratory Analytical Report	2018-03-28T14:46:03-04:00	
CBOD20_2-6-18.PDF	Laboratory Analytical Report	2018-03-28T14:46:20-04:00	
Hauled in Residual Wastes_02-2018.xls	Hauled-in Residual Waste Form	2018-03-28T14:50:19-04:00	
DMR Laboratory Accreditation-W RTP-02-2018.doc	Laboratory Accreditation Form	2018-03-28T14:53:28-04:00	
Daily Effluent Monitoring Form-02-2018.xls	Daily Effluent Monitoring Form	2018-03-28T14:43:41-04:00	
W RTP_ProcessControl_02-2018.pdf	Laboratory Analytical Report	2018-03-28T14:51:41-04:00	
Sewage Sludge Biosolids Production and Disposal Form_02-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-03-28T14:53:49-04:00	
Daily Influent Monitoring Form-02-2018.xls	Other	2018-03-28T14:44:02-04:00	Daily Influent Monitoring Form-02-2018
Influent_W RTP_02-2018.pdf	Laboratory Analytical Report	2018-03-28T14:45:25-04:00	
CBOD20_2-13-18_INVALID.PDF	Laboratory Analytical Report	2018-03-28T14:47:22-04:00	
CBOD20_2-18-18.PDF	Laboratory Analytical Report	2018-03-28T14:48:15-04:00	
CBOD20_2-22-18.PDF	Laboratory Analytical Report	2018-03-28T14:49:00-04:00	
CBOD20_2-25-18.PDF	Laboratory Analytical Report	2018-03-28T14:49:16-04:00	
CBOD20_2-27-18.PDF	Laboratory Analytical Report	2018-03-28T14:49:38-04:00	
DMR Laboratory Accreditation-ALE-02-2018.doc	Laboratory Accreditation Form	2018-03-28T14:52:44-04:00	
CBOD20_2-1-18.PDF	Laboratory Analytical Report	2018-03-28T14:45:44-04:00	
W RTP_Sludge_02-2018.pdf	Laboratory Analytical Report	2018-03-28T14:58:51-04:00	
February 2018 SWM Report.xls	CSO Detached Outfall Report Form	2018-03-28T14:59:21-04:00	
CBOD20_2-20-18_INVALID.PDF	Laboratory Analytical Report	2018-03-28T14:48:37-04:00	
Influent and Precip Control_02-2018.xls	Influent and Precip Control Form	2018-03-28T14:52:23-04:00	
Hauled in Municipal Waste_02-2018.xls	Hauled-in Municipal Waste Form	2018-03-28T14:49:59-04:00	
DWR Cover Letter 02-2018.doc	Cover Letter	2018-03-27T10:11:56-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
54692	02/01/2018	02/26/2018	Total Suspended Solids	Weekly Average	20144	15500	lbs/day	Final Effluent (001)	See attached comments	See attached comments	The RAS flow for secondary clarifier T-18 dropped during a wet weather event on 2/11 leading to a 178 mg/L TSS result for the daily composite. This result drove the weekly average loading above permit limits. Staff unclogged the RAS piping during the event and normal operation resumed. To prevent further occurrences, we have modified the SOP for RAS operation during wet weather events.

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Overeered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	6108765523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 63, 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		
			AREA CODE	NUMBER	2018	3	27
DISANTISM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	02	01	TO	18	02	28
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory			23-00671			
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory			23-00671			
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory			23-00671			
pH		SM 4500 H+B		DELCORA - Central Laboratory			23-00671			
Ammonia as N		EPA 350.1		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 02/28/2018

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	02	01	TO	18	02	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 03/28/18

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP **Month:** February **Year:** 2018
Municipality: City of Chester **County:** Delaware **NPDES Permit No.:** PA0027103
Watershed: 3G **Renewal application due 180 days prior to expiration:** April 30, 2018
This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	29.69			458	113,407	3055.00	1.95	466999
2	32.85			338	92,602	3260.00	1.92	442272
3	29.66			250	61,841	3065.00	3.13	296846
4	44.10			268	98,569	2780.00	4.44	347534
5	42.86	226	80,784	254	90,793	3075.00	5.00	349200
6	33.95			362	102,498	2905.00	4.45	347409
7	50.48	352	148,193	350	147,351	2970.00	4.04	474465
8	44.48			302	112,031	2885.00	3.23	467707
9	34.97			320	93,328	3625.00	2.95	482363
10	39.14			226	73,773	3345.00	3.12	488547
11	78.37			282	184,317	2490.00	5.35	407804
12	55.29	302	139,258	320	147,558	2515.00	4.50	277559
13	44.33			324	119,787	2460.00	5.51	315773
14	38.18	291	92,661	238	75,784	2820.00	3.54	315960
15	41.90			286	99,942	3580.00	2.07	479967
16	49.30			228	93,745	2965.00	1.88	472471
17	39.74			92	30,492	3515.00	2.11	418179
18	45.50			128	48,572	3285.00	5.52	442129
19	39.69	353	116,848	302	99,966	3115.00	2.88	411234
20	37.57			320	100,267	3790.00	1.54	469689
21	35.14	463	135,690	456	133,639	4295.00	1.74	387756
22	37.46			332	103,722	3695.00	1.51	262093
23	40.08			294	98,275	3720.00	1.60	499774
24	37.51			194	60,690	3790.00	2.14	482513
25	51.39			178	76,289	3525.00	4.84	435689
26	41.32	373	128,539	328	113,032	3155.00	2.77	459981
27	37.23			262	81,351	3080.00	1.98	233471
28	36.98	244	75,253	242	74,636	2990.00	1.87	454423
29								
30								
31								
Avg	41.756	326	114,653	283	97,438	3,202	3	406,779
Max	78.37	463	148,193	458	184,317	4,295	6	499,774

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 Maintenance **Date:** 3/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: January Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware
 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)	Gallons	BOD ₅ (lbs)
1				Headworks				Sludge Thickening	78025			78,025	0
2				Headworks				Sludge Thickening	69942			69,942	0
3				Headworks				Sludge Thickening	36750			36,750	0
4				Headworks				Sludge Thickening					
5				Headworks				Sludge Thickening	58700			58,700	0
6				Headworks				Sludge Thickening	60455			60,455	0
7				Headworks				Sludge Thickening	46758			46,758	0
8				Headworks				Sludge Thickening	62331			62,331	0
9				Headworks				Sludge Thickening	62948			62,948	0
10				Headworks				Sludge Thickening	58200			58,200	0
11				Headworks				Sludge Thickening					
12				Headworks				Sludge Thickening	84200			84,200	0
13				Headworks				Sludge Thickening	46350			46,350	0
14				Headworks				Sludge Thickening	73566			73,566	0
15				Headworks				Sludge Thickening	68050			68,050	0
16				Headworks				Sludge Thickening	70475			70,475	0
17				Headworks				Sludge Thickening	49764			49,764	0
18				Headworks				Sludge Thickening					
19				Headworks				Sludge Thickening	102150			102,150	0
20				Headworks				Sludge Thickening	76850			76,850	0
21				Headworks				Sludge Thickening	65360			65,360	0
22				Headworks				Sludge Thickening	89940			89,940	0
23				Headworks				Sludge Thickening	89750			89,750	0
24				Headworks				Sludge Thickening	31330			31,330	0
25				Headworks				Sludge Thickening					
26				Headworks				Sludge Thickening	104695			104,695	0
27				Headworks				Sludge Thickening	69699			69,699	0
28				Headworks				Sludge Thickening	110600			110,600	0
29				Headworks				Sludge Thickening					
30				Headworks				Sludge Thickening					
31				Headworks				Sludge Thickening					
AVG									69,454			Monthly Totals: 1,666,888	

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 3/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: February Year: 2018
 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):			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)	Gallons	BOD ₅ (lbs)	
1	34050			Headworks	149866			Sludge Thickening	167800			Headworks	351,716	0
2	38050			Headworks	95583			Sludge Thickening	125300			Headworks	258,933	0
3	18000			Headworks	97007			Sludge Thickening	6000			Headworks	121,007	0
4				Headworks	106691			Sludge Thickening				Headworks	106,691	0
5	23100			Headworks	153301				62235			Headworks	238,636	0
6	32450			Headworks	149957			Sludge Thickening	130370			Headworks	312,777	0
7	17600			Headworks	103396			Sludge Thickening	98100			Headworks	219,096	0
8	34000			Headworks	121099			Sludge Thickening	151780			Headworks	306,879	0
9	35800			Headworks	40765			Sludge Thickening	133550			Headworks	210,115	0
10	5000			Headworks				Sludge Thickening	3500			Headworks	8,500	0
11				Headworks				Sludge Thickening				Headworks		
12	45700			Headworks	116170			Sludge Thickening	97100			Headworks	258,970	0
13	28700			Headworks	108870			Sludge Thickening	118142			Headworks	255,712	0
14	52400			Headworks	106070			Sludge Thickening	79600			Headworks	238,070	0
15	56605			Headworks				Sludge Thickening	120600			Headworks	177,205	0
16	39240			Headworks				Sludge Thickening	101400			Headworks	140,640	0
17	25500			Headworks				Sludge Thickening	7500			Headworks	33,000	0
18				Headworks				Sludge Thickening				Headworks		
19	47160			Headworks	31076			Sludge Thickening	116300			Headworks	194,536	0
20	46250			Headworks	104099			Sludge Thickening	111570			Headworks	261,919	0
21	32500			Headworks	95860			Sludge Thickening	86245			Headworks	214,605	0
22	39183			Headworks	117555			Sludge Thickening	99250			Headworks	255,988	0
23	35000			Headworks	102558			Sludge Thickening	122200			Headworks	259,758	0
24	12000			Headworks	10500			Sludge Thickening	20000			Headworks	42,500	0
25				Headworks				Sludge Thickening				Headworks		
26	74000			Headworks	126064			Sludge Thickening	83725			Headworks	283,789	0
27	45750			Headworks	140325			Sludge Thickening	137403			Headworks	323,478	0
28	36900			Headworks	86990			Sludge Thickening	95100			Headworks	218,990	0
29				Headworks				Sludge Thickening				Headworks		
30				Headworks				Sludge Thickening				Headworks		
31				Headworks				Sludge Thickening				Headworks		
AVG	35,622				103,038				94,782			Monthly Totals:	5,293,510	

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 Maintenance
 License No.: T0403
 Date: 3/28/2018



**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: 2018
 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 & Tligham	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: 3/16/2018

Cummings, Meghan

From: depgreenporthehelpdesk@state.pa.us
Sent: Thursday, April 26, 2018 2:01 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: 03/01/2018-03/31/2018
Report Due Date: 04/28/2018

Submitted By: Michael DiSantis
Submission Id: 96228
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 27, 2018

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, 2018.

There was one violation during the month for exceeding the monthly average cBOD₂₀ loading. All other parameters were in compliance during the month. Parameter averages for March, 2018 were: Flow – 44.01 MGD; cBOD₅ – 10 mg/l; TSS – 13 mg/L; cBOD₂₀ % removal – 94.47%; and cBOD₂₀ loading –12,626 lbs/day.

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

Respectfully submitted,

Electronically 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
S.J. Babylon via email with server link
Ian Piro 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-BPNPSM0462 3/2012



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2018	03	01	TO 2018	03	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	6.58	***	6.96	S.U.	Grab	1/day
	Permit Measurement	***	***	***	6.0	***	9.0	MAX	Grab	1/day
Total Suspended Solids	Sample Measurement	5219	4877	Bs/day	***	13	15	mg/L	24-Hr Composite	1/day
	Permit Measurement	11000 Avg Mo	16600 Wkly Avg	***	***	30 Avg Mo	45 Wkly Avg	***	24-Hr Composite	1/day
Oil and Grease	Sample Measurement	<1835	***	Bs/day	***	<5	<5	mg/L	Grab	1/day
	Permit Measurement	5500 Avg Mo	***	***	***	15 Avg Mo	30 MAX	***	Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	12.81	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	***	.83	1.86	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	2/month
Nitrate as N	Sample Measurement	***	***	***	***	2.15	3.45	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	2/month
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	14.95	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.827	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Chloroformomethane	Sample Measurement	***	***	***	***	.0021	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.0002	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0051	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.033	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Dichloromethane	Sample Measurement	***	***	***	***	.0033	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	Grab	1/month
Flow	Sample Measurement	44.01	80	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.71	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 MAX	***	Grab	1/day



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

Parameter	Measurement Type	Value	Unit	Frequency	675	985	Unit	Frequency	
Total Dissolved Solids	Sample Measurement	***	***	***	***	675	985	mg/L	
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	24-Hr Composite	
Fecal Coliform	Sample Measurement	***	***	***	***	27	195.6	No/100 ml	
	Permit Measurement	***	***	***	***	500 Geo Mean	1000 MAX	Grab	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3823	4262	1/day	***	10	10	mg/L	
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg	***	***	10 Avg Mo	20 Wkly Avg	24-Hr Composite	
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12828	***	1/day	***	***	***	24-Hr Composite	
	Permit Measurement	10500 Avg Mo	***	***	***	***	***	24-Hr Composite	
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	84.47	***	***	%	
	Permit Measurement	***	***	***	89.25 Mn Mo Avg	***	***	24-Hr Composite	
Biochemical Oxygen Demand (BOD5)	Sample Measurement	106680	***	1/day	***	315	***	mg/L	
	Permit Measurement	Monitor & Report Avg Mo	***	***	***	Monitor & Report Avg Mo	***	24-Hr Composite	
Total Suspended Solids	Sample Measurement	89795	***	1/day	***	242	***	mg/L	
	Permit Measurement	Monitor & Report Avg Mo	***	***	***	Monitor & Report Avg Mo	***	24-Hr Composite	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	77730	***	1/day	***	214	***	mg/L	
	Permit Measurement	Monitor & Report Avg Mo	***	***	***	Monitor & Report Avg Mo	***	24-Hr Composite	
Facility Comments									



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
CBO020_3-4-18.PDF	Laboratory Analytical Report	2018-04-26T12:28:24-04:00	
CBO020_3-8-18.PDF	Laboratory Analytical Report	2018-04-26T12:27:04-04:00	
CBO020_3-12-18.PDF	Laboratory Analytical Report	2018-04-26T12:27:40-04:00	
CBO020_3-27-18.PDF	Laboratory Analytical Report	2018-04-26T12:30:31-04:00	
DRBC_3-18-18.PDF	Laboratory Analytical Report	2018-04-26T12:22:04-04:00	
CBO020_3-11-18.PDF	Laboratory Analytical Report	2018-04-26T12:27:23-04:00	
CBO020_3-13-18.PDF	Laboratory Analytical Report	2018-04-26T12:27:57-04:00	
CBO020_3-15-18.PDF	Laboratory Analytical Report	2018-04-26T12:28:10-04:00	
Hauled in Municipal Waste_03-2018.xls	Hauled-In Municipal Waste Form	2018-04-26T12:39:29-04:00	
Influent and Process Control_03-2018.xls	Influent and Process Control Form	2018-04-26T12:40:25-04:00	
CBO020_3-22-18.PDF	Laboratory Analytical Report	2018-04-26T12:29:51-04:00	
CBO020_3-25-18.PDF	Laboratory Analytical Report	2018-04-26T12:30:11-04:00	
CBO020_3-19-18.PDF	Laboratory Analytical Report	2018-04-26T12:29:31-04:00	
DRBC_3-27-18.PDF	Laboratory Analytical Report	2018-04-26T12:22:40-04:00	
EFF_ALS_3-13-18.PDF	Laboratory Analytical Report	2018-04-26T12:23:02-04:00	
DMR Laboratory Accreditation-ALS-03-2018.doc	Laboratory Accreditation Form	2018-04-26T12:41:14-04:00	
WRTP_Sludge_03-2018.pdf	Laboratory Analytical Report	2018-04-26T12:42:16-04:00	
CBO020_3-29-18.PDF	Laboratory Analytical Report	2018-04-26T12:37:55-04:00	
CBO020_3-28-18.PDF	Laboratory Analytical Report	2018-04-26T12:36:48-04:00	
DMR Cover Letter 03-2018.doc	Cover Letter	2018-04-26T12:55:39-04:00	
Daily Effluent Monitoring Form-03-2018.xlsx	Daily Effluent Monitoring Form	2018-04-26T12:20:28-04:00	
Hauled In Residual Wastes_03-2018.xls	Hauled-In Residual Waste Form	2018-04-26T12:39:51-04:00	
CBO020_3-1-18_INVALID.PDF	Laboratory Analytical Report	2018-04-26T12:24:32-04:00	
Influent_W RTP_03-2018.pdf	Laboratory Analytical Report	2018-04-26T12:23:51-04:00	
CBO020_3-5-18.PDF	Laboratory Analytical Report	2018-04-26T12:28:43-04:00	
DRBC_3-20-18.PDF	Laboratory Analytical Report	2018-04-26T12:22:22-04:00	
CBO020_3-18-18_INVALID.PDF	Laboratory Analytical Report	2018-04-26T12:28:39-04:00	
Daily Influent Monitoring Form-03-2018.xlsx	Daily Influent Monitoring Form	2018-04-26T12:20:53-04:00	Daily Influent Monitoring Form-03-2018
DRBC_3-5-18.PDF	Laboratory Analytical Report	2018-04-26T12:21:22-04:00	
DRBC_3-12-18.PDF	Laboratory Analytical Report	2018-04-26T12:21:41-04:00	
Effluent_W RTP_03-2018.pdf	Laboratory Analytical Report	2018-04-26T12:23:21-04:00	
DMR Laboratory Accreditation-W RTP_03-2018.doc	Laboratory Analytical Report	2018-04-26T12:41:29-04:00	
March 2018 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2018-04-26T12:42:39-04:00	
Trucked Waste_03_2018.xlsx	Other	2018-04-26T12:43:01-04:00	Trucked Waste_03_2018
WRTP_ProcessControl_03-2018.pdf	Laboratory Analytical Report	2018-04-26T12:40:48-04:00	
Sewage Sludge Biosolids Production and Disposal Form_03-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-04-26T12:41:56-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
50237	03/01/2018	03/31/2018	BOD, carbonaceous, 20 day, 20 C	Average Monthly	12626	10500	lbs/day	Final Effluent (001)	See attached comments	See attached comments	Despite a monthly average CBOD5 of 13 mg/L, the monthly average loading which is based on CBOD20, exceeded the permit limit.

UNAUTHORISED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Water	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DeSantis	TD403	6108765923

SUBMISSION INFORMATION

3800-FM-BPNPSM0462 3/2012



pennsylvania
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		
DISANTISM		AREA CODE	NUMBER	2018	4	26	
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	03	01	TO	18	03	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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		SM4500-N-org B/SM4500-NH3 C		DELCORA - Central Laboratory			23-00671			
Fecal Coliform		SM 9222 D		DELCORA - Central Laboratory			23-00671			
BOD20/cBOD20		SM5210 B		DELCORA - Central Laboratory			23-00671			
pH		SM 4500 H+B		DELCORA - Central Laboratory			23-00671			
Ammonia as N		EPA 350.1		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 03/28/2018

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	03	01	TO	18	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							
Dichlorobromomethane	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 possibility 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: 04/28/18

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

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

Day	Influent					Process Control				
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Studge Wasted (gallons)		
1	42.50			336	119,095	2940.00	1.61	306483		
2	81.59			334	227,274	2440.00	2.45	331906		
3	62.87			158	82,845	2970.00	4.44	485039		
4	49.94			96	39,984	3445.00	5.45	490827		
5	46.10	353	135,719	342	131,490	3415.00	2.51	436584		
6	43.35			270	97,616	3425.00	2.41	409574		
7	62.94			188	98,685	3130.00	3.96	492879		
8	64.21	118	63,190	230	123,168	2750.00	4.03	378005		
9	55.00			244	111,923	2845.00	2.46	293468		
10	49.98			150	62,525	2970.00	3.52	479461		
11	45.26			114	43,031	2955.00	4.69	460294		
12	43.30	388	140,115	332	119,893	2970.00	2.30	425237		
13	42.89			254	90,856	3110.00	2.03	256010		
14	41.37	385	132,835	270	93,157	3145.00	2.00	184944		
15	38.92			294	95,430	3510.00	2.10	244533		
16	36.59			300	91,548	2790.00	2.44	251310		
17	36.67			188	57,496	3145.00	2.63	242188		
18	35.14			144	42,202	2970.00	5.03	106616		
19	36.20	341	102,951	326	98,422	2740.00	2.56	245106		
20	39.53			298	98,245	2750.00	2.01	256411		
21	43.34	267	96,509	242	87,472	3505.00	3.23	248071		
22	50.02			202	84,268	2885.00	3.64	225895		
23	46.35			160	61,849	3155.00	2.52	248799		
24	40.45			156	52,627	3845.00	2.59	254491		
25	36.28			122	36,914	4270.00	4.85	251293		
26	37.54	390	122,103	272	85,159	2890.00	2.68	259226		
27	36.91			346	106,509	2980.00	2.33	282388		
28	35.98	280	84,020	278	83,420	4085.00	2.03	451924		
29	37.45			286	89,327	3300.00	1.51	457779		
30	37.64			372	116,777	3675.00	1.53	454353		
31	35.09			186	54,433	3515.00	1.79	445521		
Avg	44.884		109,680		89,795	3,178	3	334,084		
Max	81.59		140,115		227,274	4,270	5	492,879		

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 Maintenance **Date:** 4/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: March Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration. This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify):			DAILY TOTALS		
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)	
1	56150			47094			157518			Headworks	260,762	0
2	84325			165660			134300			Headworks	384,285	0
3	21400			103400			6000			Headworks	130,800	0
4										Headworks		
5	53800			145129			86100			Headworks	285,029	0
6	51600			101384			98670			Headworks	251,654	0
7	2600			55100			39838			Headworks	97,538	0
8	62100			155684			99532			Headworks	317,316	0
9	47150			115785			86290			Headworks	249,225	0
10	9000			47400			23800			Headworks	80,200	0
11										Headworks		
12	97750			112700			76600			Headworks	287,050	0
13	69650			46344			55600			Headworks	171,594	0
14	71800			68128			101980			Headworks	241,908	0
15	81750			60500			95220			Headworks	237,570	0
16	60600			75780			213700			Headworks	350,080	0
17	5500			11122						Headworks	16,622	0
18										Headworks		
19	67200			89307			62900			Headworks	219,407	0
20	29980			39480			124570			Headworks	194,030	0
21							9500			Headworks	45,323	0
22	39700			35823			95380			Headworks	168,865	0
23	62400			33785			171600			Headworks	290,575	0
24	24906			56575						Headworks	24,906	0
25										Headworks		
26	49100			57221			72300			Headworks	178,621	0
27	56875			60913			125764			Headworks	243,552	0
28	54250			49737			90200			Headworks	194,187	0
29	62900			75274			156700			Headworks	294,874	0
30	54550			86753			168900			Headworks	310,203	0
31	6850						6700			Headworks	13,550	0
Avg	49,380			75,847			94,386			Monthly Totals:	5,539,726	0

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 License No.: T0403
 Title: Dir. Operations and Maintenance Date: 4/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELORA STP
Municipality: City of Chester
Watershed: 3G

County: Delaware

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

Year: 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)
1				Headworks				Headworks	64600		0
2				Headworks				Headworks	80200		0
3				Headworks				Headworks	91700		0
4				Headworks				Headworks	71710		0
5				Headworks				Headworks	132220		0
6				Headworks				Headworks	5500		0
7				Headworks				Headworks	100190		0
8				Headworks				Headworks	83320		0
9				Headworks				Headworks	29771		0
10				Headworks				Headworks	68360		0
11				Headworks				Headworks	95648		0
12				Headworks				Headworks	87500		0
13				Headworks				Headworks	39150		0
14				Headworks				Headworks	80990		0
15				Headworks				Headworks	45250		0
16				Headworks				Headworks	96150		0
17				Headworks				Headworks	78355		0
18				Headworks				Headworks	2750		0
19				Headworks				Headworks	38350		0
20				Headworks				Headworks	55765		0
21				Headworks				Headworks	38152		0
22				Headworks				Headworks	78600		0
23				Headworks				Headworks	64650		0
24				Headworks				Headworks	46300		0
25				Headworks				Headworks	85925		0
26				Headworks				Headworks	94350		0
27				Headworks				Headworks	25300		0
28				Headworks				Headworks	65,954		0
29				Headworks				Headworks	Monthly Totals:	1,780,756	0
30				Headworks				Headworks			0
31				Headworks				Headworks			0
Avg											

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: Headworks
Title: Dir. Operations and Maintenance

License No.: T0403
Date: 4/28/2018



**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: 2018
 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 & Tlghman	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
 Title: Dir. Of Operations and Maintenance

License No.: T0403
 Date: 4/18/2018

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, May 28, 2018 9:25 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: 04/01/2018-04/30/2018
Report Due Date: 05/28/2018

Submitted By: Michael DiSantis
Submission Id: 100268
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 24, 2018

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 April, 2018.

All parameters were in compliance during the monthly monitoring period. Parameter averages for April, 2018 were: Flow – 36.88 MGD; cBOD₅ – 9 mg/l; TSS – 14 mg/L; cBOD₂₀ % removal – 92.66%; and cBOD₂₀ loading –9,931 lbs/day.

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

Respectfully submitted,

Electronically 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
S.J. Babylon via email with server link
Ian Piro 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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2018	04	01	TO 2018	04	30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLE TYPE	SAMPLE FREQUENCY
	VALUE	UNITS	VALUE	UNITS		
pH	Sample Measurement	6.27	6.95	S.U.	Grab	1day
	Permit Measurement	6.0	9.0	MAX	Grab	1day
Total Suspended Solids	Sample Measurement	8259	14	18	24-Hr Composite	1day
	Permit Measurement	11000	30	45	24-Hr Composite	1day
Oil and Grease	Sample Measurement	<1538	45	45	Grab	1day
	Permit Measurement	5900	15	30	Grab	1day
Ammonia-Nitrogen	Sample Measurement	0.28	0.28	0.28	24-Hr Composite	5month
	Permit Measurement	0.28	0.28	0.28	24-Hr Composite	2month
Nitrite as N	Sample Measurement	1.41	1.41	2.83	24-Hr Composite	5month
	Permit Measurement	1.41	1.41	1.41	24-Hr Composite	2month
Nitrate as N	Sample Measurement	1.82	1.82	4.35	24-Hr Composite	5month
	Permit Measurement	1.82	1.82	1.82	24-Hr Composite	2month
Total Kjeldahl Nitrogen	Sample Measurement	11.33	11.33	11.33	24-Hr Composite	5month
	Permit Measurement	11.33	11.33	11.33	24-Hr Composite	2month
Cyanide, Total	Sample Measurement	0.090	0.090	0.090	24-Hr Composite	1month
	Permit Measurement	0.090	0.090	0.090	24-Hr Composite	1month
Chlorobromomethane	Sample Measurement	0.016	0.016	0.016	Grab	1month
	Permit Measurement	0.016	0.016	0.016	Grab	1month
Cadmium, Total	Sample Measurement	<0.002	<0.002	<0.002	24-Hr Composite	1month
	Permit Measurement	<0.002	<0.002	<0.002	24-Hr Composite	1month
Copper, Total	Sample Measurement	0.057	0.057	0.057	24-Hr Composite	1month
	Permit Measurement	0.057	0.057	0.057	24-Hr Composite	1month
Lead, Total	Sample Measurement	<0.010	<0.010	<0.010	24-Hr Composite	1month
	Permit Measurement	<0.010	<0.010	<0.010	24-Hr Composite	1month
Zinc, Total	Sample Measurement	0.250	0.250	0.250	24-Hr Composite	1month
	Permit Measurement	0.250	0.250	0.250	24-Hr Composite	1month
Dichlorobromomethane	Sample Measurement	0.023	0.023	0.023	Grab	1month
	Permit Measurement	0.023	0.023	0.023	Grab	1month
Flow	Sample Measurement	36.88	74.18	74.18	Measured	Continuous
	Permit Measurement	36.88	74.18	74.18	Measured	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	3	3	82	Grab	1day
	Permit Measurement	3	3	1.0	Grab	1day



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter 04-2018.doc	Cover Letter	2018-05-24T14:20:44-04:00	
Daily Influent Monitoring Form-04-2018.xlsx	Daily Effluent Monitoring Form	2018-05-24T14:20:44-04:00	
Daily Effluent Monitoring Form-04-2018.xlsx	Daily Effluent Monitoring Form	2018-05-24T14:20:22-04:00	
DMR Laboratory Accreditation-WRTP_04-2018.doc	Laboratory Accreditation Form	2018-05-24T14:42:02-04:00	
DMR Laboratory Accreditation-ALS-04-2018.doc	Laboratory Accreditation Form	2018-05-24T14:41:42-04:00	
Hauled In Municipal Waste_04-2018.xls	Hauled-In Municipal Waste Form	2018-05-24T14:40:59-04:00	
Hauled In Residual Waste_04-2018.xls	Hauled-In Residual Waste Form	2018-05-24T14:40:37-04:00	
Influent and Process Control_04-2018.xls	Influent and Process Control Form	2018-05-24T14:40:59-04:00	
Sewage Sludge Biosolids Production and Disposal Form_05-2018.xls	Sewage Sludge Biosolids Production and Disposal Form	2018-05-24T14:42:25-04:00	
Copy of April 2018 SWMM Report.xlsx	CSO Disabled Outfall Report Form	2018-05-24T14:43:09-04:00	
Trucked Waste_04-2018.xlsx	Other	2018-05-24T14:43:31-04:00	Trucked Waste_04-2018
CB0020_4-29-18.PDF	Laboratory Analytical Report	2018-05-24T14:35:41-04:00	
CB0020_4-19-18.PDF	Laboratory Analytical Report	2018-05-24T14:33:57-04:00	
CB0020_4-15-18.PDF	Laboratory Analytical Report	2018-05-24T14:31:48-04:00	
CB0020_4-11-18_INVALID.PDF	Laboratory Analytical Report	2018-05-24T14:31:08-04:00	
CB0020_4-30-18.PDF	Laboratory Analytical Report	2018-05-24T14:36:00-04:00	
CB0020_4-10-18.PDF	Laboratory Analytical Report	2018-05-24T14:32:35-04:00	
CB0020_4-5-18.PDF	Laboratory Analytical Report	2018-05-24T14:32:08-04:00	
WRTP_ProcessControl_04-2018.pdf	Laboratory Analytical Report	2018-05-24T14:41:21-04:00	
Influent_WRTP_04-2018.pdf	Laboratory Analytical Report	2018-05-24T14:39:37-04:00	
EFF_ALS_4-5-18.PDF	Laboratory Analytical Report	2018-05-24T14:38:47-04:00	
DRSC_4-3-18.PDF	Laboratory Analytical Report	2018-05-24T14:38:52-04:00	
DRSC_4-17-18.PDF	Laboratory Analytical Report	2018-05-24T14:38:25-04:00	
DRSC_4-10-18.PDF	Laboratory Analytical Report	2018-05-24T14:37:12-04:00	
M/R_CB0020_4-29-18-04-30-18.pdf	Laboratory Analytical Report	2018-05-24T14:36:22-04:00	
WRTP_Sewage_04-2018.pdf	Laboratory Analytical Report	2018-05-24T14:42:48-04:00	
CB0020_4-22-18.PDF	Laboratory Analytical Report	2018-05-24T14:34:24-04:00	
CB0020_4-17-18.PDF	Laboratory Analytical Report	2018-05-24T14:33:37-04:00	
CB0020_4-15-18.PDF	Laboratory Analytical Report	2018-05-24T14:33:16-04:00	
CB0020_4-12-18.PDF	Laboratory Analytical Report	2018-05-24T14:32:53-04:00	
CB0020_4-3-18.PDF	Laboratory Analytical Report	2018-05-24T14:31:28-04:00	
Effluent_WRTP_04-2018.pdf	Laboratory Analytical Report	2018-05-24T14:31:07-04:00	
CB0020_4-28-18.PDF	Laboratory Analytical Report	2018-05-24T14:35:22-04:00	
CB0020_4-24-18.PDF	Laboratory Analytical Report	2018-05-24T14:34:58-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0423	8108765523

SUBMISSION INFORMATION



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

SUBMITTED BY GREENPORT USER DISANTISM	<p>*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).</p>	Michael DiSantis SUBMITTED BY FULL NAME	TELEPHONE AREA CODE NUMBER AREA CODE NUMBER		DATE 5 28 MO DAY	
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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: DEL CORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	18	04	01	TO	18	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
Dichlorobromomethane	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 possibility 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: 05/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	04	01	TO	18	04	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	SM4500-N-org B/SM4500-NH3 C	DELCORA - Central Laboratory	23-00671							
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671							
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671							
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671							
Ammonia as N	EPA 350.1	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 04/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: April Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G This permit will expire on: April 30, 2018
 Renewal application due 180 days prior to expiration.

Day	Influent				Process Control			
	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	34.68			138	39,914	4875.00	3.88	330403
2	38.49	353	113,315	332	106,574	3000.00	2.49	275165
3	37.17			384	119,039	2975.00	1.96	441064
4	36.96	300	92,474	248	76,445	3310.00	2.48	388854
5	34.73			358	103,694	3060.00	2.61	359767
6	34.51			260	74,831	3100.00	2.39	416198
7	34.04			168	47,694	3730.00	1.41	428014
8	32.74			160	43,688	3225.00	4.00	433494
9	33.41	330	91,951	350	97,524	3845.00	2.04	364184
10	33.57			360	100,791	2705.00	1.83	433050
11	31.93	375	99,861	360	77,758	2520.00	2.28	421633
12	32.24			346	93,033	3195.00	1.85	403563
13	32.42			376	101,664	3200.00	1.89	423129
14	31.11			198	51,373	3130.00	1.22	360729
15	33.90			210	59,372	2535.00	2.89	310221
16	79.00	229	150,879	448	295,169	2210.00	2.02	329191
17	56.12			288	125,435	2755.00	2.98	409763
18	46.39	323	124,966	258	99,818	3240.00	2.17	381506
19	42.35			228	79,823	3480.00	1.76	389198
20	39.25			200	65,469	3415.00	1.81	367482
21	36.79			150	46,024	4845.00	1.57	333366
22	35.78			124	37,002	4070.00	3.26	283015
23	35.60	443	131,528	246	73,038	3395.00	1.77	323702
24	36.30			300	88,321	3585.00	1.55	224917
25	39.55	243	80,153	224	73,886	3545.00	1.53	314883
26	35.25			282	82,904	3450.00	1.29	425206
27	38.68			274	88,390	3335.00	1.66	255248
28	35.72			204	60,773	3465.00	1.53	250234
29	37.15			130	40,278	3455.00	3.84	160537
30	34.02	287	81,430	234	66,392	3445.00	1.88	233536
31								
Avg	37.962	320	107,395	258	83,871	3,337	2	349,042
Max	79.0	443	150,879	448	295,169	4,875	4	441,064

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 License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 5/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

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

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)
1				Headworks				Headworks			
2	50350			Headworks	132444			Sludge Thickening	88400		271,194
3	66650			Headworks	85558			Sludge Thickening	153311		305,519
4	51759			Headworks	108894			Sludge Thickening	87100		247,753
5	44850			Headworks	129049			Sludge Thickening	153464		327,363
6	35950			Headworks	116486			Sludge Thickening	84649		237,085
7				Headworks	87100			Sludge Thickening			87,100
8				Headworks				Sludge Thickening			
9	49500			Headworks	128990			Sludge Thickening	109650		288,140
10	24450			Headworks	121201			Sludge Thickening	174900		320,551
11	49400			Headworks	119228			Sludge Thickening	140623		309,251
12	29550			Headworks	117159			Sludge Thickening	180225		326,934
13	65900			Headworks	117163			Sludge Thickening	114822		297,685
14	25200			Headworks				Sludge Thickening			25,200
15				Headworks				Sludge Thickening			
16	75108			Headworks	104753			Sludge Thickening	143470		323,331
17	72150			Headworks	110699			Sludge Thickening	140000		322,849
18	46980			Headworks	103909			Sludge Thickening	130500		281,389
19	68050			Headworks	134500			Sludge Thickening	165691		368,241
20	59510			Headworks	114600			Sludge Thickening	121575		295,685
21	16200			Headworks				Sludge Thickening	21000		37,200
22				Headworks				Sludge Thickening			
23	52550			Headworks	132400			Sludge Thickening	65250		250,200
24	53800			Headworks	115300			Sludge Thickening	152890		321,990
25	54660			Headworks	94700			Sludge Thickening	86180		235,540
26	50450			Headworks	80658			Sludge Thickening	170900		302,008
27	47755			Headworks	86360			Sludge Thickening	108500		242,615
28	25493			Headworks				Sludge Thickening			25,493
29				Headworks				Sludge Thickening			
30	40216			Headworks	105969			Sludge Thickening	36000		182,185
31				Headworks				Sludge Thickening			
Avg	48,187				111,233				119,495		6,232,501
											Monthly Totals:

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 License No.: T0403
 Title: Dir. Operations and Maintenance Date: 5/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: April Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G This permit will expire on: April 30, 2018
 Renewal application due 180 days prior to expiration.

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)
1				Headworks				Headworks			
2				Headworks				Headworks	75,750		0
3				Headworks				Headworks	105,192		0
4				Headworks				Headworks	68,400		0
5				Headworks				Headworks	90,275		0
6				Headworks				Headworks	61,100		0
7				Headworks				Headworks	22,850		0
8				Headworks				Headworks	96,800		0
9				Headworks				Headworks	88,254		0
10				Headworks				Headworks	76,500		0
11				Headworks				Headworks	67,690		0
12				Headworks				Headworks	59,350		0
13				Headworks				Headworks	37,950		0
14				Headworks				Headworks	42,165		0
15				Headworks				Headworks	114,017		0
16				Headworks				Headworks	85,500		0
17				Headworks				Headworks	116,592		0
18				Headworks				Headworks	49,650		0
19				Headworks				Headworks	42,800		0
20				Headworks				Headworks	80,060		0
21				Headworks				Headworks	57,500		0
22				Headworks				Headworks	52,200		0
23				Headworks				Headworks	93,180		0
24				Headworks				Headworks	76,601		0
25				Headworks				Headworks	18,093		0
26				Headworks				Headworks	93,950		0
27				Headworks				Headworks			
28				Headworks				Headworks			
29				Headworks				Headworks			
30				Headworks				Headworks			
31				Headworks				Headworks			
Avg								Monthly Totals:	70,897	1,772,419	

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Prepared By: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 5/28/2018



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: 2018
 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	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: 5/16/2018



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

NAME: **DELCORA**
 ADDRESS: **100 EAST FIFTH STREET P.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

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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	05	01	TO	2018	05	31

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	***	***	***	6.17	***	6.81	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3171	4258	lbs/day	***	10.0	11.0	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	<1604	***	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	***	***	***	***	2.3	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.44	1.13	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	7.45	14.8	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	4.74	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0320	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	.0017	***	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	***	***	***	***	.0062	***	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	***	***	***	***	.0038	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Flow (50050)	Sample Measurement	38.48	64.17	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.67	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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



Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	606	785	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	64.4	No./100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	1875	2288	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	5841	***	lbs/day	***	***	***	***	5/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Comments										

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



NAME: DELCORA
 ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2018	05	01	TO	2018	05	31

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	***	***	***	96.15	***	***	%	5/week	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Comments										



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

NAME: **DELCORA**
 ADDRESS: **100 EAST FIFTH STREET P.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

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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	05	01	TO	2018	05	31

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	82001	***	lbs/day	***	262	***	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	95950	***	lbs/day	***	304	***	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	64057	***	lbs/day	***	206	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Comments										

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

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter 05-2018.doc	Cover Letter	2018-08-02T14:27:43-04:00	
Daily Influent Monitoring Form-05-2018.xlsx	Daily Effluent Monitoring Form	2018-08-02T13:57:06-04:00	Daily Influent Monitoring Form-05-2018
Daily Effluent Monitoring Form-05-2018.xlsx	Daily Effluent Monitoring Form	2018-08-02T13:56:38-04:00	
DMR Laboratory Accreditation-WRTP-05-2018.doc	Laboratory Accreditation Form	2018-08-02T14:27:11-04:00	
DMR Laboratory Accreditation-ALS-05-2018.doc	Laboratory Accreditation Form	2018-08-02T14:26:49-04:00	
Hauled In Municipal Waste_05-2018.xls	Hauled-In Municipal Waste Form	2018-08-02T14:25:08-04:00	
Hauled In Residual Wastes_05-2018.xls	Hauled-In Residual Waste Form	2018-08-02T14:25:40-04:00	
Influent and Process Control_05-2018.xls	Influent and Process Control Form	2018-08-02T14:26:07-04:00	
Sewage Sludge Biosolids Production and Disposal Form_05-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-08-02T14:28:30-04:00	
May 2018 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2018-08-02T14:29:38-04:00	
Trucked Waste_05-2018.xlsx	Other	2018-08-02T14:30:00-04:00	Trucked Waste_05-2018
WRTP DMR Complete Report for May 2018 - no eDMR.pdf	Other	2018-08-02T14:30:51-04:00	WRTP DMR Complete Report for May 2018 - no eDMR
FAX confirmation page.pdf	Other	2018-08-02T14:28:09-04:00	FAX confirmation page
CBOD20_MJR_5-30-18.pdf	Laboratory Analytical Report	2018-08-02T14:24:24-04:00	
CBOD20_MJR_5-29-18.pdf	Laboratory Analytical Report	2018-08-02T14:24:05-04:00	
CBOD20_MJR_5-28-18.pdf	Laboratory Analytical Report	2018-08-02T14:23:45-04:00	
CBOD20_MJR_5-24-18.pdf	Laboratory Analytical Report	2018-08-02T14:23:25-04:00	
CBOD20_MJR_5-24-18.pdf	Laboratory Analytical Report	2018-08-02T14:23:06-04:00	
CBOD20_MJR_5-23-18.pdf	Laboratory Analytical Report	2018-08-02T14:22:42-04:00	
WRTP_Sludge_05-2018.pdf	Laboratory Analytical Report	2018-08-02T14:29:00-04:00	
CBOD20_MJR_5-22-18.pdf	Laboratory Analytical Report	2018-08-02T14:21:15-04:00	
CBOD20_MJR_5-17-18.pdf	Laboratory Analytical Report	2018-08-02T14:20:10-04:00	
CBOD20_MJR_5-16-18.pdf	Laboratory Analytical Report	2018-08-02T14:19:50-04:00	
CBOD20_MJR_5-15-18.pdf	Laboratory Analytical Report	2018-08-02T14:19:30-04:00	
CBOD20_MJR_5-9-18.pdf	Laboratory Analytical Report	2018-08-02T14:18:09-04:00	
CBOD20_MJR_5-8-18.pdf	Laboratory Analytical Report	2018-08-02T14:17:46-04:00	
CBOD20_MJR_5-7-18.pdf	Laboratory Analytical Report	2018-08-02T14:17:26-04:00	
CBOD20_MJR_5-6-18.pdf	Laboratory Analytical Report	2018-08-02T14:17:07-04:00	
CBOD20_MJR_5-1-18.pdf	Laboratory Analytical Report	2018-08-02T14:16:03-04:00	
CBOD20_5-29-18.PDF	Laboratory Analytical Report	2018-08-02T14:15:02-04:00	
CBOD20_5-31-18.PDF	Laboratory Analytical Report	2018-08-02T14:15:40-04:00	
CBOD20_5-30-18.PDF	Laboratory Analytical Report	2018-08-02T14:15:21-04:00	
CBOD20_5-28-18.PDF	Laboratory Analytical Report	2018-08-02T14:14:45-04:00	
CBOD20_MJR_5-21-18.pdf	Laboratory Analytical Report	2018-08-02T14:20:55-04:00	
CBOD20_MJR_5-31-18.pdf	Laboratory Analytical Report	2018-08-02T14:24:42-04:00	
CBOD20_5-24-18.PDF	Laboratory Analytical Report	2018-08-02T14:14:27-04:00	
CBOD20_5-23-18.PDF	Laboratory Analytical Report	2018-08-02T14:14:05-04:00	
CBOD20_5-22-18.PDF	Laboratory Analytical Report	2018-08-02T14:13:22-04:00	
CBOD20_5-8-18.PDF	Laboratory Analytical Report	2018-08-02T14:09:38-04:00	
CBOD20_5-3-18.PDF	Laboratory Analytical Report	2018-08-02T14:08:34-04:00	
WRTP_ProcessControl_05-2018.pdf	Laboratory Analytical Report	2018-08-02T14:26:27-04:00	
CBOD20_5-21-18.PDF	Laboratory Analytical Report	2018-08-02T14:13:00-04:00	
CBOD20_5-7-18.PDF	Laboratory Analytical Report	2018-08-02T14:09:17-04:00	
CBOD20_5-2-18.PDF	Laboratory Analytical Report	2018-08-02T14:00:44-04:00	
CBOD20_MJR_5-20-18.pdf	Laboratory Analytical Report	2018-08-02T14:22:13-04:00	
CBOD20_MJR_5-14-18.pdf	Laboratory Analytical Report	2018-08-02T14:19:07-04:00	
CBOD20_MJR_5-13-18.pdf	Laboratory Analytical Report	2018-08-02T14:18:47-04:00	
CBOD20_MJR_5-10-18.pdf	Laboratory Analytical Report	2018-08-02T14:18:27-04:00	
CBOD20_MJR_5-3-18.pdf	Laboratory Analytical Report	2018-08-02T14:16:42-04:00	
CBOD20_MJR_5-2-18.pdf	Laboratory Analytical Report	2018-08-02T14:16:21-04:00	
CBOD20_5-20-18.PDF	Laboratory Analytical Report	2018-08-02T14:12:38-04:00	
CBOD20_5-17-18.PDF	Laboratory Analytical Report	2018-08-02T14:12:14-04:00	
CBOD20_5-16-18.PDF	Laboratory Analytical Report	2018-08-02T14:11:53-04:00	
CBOD20_5-15-18.PDF	Laboratory Analytical Report	2018-08-02T14:11:32-04:00	
CBOD20_5-14-18.PDF	Laboratory Analytical Report	2018-08-02T14:11:11-04:00	



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

CBOD20_5-13-18.PDF	Laboratory Analytical Report	2018-08-02T14:10:52-04:00	
CBOD20_5-10-18.PDF	Laboratory Analytical Report	2018-08-02T14:10:27-04:00	
CBOD20_5-9-18_INVALID.PDF	Laboratory Analytical Report	2018-08-02T14:10:00-04:00	
CBOD20_5-6-18.PDF	Laboratory Analytical Report	2018-08-02T14:08:57-04:00	
CBOD20_5-1-18.PDF	Laboratory Analytical Report	2018-08-02T14:00:25-04:00	
Influent_W RTP_05-2018.pdf	Laboratory Analytical Report	2018-08-02T13:59:33-04:00	
EFF_W RTP_05-2018.pdf	Laboratory Analytical Report	2018-08-02T13:59:12-04:00	
EFF_ALS_5-1-18.PDF	Laboratory Analytical Report	2018-08-02T13:58:44-04:00	
DRBC_5-21-18.PDF	Laboratory Analytical Report	2018-08-02T13:58:25-04:00	
DRBC_5-17-18.PDF	Laboratory Analytical Report	2018-08-02T13:57:52-04:00	
DRBC_5-8-18.PDF	Laboratory Analytical Report	2018-08-02T13:57:31-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
68934			Late DMR Submission	DMR was filed by paper on time due to problems with eDMR system. This filing is just to close out the open report in eDMR.

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	6108765523

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	2018	8	3
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

June 28, 2018

COPY

FED EX – NEXT DAY

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 May, 2018. All parameters were in compliance for the monthly reporting period. Due to technical issues with the PADEP eDMR system, the May 2018 DMR is being submitted via fax.

Parameter averages for May, 2018 were: Flow – 38.48 MGD; cBOD₅ – 6 mg/l; TSS – 10 mg/L; cBOD₂₀ % removal – 96.15 %; and cBOD₂₀ loading – 5,841 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: bab
enclosures

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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PRIMARY FACILITY NAME/ADDRESS

NAME DELCORA STP
CLIENT DELCORA
ADDRESS 100 East Fifth Street

PA0027103 A-2
PERMIT NUMBER

001
OUTFALL NUMBER

Interim

Reporting Frequency: Monthly
DMR Effective From: August 1, 2017
Completion of plant expansion
DMR Effective To: April 30, 2018
Permit Expires: November 1, 2017
Permit Application Due: November 1, 2017

Check Here if No Discharge

NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	05	01	2018 05 31

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS				
Carbonaceous Biochemical Oxygen Demand (CBOD5)	MEASUREMENT	1875	2288	6	7		1/day	24-hr Com
	PERMIT REQUIREMENT	7000	10500	19	Wkly Avg	mg/L	1/day	24-Hr Composite
Total Suspended Solids	MEASUREMENT	3171	4258	10	11		1/day	24-hr Com
	PERMIT REQUIREMENT	11000	16500	30	Wkly Avg	mg/L	1/day	24-Hr Composite
Total Dissolved Solids	MEASUREMENT	XXX	XXX	606	785		5/week	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	Report Daily Max	mg/L	2/month	24-Hr Composite
Oil and Grease	MEASUREMENT	<1604	XXX	<5	<5		1/day	Grab
	PERMIT REQUIREMENT	5600	XXX	15	IMAX	mg/L	1/day	Grab
Ammonia-Nitrogen	MEASUREMENT	XXX	XXX	2.3			4/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L	2/month	24-Hr Composite
Copper, Total	MEASUREMENT	XXX	XXX	0.0062			1/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L	1/month	24-Hr Composite

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, or knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
Micheal DiSantis, Dir. Of Operations	876-5523	2018 06 28
TYPED OR PRINTED	AREA CODE	NUMBER
	610	876-5523
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	NUMBER	YEAR
<i>Michael DiSantis</i>		2018
	MO	DAY
		06 28

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PRIMARY FACILITY NAME/ADDRESS

NAME DELCORA STP
 CLIENT DELCORA
 ADDRESS 100 East Fifth Street
 Chester, PA 19016-0999
 LOCATION Chester City
 Delaware County
 WATERSHED 3-G

PA0027103 A-2
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: August 1, 2017
 DMR Effective To: April 30, 2018
 Permit Expires: April 30, 2018
 Permit Application Due: November 1, 2017

Check Here if No Discharge
 NOTE: Read Instructions before completing this form

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	05	01	31

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS				
Flow	SAMPLE MEASUREMENT	38.48	64.17					Continuous	Metered
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	XXX		Continuous	Metered
pH	SAMPLE MEASUREMENT			6.17				1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	6.0 Inst Min	XXX	S.U.		1/day	Grab
Total Residual Chlorine (TRC)	SAMPLE MEASUREMENT			0.4				1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	0.5 Avg Mo	XXX	mg/L		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) Raw Sewage Influent	SAMPLE MEASUREMENT	64057		206				1/day	24-hr Com
	PERMIT REQUIREMENT	Report Avg Mo	XXX	Report Avg Mo	XXX	mg/L		1/day	24-Hr Composite
Biochemical Oxygen Demand (BOD5) Raw Sewage Influent	SAMPLE MEASUREMENT	82001		262				2/week	24-hr Com
	PERMIT REQUIREMENT	Report Avg Mo	XXX	Report Avg Mo	XXX	mg/L		1/week	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C	SAMPLE MEASUREMENT	5841						5/week	24-hr Com
	PERMIT REQUIREMENT	10500 Avg Mo	XXX	XXX	XXX	XXX		1/week	24-Hr Composite

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 furnished the information, the information is complete, true, correct, and accurate. I am aware that there are significant penalties for providing false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Micheal DiSantis, Dir. Of Operations
 TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 TELEPHONE 876-5523
 DATE 2018 06 28
 AREA CODE 610
 NUMBER 876-5523
 YEAR 2018
 MO 06
 DAY 28

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PRIMARY FACILITY NAME/ADDRESS

NAME DELCORA STP
 CLIENT DELCORA
 ADDRESS 100 East Fifth Street
 Chester, PA 19016-0999
 LOCATION Chester City
 Delaware County
 WATERSHED 3-G

PA0027103 A-2
 PERMIT NUMBER

001
 OUTFALL NUMBER

MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 2018 05 01 TO 2018 05 31

Reporting Frequency: Monthly
 DMR Effective From: August 1, 2017
 DMR Effective To: April 30, 2018
 Permit Expires: April 30, 2018
 Permit Application Due: November 1, 2017

Check Here if No Discharge
 NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLER MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS				
BOD, carbonaceous, 20 day, 20 C Percent Removal	SAMPLE MEASUREMENT			96.15				5/week	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	89.25 Min Mo Avg	XXX	%		1/week	24-Hr Composite
	SAMPLE MEASUREMENT	95950		304				1/day	24-hr Com
Total Suspended Solids Raw Sewage Influent	PERMIT REQUIREMENT	Report Avg Mo	XXX	Report Avg Mo	XXX	mg/L		1/day	24-Hr Composite
	SAMPLE MEASUREMENT	XXX	XXX	XXX				1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	200 Geo Mean	1000 IMAX	No./100 ml		1/day	Grab
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	XXX	XXX	13	64.4			1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	200 Geo Mean	1000 IMAX	No./100 ml		1/day	Grab
	SAMPLE MEASUREMENT	XXX	XXX	7.45	14.8			4/month	24-hr Com
Fecal Coliform May 1 - Sep 30	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	Report Daily Max	mg/L		2/month	24-Hr Composite
	SAMPLE MEASUREMENT	XXX	XXX	0.44	1.13			4/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	Report Daily Max	mg/L		2/month	24-Hr Composite
Nitrate as N	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX			1/day	Grab
	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			1/day	Grab
Nitrite as N	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX			1/day	Grab
	SAMPLE MEASUREMENT	XXX	XXX	XXX	XXX			1/day	Grab
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX			1/day	Grab

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 statements).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
Micheal DiSantis, Dir. Of Operations	610 876-5523	2018 06 28
TYPED OR PRINTED	NUMBER	YEAR MO DAY
	AREA CODE	2018 06 28
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
<i>M. DiSantis</i>		

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PRIMARY FACILITY NAME/ADDRESS

NAME DELCOA STP
 CLIENT DELCOA
 ADDRESS 100 East Fifth Street
Chester, PA 19016-0999
 LOCATION Chester City
Delaware County
 WATERSHED 3-G

PA0027103 A-2
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: August 1, 2017
 DMR Effective To: April 30, 2018
 Permit Expires: April 30, 2018
 Permit Application Due: November 1, 2017

MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 2018 05 01 TO 2018 05 31

Check Here if No Discharge
 NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE				
Total Kjeldahl Nitrogen	MEASUREMENT			4.74				3/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		2/month	Composite
	MEASUREMENT			<0.0002				1/month	24-hr Com
Cadmium, Total	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	24-Hr Composite
	MEASUREMENT			0.0320				1/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	24-Hr Composite
Cyanide, Total	MEASUREMENT			<0.001				1/month	24-hr Com
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	24-Hr Composite
	MEASUREMENT			0.028				1/month	24-hr Com
Lead, Total	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	24-Hr Composite
	MEASUREMENT			0.0017				1/month	24-Hr Composite
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	Grab
Zinc, Total	MEASUREMENT							1/month	Grab
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	Grab
	MEASUREMENT							1/month	Grab
Chlorodibromomethane	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	Grab
	MEASUREMENT							1/month	Grab
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	Grab

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
Micheal DiSantis, Dir. Of Operations	610 876-5523	2018 06 2018
TYPED OR PRINTED	NUMBER	YEAR MO DAY
	AREA CODE	2018 06 2018

MJD/bab
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PRIMARY FACILITY NAME/ADDRESS

NAME DELCORA STP
 CLIENT DELCORA
 ADDRESS 100 East Fifth Street
 Chester, PA 19016-0999
 LOCATION Chester City
 Delaware County
 WATERSHED 3-G

PA0027103 A-2
 PERMIT NUMBER

001
 OUTFALL NUMBER

MONITORING PERIOD
 YEAR: MO DAY TO YEAR MO DAY
 2018 05 01 TO 2018 05 31

Reporting Frequency: Monthly
 DMR Effective From: August 1, 2017
 DMR Effective To: April 30, 2018
 Permit Expires: April 30, 2018
 Permit Application Due: November 1, 2017

Check Here if No Discharge
 NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS				
Dichlorobromomethane		XXX	XXX	0.0038	Report Avg Mo	mg/L		1/month	Grab
		XXX	XXX	XXX	XXX	XXX		1/month	Grab

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Micheal DiSantis, Dir. Of Operations
 TYPED OR PRINTED

TELEPHONE
 610 876-5523
 AREA CODE NUMBER

DATE
 2018 06 28
 YEAR MO DAY

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
M. DiSantis

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	18	05	01	TO	18	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 possibility 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: 06/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: DELCORA

Address: P.O. Box 999

Chester, PA 19016

19016

PERMIT NUMBER	MONITORING PERIOD						
	Year/Month/Day						
PA0027103	18	05	01	TO	18	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	SM4500-N-org B/SM4500-NH3 C	DELCORA - Central Laboratory	23-00671
Fecal Coliform	SM 9222 D	DELCORA - Central Laboratory	23-00671
BOD20/cBOD20	SM5210 B	DELCORA - Central Laboratory	23-00671
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671
Ammonia as N	EPA 350.1	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: 06/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP Month: May Year: 2018
 Municipality: City of Chester County: Delaware
 Watershed: 3G
 NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	33.33			376	104,518	3135.00	1.44	491000.00		
2	34.17	235	66,970	332	94,613	2570.00	2.08	486000.00		
3	35.72			318	94,734	3115.00	1.18	481000.00		
4	32.23			400	107,519	3215.00	1.40	507000.00		
5	31.49			382	100,323	3510.00	1.30	515000.00		
6	32.19			184	49,397	3275.00	2.76	485000.00		
7	32.60	318	86,459	344	93,528	3205.00	2.08	496000.00		
8	31.96			404	107,685	3280.00	1.51	504000.00		
9	31.86	267	70,945	334	88,748	3150.00	2.10	503000.00		
10	31.66			492	129,910	3245.00	1.44	503000.00		
11	31.18			399	103,756	3460.00	1.68	504000.00		
12	45.49			290	110,022	3160.00	1.21	513000.00		
13	41.58			196	67,968	3560.00	2.10	540000.00		
14	45.41	300	113,616	396	149,973	3540.00	1.58	558000.00		
15	42.59			302	107,271	3765.00	1.37	582000.00		
16	43.85	256	93,622	310	113,370	3630.00	1.39	572000.00		
17	64.62			166	89,463	2380.00	1.76	545000.00		
18	44.97			332	124,517	3875.00	1.69	560000.00		
19	63.85			190	101,177	3240.00	1.37	575000.00		
20	49.29			106	43,574	3585.00	1.97	575000.00		
21	41.98	196	68,622	294	102,933	3795.00	1.36	575000.00		
22	42.96			376	134,716	3484.33	1.35	575000.00		
23	41.93	228	79,731	262	91,620	3105.00	1.48	507000.00		
24	37.19			432	133,991	2890.00	1.32	567000.00		
25	36.56			296	90,253	2890.00	1.31	575000.00		
26	35.73			188	56,022	3120.00	1.29	591000.00		
27	33.81			140	39,477	2900.00	1.69	575000.00		
28	33.96	119	33,704	150	42,484	2870.00	1.93	594000.00		
29	36.60			282	86,079	2650.00	2.35	583000.00		
30	33.96	439	124,336	402	113,857	2955.00	2.12	588000.00		
31	34.00			356	100,947	3315.00	1.18	572000.00		
Avg	38.991	262	82,001	304	95,950	3,222	2	541,839		
Max	64.62	439	124,336	492	149,973	3,875	3	594,000		

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License No.: T0403
 Date: 6/28/2018
 Prepared By: Micheal DiSantis
 Title: Dir. Of Operations and Maintenance



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: May Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G 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)
1	4500			Headworks	56965			Sludge Thickening	69800		
2	57894			Headworks	51626			Sludge Thickening	49650		
3	41600			Headworks	44956			Sludge Thickening	113464		
4	32850			Headworks	66817			Sludge Thickening	73900		
5	16800			Headworks				Sludge Thickening	30100		
6				Headworks				Sludge Thickening			
7	41900			Headworks	99298			Sludge Thickening	125500		
8	61700			Headworks	70900			Sludge Thickening	108150		
9	70220			Headworks	119115			Sludge Thickening	81905		
10	75154			Headworks	108284			Sludge Thickening	104350		
11	68145			Headworks	146450			Sludge Thickening	77900		
12	10400			Headworks	6000			Sludge Thickening	32900		
13				Headworks				Sludge Thickening			
14	68800			Headworks	111000			Sludge Thickening	90574		
15	60100			Headworks	85989			Sludge Thickening	69050		
16	31600			Headworks	94682			Sludge Thickening	81700		
17	56125			Headworks	123800			Sludge Thickening	75185		
18	56150			Headworks	111400			Sludge Thickening	81400		
19	6500			Headworks	14000			Sludge Thickening	58750		
20				Headworks				Sludge Thickening			
21	61450			Headworks	116910			Sludge Thickening	94700		
22	38650			Headworks	137220			Sludge Thickening	138850		
23	52982			Headworks	147100			Sludge Thickening	114900		
24	48800			Headworks	128120			Sludge Thickening	95115		
25	50950			Headworks	71250			Sludge Thickening	99700		
26	15942			Headworks				Sludge Thickening	39700		
27				Headworks				Sludge Thickening			
28				Headworks				Sludge Thickening			
29	61300			Headworks	134102			Sludge Thickening	90358		
30	61600			Headworks	95958			Sludge Thickening	70598		
31	75250			Headworks	115230			Sludge Thickening	74718		
Avg	48,783				94,049				82,420		
									Monthly Totals:	5,668,451	

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Prepared By: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 6/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: May Year: 2018
 Municipality: City of Chester County: Delaware
 Watershed: 3G
 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			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 (lbs)	
1				Headworks				Headworks	120,515	0	
2				Headworks				Headworks	185,584	0	
3				Headworks				Headworks	137,900	0	
4				Headworks				Headworks	120,600	0	
5				Headworks				Headworks	9,000	0	
6				Headworks				Headworks	102,600	0	
7				Headworks				Headworks	160,950	0	
8				Headworks				Headworks	177,109	0	
9				Headworks				Headworks	158,149	0	
10				Headworks				Headworks	160,129	0	
11				Headworks				Headworks	160,129	0	
12				Headworks				Headworks	17,600	0	
13				Headworks				Headworks	125,900	0	
14				Headworks				Headworks	158,570	0	
15				Headworks				Headworks	210,800	0	
16				Headworks				Headworks	166,376	0	
17				Headworks				Headworks	102,800	0	
18				Headworks				Headworks	39,000	0	
19				Headworks				Headworks	102,830	0	
20				Headworks				Headworks	104,427	0	
21				Headworks				Headworks	125,850	0	
22				Headworks				Headworks	181,472	0	
23				Headworks				Headworks	96,285	0	
24				Headworks				Headworks			
25				Headworks				Headworks			
26				Headworks				Headworks			
27				Headworks				Headworks			
28				Headworks				Headworks			
29				Headworks				Headworks	150,200	0	
30				Headworks				Headworks	91,500	0	
31				Headworks				Headworks	125,397	0	
Avg								Monthly Totals:	3,131,543	0	

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License No.: T0403
 Date: 6/28/2018
 Prepared By: Michael DiSantis
 Title: Dir. Operations and Maintenance

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-PA00000435 3/2012

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

Month: 5 2018
Year: 2018
Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Parameter	Flow MGD	TSS		BOD5		COD5		RI	Q	G	Q	G	Q	G	Q	G
				RI	Q	RI	Q	RI	Q									
1	Sun	4/29/18																
	Mon	4/30/18	33.33	375				370										
	Tue	5/1/18	34.17	318				235										
	Wed	5/2/18	35.72	400				293										
	Thu	5/3/18	32.23	352				443										
	Fri	5/4/18	31.49	352				198										
	Sat	5/5/18	32.19	344				125										
2	Sun	5/6/18	32.50	316				316										
	Mon	5/7/18	31.96	404				364										
	Tue	5/8/18	31.85	452				267										
	Wed	5/9/18	31.18	359				252										
	Thu	5/10/18	31.19	359				252										
	Fri	5/11/18	31.18	359				252										
	Sat	5/12/18	31.18	359				252										
3	Sun	5/13/18	41.35	188				300										
	Mon	5/14/18	45.41	302				172										
	Tue	5/15/18	42.59	302				162										
	Wed	5/16/18	43.65	310				255										
	Thu	5/17/18	44.62	185				108										
	Fri	5/18/18	44.87	332				190										
	Sat	5/19/18	43.85	180				182										
4	Sun	5/20/18	49.29	195				185										
	Mon	5/21/18	41.36	324				219										
	Tue	5/22/18	42.83	352				228										
	Wed	5/23/18	42.82	432				305										
	Thu	5/24/18	37.19	286				309										
	Fri	5/25/18	38.55	286				309										
	Sat	5/26/18	35.73	140				144										
5	Sun	5/27/18	33.81	188				100										
	Mon	5/28/18	33.95	150				119										
	Tue	5/29/18	35.50	282				206										
	Wed	5/30/18	33.95	455				455										
	Thu	5/31/18	34.00	355				303										
	Fri	5/1/18																
	Sat	5/2/18																
Daily Maximum (Each):				106				119										
Daily Minimum (Each):				432				429										
Max Avg Weekly (Each):				382				293										
Avg Monthly (Each):				364				252										
Geometric Mean (Each):				107677				105619										
Max Avg Weekly (Each):				95950				92007										
Avg Monthly (Each):				291744				237646										
Total Monthly (Each):				2114				23764										
Daily Maximum (Each):				143973				122333										

I certify under penalty of law that this document was prepared under my direct supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my knowledge and belief, 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
Title: Dir. Of Operations and Maintenance
License No.: TB463
Date: 6/28/2018



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: May Year: 2018
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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	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: 6/16/2018

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



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

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	06	01	FROM	2018	06	30
			TO			

FROM

TO

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	***	***	***	6.37	***	6.86	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2430	3324	lbs/day	***	8	10	mg/L	1/day	24-Hr Composite
	Permit Requirement	12500 Avg Mo	18760 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1457	***	lbs/day	***	<5	<5	mg/L	1/day	Grab
	Permit Requirement	6250 Avg Mo	***		***	15 Avg Mo	30 IMAX		1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	944	***	lbs/day	***	3.12	***	mg/L	4/month	24-Hr Composite
	Permit Requirement	9590 Avg Mo	***		***	23 Avg Mo	***		2/month	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.26	.39	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	7.31	9	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	8.36	***	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0320	***	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	***	***	***	***	.0074	.0074	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	.027 Avg Mo	.053 Daily Max		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	.0010	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0250	***	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	34.75	57.89	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.81	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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



Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	606	733	mg/L	5/week	24-Hr Composite
	Permit Requirement	***	***	***	***	1000 Avg Mo	2000 Daily Max		2/month	24-Hr Composite
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	17	248.1	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	1666	2264	lbs/day	***	6	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	7000 Avg Mo	10500 Wkly Avg		***	***	17 Avg Mo		25 Wkly Avg	1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	7464	***	lbs/day	***	***	***	***	5/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		***	1/week	24-Hr Composite
Facility Comments										

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



NAME: DELCORA
 ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2018	06	01	TO	2018	06	30

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	***	***	***	95.27	***	***	%	5/week	24-Hr Composite
	Permit Requirement	***	***		89.25	***	***		1/week	24-Hr Composite
Facility Comments										



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

NAME: **DELCORA**
 ADDRESS: **100 EAST FIFTH STREET P.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

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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	06	01	TO	2018	06	30

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	106518	***	lbs/day	***	343	***	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	89349	***	lbs/day	***	298	***	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	72269	***	lbs/day	***	245	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Comments										

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

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter 06-2018.doc	Cover Letter	2018-07-28T08:22:07-04:00	
Daily Influent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-07-26T16:43:04-04:00	Daily Influent Monitoring Form-06-2018
Daily Effluent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-07-26T16:42:06-04:00	
DMR Laboratory Accreditation-WRTP-06-2018.doc	Laboratory Accreditation Form	2018-07-26T17:06:12-04:00	
DMR Laboratory Accreditation-ALS-06-2018.doc	Laboratory Accreditation Form	2018-07-26T16:56:55-04:00	
Hauled In Municipal Waste_06-2018.xls	Hauled-In Municipal Waste Form	2018-07-26T16:55:21-04:00	
Hauled In Residual Wastes_06-2018.xls	Hauled-In Residual Waste Form	2018-07-26T16:55:44-04:00	
WRTP_ProcessControl_06-2018.pdf	Influent and Process Control Form	2018-07-26T16:56:26-04:00	
Influent and Process Control_06-2018.xls	Influent and Process Control Form	2018-07-26T16:56:11-04:00	
Sewage Sludge Biosolids Production and Disposal Form_06-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-07-26T16:58:54-04:00	
WRTP_Sludge_05-2018.pdf	Sewage Sludge / Biosolids Production and Disposal Form	2018-07-26T16:59:27-04:00	
CBOD20_6-11-18.PDF	Laboratory Analytical Report	2018-07-26T16:46:14-04:00	
EFF_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-07-26T16:43:49-04:00	
EFF_ALS_6-6-18.PDF	Laboratory Analytical Report	2018-07-26T16:53:35-04:00	
CBOD20_MJR_6-5-18.pdf	Laboratory Analytical Report	2018-07-26T16:51:17-04:00	
CBOD20_MJR_6-3-18.pdf	Laboratory Analytical Report	2018-07-26T16:50:44-04:00	
CBOD20_6-27-18.PDF	Laboratory Analytical Report	2018-07-26T16:50:03-04:00	
CBOD20_6-26-18.PDF	Laboratory Analytical Report	2018-07-26T16:49:48-04:00	
CBOD20_6-24-18.PDF	Laboratory Analytical Report	2018-07-26T16:49:16-04:00	
CBOD20_6-18-18.PDF	Laboratory Analytical Report	2018-07-26T16:47:55-04:00	
CBOD20_MJR_6-7-18.pdf	Laboratory Analytical Report	2018-07-26T16:51:47-04:00	
CBOD20_MJR_6-6-18.pdf	Laboratory Analytical Report	2018-07-26T16:51:31-04:00	
CBOD20_6-21-18.PDF	Laboratory Analytical Report	2018-07-26T16:48:59-04:00	
CBOD20_6-19-18.PDF	Laboratory Analytical Report	2018-07-26T16:48:13-04:00	
CBOD20_6-13-18.PDF	Laboratory Analytical Report	2018-07-26T16:47:01-04:00	
CBOD20_6-12-18.PDF	Laboratory Analytical Report	2018-07-26T16:46:40-04:00	
CBOD20_6-5-18.PDF	Laboratory Analytical Report	2018-07-26T16:45:13-04:00	
CBOD20_6-4-18.PDF	Laboratory Analytical Report	2018-07-26T16:44:52-04:00	
Influent_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-07-26T16:44:08-04:00	
EFF_ALS_6-6-18.PDF	Laboratory Analytical Report	2018-07-26T16:43:27-04:00	
CBOD20_6-25-18.PDF	Laboratory Analytical Report	2018-07-26T16:49:32-04:00	
CBOD20_6-17-18.PDF	Laboratory Analytical Report	2018-07-26T16:47:39-04:00	
CBOD20_6-14-18.PDF	Laboratory Analytical Report	2018-07-26T16:47:18-04:00	
Influent_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-07-26T16:54:34-04:00	
EFF_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-07-26T16:54:17-04:00	
CBOD20_MJR_6-11-18.pdf	Laboratory Analytical Report	2018-07-26T16:52:29-04:00	
CBOD20_6-28-18.PDF	Laboratory Analytical Report	2018-07-26T16:50:26-04:00	
CBOD20_6-20-18.PDF	Laboratory Analytical Report	2018-07-26T16:48:34-04:00	
CBOD20_6-3-18.PDF	Laboratory Analytical Report	2018-07-26T16:44:32-04:00	
CBOD20_MJR_6-4-18.pdf	Laboratory Analytical Report	2018-07-26T16:51:00-04:00	
CBOD20_MJR_6-10-18.pdf	Laboratory Analytical Report	2018-07-26T16:52:05-04:00	
CBOD20_6-10-18.PDF	Laboratory Analytical Report	2018-07-26T16:45:57-04:00	
CBOD20_6-7-18.PDF	Laboratory Analytical Report	2018-07-26T16:45:38-04:00	
CBOD20_MJR_6-14-18.pdf	Laboratory Analytical Report	2018-07-26T16:53:18-04:00	
CBOD20_MJR_6-13-18.pdf	Laboratory Analytical Report	2018-07-26T16:53:01-04:00	
CBOD20_MJR_6-12-18.pdf	Laboratory Analytical Report	2018-07-26T16:52:46-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**



OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	6108765523

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	2018	7	28
disantism		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

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

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	06	01	FROM	2018	06	30
			TO			

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	***	***	***	6.37	***	6.86	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2430	3324	lbs/day	***	8.0	10.0	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	<1457	***	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	***	***	***	***	3.12	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.26	.39	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	7.31	9	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	8.36	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	***	***	.0320	***	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	***	***	***	***	.0074	***	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	***	***	***	***	.0250	***	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	34.75	57.89	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.5	.81	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab

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



Total Dissolved Solids (70295)	Sample Measurement	***	***	***	***	606	733	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	***	***	***	***	17	248.1	No./100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	1000 IMAX		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	1666	2264	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	7464	***	lbs/day	***	***	***	***	5/week	24-Hr Composite
	Permit Requirement	10500 Avg Mo	***		***	***	***		1/week	24-Hr Composite
Facility Comments										

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



NAME: DELCORA
 ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	06	01	TO	2018	06	30

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	***	***	***	95.27	***	***	%	5/week	24-Hr Composite
	Permit Requirement	***	***		89.25 Min Mo Avg	***	***		1/week	24-Hr Composite
Facility Comments										



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

NAME: **DELCORA**
 ADDRESS: **100 EAST FIFTH STREET P.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

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

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	06	01	TO	2018	06	30

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	106518	***	lbs/day	***	343	***	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	89349	***	lbs/day	***	298	***	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	72269	***	lbs/day	***	245	***	mg/L	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/day	24-Hr Composite
Facility Comments										

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

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
CBOD20_6-5-18.PDF	Laboratory Analytical Report	2018-08-09T09:38:11-04:00	
CBOD20_6-7-18.PDF	Laboratory Accreditation Form	2018-08-09T09:38:31-04:00	
CBOD20_6-17-18.PDF	Laboratory Analytical Report	2018-08-09T09:40:36-04:00	
WRTP DMR Jun 2018.pdf	Other	2018-08-09T09:55:20-04:00	WRTP DMR Jun 2018
DRBC_6-11-18.PDF	Laboratory Analytical Report	2018-08-09T09:34:16-04:00	
CBOD20_6-12-18.PDF	Laboratory Analytical Report	2018-08-09T09:39:34-04:00	
CBOD20_6-18-18.PDF	Laboratory Analytical Report	2018-08-09T09:40:58-04:00	
CBOD20_6-19-18.PDF	Laboratory Analytical Report	2018-08-09T09:41:22-04:00	
CBOD20_6-20-18.PDF	Laboratory Analytical Report	2018-08-09T09:41:39-04:00	
CBOD20_6-21-18.PDF	Laboratory Analytical Report	2018-08-09T09:42:01-04:00	
CBOD20_6-24-18.PDF	Laboratory Analytical Report	2018-08-09T09:42:32-04:00	
CBOD20_6-25-18.PDF	Laboratory Analytical Report	2018-08-09T09:42:53-04:00	
CBOD20_6-26-18.PDF	Laboratory Analytical Report	2018-08-09T09:43:13-04:00	
CBOD20_6-13-18.PDF	Laboratory Analytical Report	2018-08-09T09:39:52-04:00	
CBOD20_6-27-18.PDF	Laboratory Analytical Report	2018-08-09T09:43:35-04:00	
CBOD20_6-28-18.PDF	Laboratory Analytical Report	2018-08-09T09:43:53-04:00	
CBOD20_MJR_6-3-18.pdf	Laboratory Analytical Report	2018-08-09T09:44:18-04:00	
Daily Influent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-08-09T09:31:04-04:00	Daily Influent Monitoring Form-06-2018
DRBC_6-5-18.PDF	Laboratory Analytical Report	2018-08-09T09:34:00-04:00	
Daily Effluent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-08-09T09:30:45-04:00	
DRBC_6-18-18.PDF	Laboratory Analytical Report	2018-08-09T09:34:34-04:00	
CBOD20_6-11-18.PDF	Laboratory Analytical Report	2018-08-09T09:39:13-04:00	
CBOD20_6-10-18.PDF	Laboratory Analytical Report	2018-08-09T09:38:52-04:00	
CBOD20_6-14-18.PDF	Laboratory Analytical Report	2018-08-09T09:40:16-04:00	
CBOD20_MJR_6-11-18.pdf	Laboratory Analytical Report	2018-08-09T09:48:48-04:00	
CBOD20_MJR_6-12-18.pdf	Laboratory Analytical Report	2018-08-09T09:49:11-04:00	
CBOD20_MJR_6-13-18.pdf	Laboratory Analytical Report	2018-08-09T09:49:34-04:00	
CBOD20_MJR_6-4-18.pdf	Laboratory Analytical Report	2018-08-09T09:47:24-04:00	
CBOD20_MJR_6-5-18.pdf	Laboratory Analytical Report	2018-08-09T09:47:44-04:00	
CBOD20_MJR_6-7-18.pdf	Laboratory Analytical Report	2018-08-09T09:48:09-04:00	
CBOD20_MJR_6-10-18.pdf	Laboratory Analytical Report	2018-08-09T09:48:27-04:00	
CBOD20_MJR_6-14-18.pdf	Laboratory Analytical Report	2018-08-09T09:49:53-04:00	
Hauled In Municipal Waste_06-2018.xls	Hauled-In Municipal Waste Form	2018-08-09T09:50:43-04:00	
Hauled In Residual Wastes_06-2018.xls	Hauled-In Residual Waste Form	2018-08-09T09:51:13-04:00	
Influent and Process Control_06-2018.xls	Influent and Process Control Form	2018-08-09T09:51:37-04:00	
WRTP_ProcessControl_06-2018.pdf	Laboratory Analytical Report	2018-08-09T09:51:54-04:00	
DMR Laboratory Accreditation-ALS-06-2018.doc	Laboratory Accreditation Form	2018-08-09T09:52:16-04:00	
DMR Laboratory Accreditation-WRTP-06-2018.doc	Laboratory Accreditation Form	2018-08-09T09:52:34-04:00	
Sewage Sludge Biosolids Production and Disposal Form_06-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-08-09T09:53:02-04:00	
WRTP_Sludge_05-2018.pdf	Laboratory Analytical Report	2018-08-09T09:53:18-04:00	
Complete DMR for WRTP June 2018.pdf	Other	2018-08-09T09:54:22-04:00	Complete DMR for WRTP June 2018
June 2018 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2018-08-09T09:54:49-04:00	
DRBC_6-26-18.PDF	Laboratory Analytical Report	2018-08-09T09:34:55-04:00	
EFF_ALS_6-6-18.PDF	Laboratory Analytical Report	2018-08-09T09:35:12-04:00	
EFF_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-08-09T09:35:31-04:00	
Influent_WRTP_06-2018.pdf	Laboratory Analytical Report	2018-08-09T09:35:50-04:00	
CBOD20_6-3-18.PDF	Laboratory Analytical Report	2018-08-09T09:37:19-04:00	
CBOD20_6-4-18.PDF	Laboratory Analytical Report	2018-08-09T09:37:51-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
69096			Late DMR Submission	The report was filed on time but due to eDMR system issues had to be re-filed once the system issues were corrected.

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	T0403	6108765523

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		SUBMITTED BY FULL NAME	610	-876-5523	2018	8	9
			AREA CODE	NUMBER	YEAR	MO	DAY

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Saturday, July 28, 2018 8:24 AM
To: DiSantis, Michael; DiSantis, Michael; Piro, Ian
Subject: Your eDMR Report Has Been Received For Permit No. PA0027103

Follow Up Flag: Flag for follow up
Flag Status: Flagged

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: 06/01/2018-06/30/2018
Report Due Date: 07/28/2018

Submitted By: Michael DiSantis
Submission Id: 108448
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, 2018

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 June, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for June, 2018 were: Flow – 34.75 MGD; cBOD₅ – 6 mg/l; TSS – 8 mg/L; cBOD₂₀ % removal – 95.27 %; and cBOD₂₀ loading – 7,464 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
Steve Babylon via email with server link
Ian Piro via email with server link
File



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET-P.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	
2018	06	01	TO
	2018	06	30

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

PARAMETERS REPORTED VALUES

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	UNITS	VALUE	UNITS		
PH (00400)	Sample Measurement	6.57	***	6.57	S.U.	1/day	Grab
	Permit Requirement	5.0	Inst Min	9.0	IMAX	1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3324	lb/day	10	mg/L	1/day	24-Hr Composite
	Permit Requirement	1760	Wly Avg	45	Wly Avg	1/day	24-Hr Composite
Oil and Grease (00555)	Sample Measurement	<1457	lb/day	<5	mg/L	1/day	Grab
	Permit Requirement	6250	Avg Mo	30	IMAX	1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	944	lb/day	3.12	mg/L	4/month	24-Hr Composite
	Permit Requirement	9580	Avg Mo	23	***	2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	26	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Daily Max	***	2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	7.31	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Daily Max	***	2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	8.36	mg/L	4/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	0.020	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	24-Hr Composite
Chlorodibromomethane (24003)	Sample Measurement	***	***	0.011	mg/L	1/month	Grab
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	<0.002	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	0.074	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	0.027	Daily Max	1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	0.010	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	24-Hr Composite
Zinc, Total (01062)	Sample Measurement	***	***	0.020	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	0.014	mg/L	1/month	Grab
	Permit Requirement	***	***	Monitor & Report Avg Mo	***	1/month	Grab
Fluoride (50050)	Sample Measurement	57.89	MGD	***	***	Continuous	Method
	Permit Requirement	Monitor & Report Daily Max	***	***	***	Continuous	Method
Total Residual Chlorine (TRC) (50060)	Sample Measurement	1.0	***	5	mg/L	1/day	Grab
	Permit Requirement	***	***	1.0	IMAX	1/day	Grab



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

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

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	06	01	2018	06	30

Reporting Frequency: Monthly
DMR Effective From: 06/01/2018
DMR Effective To: 06/30/2018
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	UNITS	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (B0207)	95.27	mg/l	86.25	%	5/week	24-Hr Composite
					1/week	24-Hr Composite

Facility Comments



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

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

PERMIT NUMBER
PA0027103

CUT-ALL NUMBER
001

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM	2018	06	TO	2018	06
		01			30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	155518	lbs/day	***	mg/L	2/week	24-Hr Composite
	Monitor & Report Avg Mo		543		1/week	24-Hr Composite
Total Suspended Solids (00330)	89349	lbs/day	***	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		298		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00382)	72289	lbs/day	***	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		245		1/day	24-Hr Composite

Facility Comments

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



ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter_09-2018.doc	Cover Letter	2018-07-28T16:22:07-04:00	
Daily Influent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-07-28T16:43:04-04:00	Daily Influent Monitoring Form-06-2018
Daily Effluent Monitoring Form-06-2018.xlsx	Daily Effluent Monitoring Form	2018-07-28T16:42:06-04:00	
DMR Laboratory Accreditation-WRTT-06-2018.doc	Laboratory Accreditation Form	2018-07-28T16:36:12-04:00	
DMR Laboratory Accreditation-ALS-06-2018.doc	Laboratory Accreditation Form	2018-07-28T16:36:55-04:00	
Hauled in Municipal Waste_06-2018.xls	Hauled in Municipal Waste Form	2018-07-28T16:55:21-04:00	
Hauled in Residential Wastes_06-2018.xls	Hauled in Residential Wastes Form	2018-07-28T16:55:44-04:00	
WRTT_ProcessControl_06-2018.pdf	Influent and Process Control Form	2018-07-28T16:56:36-04:00	
Influent and Process Control_06-2018.xls	Influent and Process Control Form	2018-07-28T16:58:11-04:00	
Sewage Sludge Biosolids Production and Disposal Form_06-2018.xls	Sewage Sludge/ Biosolids Production and Disposal Form	2018-07-28T16:59:54-04:00	
WRTT_Sludge_05-2018.pdf	Sewage Sludge/ Biosolids Production and Disposal Form	2018-07-28T16:59:27-04:00	
CB0020_5-11-18.PDF	Laboratory Analytical Report	2018-07-28T16:46:14-04:00	
EFF_WRTT_06-2018.pdf	Laboratory Analytical Report	2018-07-28T16:43:09-04:00	
EFF_ALS_6-6-18.PDF	Laboratory Analytical Report	2018-07-28T16:53:35-04:00	
CB0020_MJR_6-6-18.pdf	Laboratory Analytical Report	2018-07-28T16:50:44-04:00	
CB0020_MJR_6-3-18.pdf	Laboratory Analytical Report	2018-07-28T16:50:03-04:00	
CB0020_5-27-18.PDF	Laboratory Analytical Report	2018-07-28T16:49:48-04:00	
CB0020_5-26-18.PDF	Laboratory Analytical Report	2018-07-28T16:49:16-04:00	
CB0020_5-24-18.PDF	Laboratory Analytical Report	2018-07-28T16:47:55-04:00	
CB0020_5-18-18.PDF	Laboratory Analytical Report	2018-07-28T16:51:47-04:00	
CB0020_MJR_5-7-18.pdf	Laboratory Analytical Report	2018-07-28T16:51:31-04:00	
CB0020_MJR_6-6-18.pdf	Laboratory Analytical Report	2018-07-28T16:48:59-04:00	
CB0020_5-21-18.PDF	Laboratory Analytical Report	2018-07-28T16:48:13-04:00	
CB0020_5-18-18.PDF	Laboratory Analytical Report	2018-07-28T16:47:01-04:00	
CB0020_5-13-18.PDF	Laboratory Analytical Report	2018-07-28T16:46:04-04:00	
CB0020_5-12-18.PDF	Laboratory Analytical Report	2018-07-28T16:45:54-04:00	
CB0020_5-6-18.PDF	Laboratory Analytical Report	2018-07-28T16:45:13-04:00	
CB0020_6-4-18.PDF	Laboratory Analytical Report	2018-07-28T16:44:52-04:00	
Influent_WRTT_06-2018.pdf	Laboratory Analytical Report	2018-07-28T16:43:27-04:00	
EFF_ALS_6-6-18.PDF	Laboratory Analytical Report	2018-07-28T16:43:04-04:00	
CB0020_5-25-18.PDF	Laboratory Analytical Report	2018-07-28T16:42:32-04:00	
CB0020_5-17-18.PDF	Laboratory Analytical Report	2018-07-28T16:42:04-04:00	
CB0020_5-14-18.PDF	Laboratory Analytical Report	2018-07-28T16:41:54-04:00	
Influent_WRTT_06-2018.pdf	Laboratory Analytical Report	2018-07-28T16:54:34-04:00	
EFF_WRTT_06-2018.pdf	Laboratory Analytical Report	2018-07-28T16:54:17-04:00	
CB0020_MJR_5-11-18.pdf	Laboratory Analytical Report	2018-07-28T16:52:29-04:00	
CB0020_5-29-18.PDF	Laboratory Analytical Report	2018-07-28T16:50:26-04:00	
CB0020_5-20-18.PDF	Laboratory Analytical Report	2018-07-28T16:44:20-04:00	
CB0020_5-3-18.PDF	Laboratory Analytical Report	2018-07-28T16:51:03-04:00	
CB0020_MJR_6-10-18.pdf	Laboratory Analytical Report	2018-07-28T16:52:05-04:00	
CB0020_5-10-18.PDF	Laboratory Analytical Report	2018-07-28T16:45:57-04:00	
CB0020_5-7-18.PDF	Laboratory Analytical Report	2018-07-28T16:45:38-04:00	
CB0020_MJR_5-14-18.pdf	Laboratory Analytical Report	2018-07-28T16:53:18-04:00	
CB0020_MJR_5-13-18.pdf	Laboratory Analytical Report	2018-07-28T16:53:01-04:00	
CB0020_MJR_6-12-18.pdf	Laboratory Analytical Report	2018-07-28T16:52:46-04:00	

PERMIT VIOLATIONS

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

OTHER PERMIT VIOLATIONS

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. DiSantis	TD463	610765523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE		DATE	
	AREA CODE	NUMBER	YEAR	MO
disantism	610	-876-5523	2018	7
				28
				DAY

*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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	06	01	TO	18	06	30
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 07/28/2018

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	06	01	TO	18	06	30
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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			
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 07/28/18

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: June Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	34.75			262	75,932	3305.00	1.16	586000.00
2	36.02			192	57,678	3205.00	1.28	592000.00
3	48.26			226	90,962	3190.00	1.98	582000.00
4	48.36	253	102,041	322	129,870	2530.00	2.06	546000.00
5	39.71			350	115,913	2850.00	2.04	507000.00
6	34.53	336	96,761	346	99,641	3080.00	1.44	503000.00
7	34.14			368	104,780	3215.00	1.22	529000.00
8	36.84			136	41,785	3150.00	1.20	559000.00
9	33.74			174	48,962	3485.00	1.33	581000.00
10	34.12			164	46,668	2760.00	2.42	563000.00
11	59.02	259	127,487	352	173,264	2210.00	1.69	519000.00
12	40.72			248	84,222	2635.00	2.04	504000.00
13	37.17	255	79,049	232	71,919	2930.00	1.87	509000.00
14	35.49			308	91,164	2660.00	2.02	466000.00
15	33.87			456	128,809	3155.00	1.17	462000.00
16	32.42			158	42,720	3800.00	1.18	490000.00
17	32.17			166	44,537	3375.00	1.36	517000.00
18	33.62	500	140,195	472	132,344	2970.00	1.24	489000.00
19	34.21			286	81,599	3170.00	1.19	496000.00
20	33.19	360	99,650	372	102,971	2955.00	1.25	501000.00
21	37.90			340	107,469	3105.00	1.18	397000.00
22	33.35			452	125,719	3370.00	1.17	502000.00
23	32.96			218	59,925	3495.00	1.18	473000.00
24	33.32			180	50,020	3200.00	1.74	478000.00
25	32.69	301	82,063	286	77,973	3630.00	1.45	486000.00
26	31.59			384	101,169	2865.00	1.41	519000.00
27	31.07	482	124,898	420	108,832	2730.00	1.57	500000.00
28	32.26			416	111,924	3200.00	1.46	337000.00
29	31.49			398	104,525	2975.00	1.68	503000.00
30	30.98			260	67,177	3095.00	1.37	494000.00
31								
Avg	35.999	343	105,518	298	89,349	3,077	2	506,333
Max	59.02	500	140,195	472	173,264	3,800	2	592,000

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 Maintenance Date: 7/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: June Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G 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)	Gallons	BOD ₅ (lbs)
1	54750			Headworks	71786			Sludge Thickening	114733			241,269	0
2	12000			Headworks				Sludge Thickening	53579			65,579	0
3				Headworks				Sludge Thickening					
4	59150			Headworks	94888			Sludge Thickening	79130			233,168	0
5	77350			Headworks	109900			Sludge Thickening	107700			294,950	0
6	47238			Headworks	105500			Sludge Thickening	100800			253,538	0
7	67650			Headworks	137900			Sludge Thickening	60094			265,644	0
8	45550			Headworks	83100			Sludge Thickening	91800			220,450	0
9	16700			Headworks				Sludge Thickening	97700			114,400	0
10				Headworks				Sludge Thickening					
11	112499			Headworks	98398			Sludge Thickening	115700			326,597	0
12	76058			Headworks	107636			Sludge Thickening	95478			279,172	0
13	58150			Headworks	104552			Sludge Thickening	41400			204,102	0
14	73050			Headworks	122987			Sludge Thickening	104400			300,437	0
15	58950			Headworks	87550			Sludge Thickening	77900			224,400	0
16	13000			Headworks				Sludge Thickening	28400			41,400	0
17				Headworks				Sludge Thickening					
18	66800			Headworks	99700			Sludge Thickening	77900			244,400	0
19	76437			Headworks	115900			Sludge Thickening	74688			267,025	0
20	70850			Headworks	93900			Sludge Thickening	109950			274,700	0
21	65350			Headworks	147500			Sludge Thickening	79900			292,750	0
22	70200			Headworks	131647			Sludge Thickening	86150			287,997	0
23	8500			Headworks				Sludge Thickening	28111			36,611	0
24				Headworks	106900			Sludge Thickening				106,900	0
25	74700			Headworks	91400			Sludge Thickening	85080			251,180	0
26	49800			Headworks	106900			Sludge Thickening	89900			246,600	0
27	58704			Headworks	162200			Sludge Thickening	44250			265,154	0
28	44450			Headworks	81600			Sludge Thickening	66721			192,771	0
29	33601			Headworks				Sludge Thickening	76550			110,151	0
30	14100			Headworks				Sludge Thickening	53591			67,691	0
31				Headworks				Sludge Thickening					
AVG	54,061				107,707				78,523			5,709,036	

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Prepared By: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 7/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

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

Day	SEPTAGE			SLUDGE			OTHER (specify): <u>Package Plant</u>			DAILY TOTALS		
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (lbs)
1										Headworks	11,000	0
2										Headworks	12,500	0
3										Headworks		
4										Headworks	125,960	0
5										Headworks	198,700	0
6										Headworks	181,800	0
7										Headworks	137,300	0
8										Headworks	147,919	0
9										Headworks		
10										Headworks		
11										Headworks	107,507	0
12										Headworks	132,270	0
13										Headworks	131,700	0
14										Headworks	157,658	0
15										Headworks	101,350	0
16										Headworks	4,000	0
17										Headworks		
18										Headworks	95,200	0
19										Headworks	116,400	0
20										Headworks	115,900	0
21										Headworks	167,035	0
22										Headworks	134,800	0
23										Headworks	17,200	0
24										Headworks		
25										Headworks	102,700	0
26										Headworks	124,600	0
27										Headworks	177,700	0
28										Headworks	165,016	0
29										Headworks	126,900	0
30										Headworks	19,500	0
31										Headworks		
Avg										Monthly Totals:	2,912,615	

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Prepared By: Michael DiSantis License No.: T0403
 Title: Dir. Operations and Maintenance Date: 7/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FR-SPNS004S 3/2013

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

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

County: Delaware

Week	Day	Flow MGD	pH	Fecal Coliform CFU/100 ml	CBOD5		CBOD20		CBOD30		TSS mg/L	TSS %	TDS mg/L	Oil and Grease		TRC mg/L	NH3-N mg/L	NO2-N mg/L	TKN mg/L	Total Copper		Total Lead	
					Q	1	Q	1	Q	1				Q	1					Q	1	Q	1
1	Fr	33.92	6.92	23.50	6	32	35.14	7	97.33	403	0.27	5	5	0.27	0.19	4.82	0.0074	0.001					
	Sat	62/18	6.74	14.40	5	32	35.14	7	96.88	733	0.51	5	5	0.65	4.5	13.83	0.0074	0.001					
	Sun	63/18	6.50	10.70	6	32	35.14	7	96.90	684	0.65	5	5	0.58	4.5	13.83	0.0074	0.001					
	Mon	64/18	6.50	19.90	6	32	35.14	10	96.89	684	0.58	5	5	0.58	4.5	13.83	0.0074	0.001					
	Tue	65/18	6.72	41.10	5	25	38.78	8	97.71	608	0.37	5	5	0.41	3.12	0.25	0.0074	0.001					
	Wed	66/18	6.65	22.80	6	32	38.78	8	97.89	608	0.41	5	5	0.53	3.12	0.25	0.0074	0.001					
	Thu	67/18	6.78	12.10	6	17	33.77	8	97.83	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Fri	68/18	6.52	96.90	6	17	33.77	8	97.83	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Sat	69/18	6.75	5.20	6	17	33.77	8	97.83	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Sun	70/18	6.51	9.50	5	17	33.77	8	97.83	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Mon	71/18	6.59	14.80	11	25	33.77	13	95.31	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Tue	72/18	6.68	14.80	10	30	33.77	10	95.97	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Wed	73/18	6.70	56.30	7	12	33.77	12	95.26	608	0.42	5	5	0.42	3.12	0.25	0.0074	0.001					
	Thu	74/18	6.68	8.10	7	12	33.77	12	96.10	608	0.42	5	5	0.42	3.12	0.25	0.0074	0.001					
	Fri	75/18	6.72	7.40	6	12	33.77	10	97.61	608	0.48	5	5	0.48	3.12	0.25	0.0074	0.001					
	Sat	76/18	6.85	246.10	5	6.85	31.69	9	94.30	608	0.74	5	5	0.74	3.12	0.25	0.0074	0.001					
	Sun	77/18	6.63	14.80	6	21	31.69	9	95.59	608	0.48	5	5	0.48	3.12	0.25	0.0074	0.001					
	Mon	78/18	6.42	11.00	6	27	32.74	8	95.17	608	0.46	5	5	0.46	3.12	0.25	0.0074	0.001					
	Tue	79/18	6.76	8.60	6	28	32.74	9	96.85	608	0.66	5	5	0.66	3.12	0.25	0.0074	0.001					
	Wed	80/18	6.79	15.30	5	18	32.74	7	98.12	608	0.51	5	5	0.51	3.12	0.25	0.0074	0.001					
	Thu	81/18	6.85	96.70	6	31	32.74	7	97.94	608	0.43	5	5	0.43	3.12	0.25	0.0074	0.001					
	Fri	82/18	6.76	6.30	5	8	32.74	8	98.23	608	0.64	5	5	0.64	3.12	0.25	0.0074	0.001					
	Sat	83/18	6.76	13.10	5	7	32.74	7	98.79	608	0.37	5	5	0.37	3.12	0.25	0.0074	0.001					
	Sun	84/18	6.57	15.10	4	17	32.74	7	98.11	608	0.53	5	5	0.53	3.12	0.25	0.0074	0.001					
	Mon	85/18	6.56	5.20	4	31	32.74	7	97.55	608	0.43	5	5	0.43	3.12	0.25	0.0074	0.001					
	Tue	86/18	6.77	46.00	4	57	32.74	7	98.18	608	0.58	5	5	0.58	3.12	0.25	0.0074	0.001					
	Wed	87/18	6.72	16.50	5	26	32.74	7	98.33	608	0.81	5	5	0.81	3.12	0.25	0.0074	0.001					
	Thu	88/18	6.96	16.90	4	23	32.74	9	97.84	608	0.67	5	5	0.67	3.12	0.25	0.0074	0.001					
	Fri	89/18	6.72	24.80	4	23	32.74	6	96.49	608	0.55	5	5	0.55	3.12	0.25	0.0074	0.001					
	Sat	90/18	6.74	8.90	4	4	32.74	7	97.31	608	0.48	5	5	0.48	3.12	0.25	0.0074	0.001					

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure the reliability of the information submitted. Based on my review of this document and the information submitted, I certify that these data have been examined and found to be 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. § 4902 (relating to unsworn statements).

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

License No.: T0403
Date: 7/28/2018



**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: 2018
 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: 7/16/2018

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, August 28, 2018 3:55 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: 07/01/2018-07/31/2018
Report Due Date: 08/28/2018

Submitted By: Michael DiSantis
Submission Id: 112120
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

August 28, 2018

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 July, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for July, 2018 were: Flow – 31.77 MGD; cBOD₅ – 5 mg/l; TSS – 10 mg/L; cBOD₂₀ % removal – 94.73 %; and cBOD₂₀ loading – 6082 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
Steve Babylon via email with server link
Ian Piro 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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1825
STAGE: Final Effluent

PAD0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD			
YEAR	MO	DAY	YEAR
2018	07	01	2018
			07
			31

Reporting Frequency: Monthly
DMR Effective From: 07/01/2018
DMR Effective To: 07/31/2018
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	UNITS	VALUE	UNITS		
pH (00400)	6.33	***	7.06	S.U.	1/day	Grab
	6.0	***	S.O	***	1/day	Grab
	Inlet Min	***	MAX	***	1/day	Grab
Total Suspended Solids (00530)	2516	4530	10.0	mg/L	1/day	24-Hr Composite
	11000	16500	45.0	***	1/day	24-Hr Composite
	Avg Mo	Wkly Avg	Avg Mo	***	1/day	24-Hr Composite
Oil and Grease (00566)	41325	***	5.0	mg/L	1/day	Grab
	5500	***	15.0	***	1/day	Grab
	Avg Mo	***	MAX	***	1/day	Grab
Ammonia-Nitrogen (00610)	2.38	***	***	mg/L	4/month	24-Hr Composite
	***	***	Monitor & Report	***	2/month	24-Hr Composite
	***	***	Avg Mo	***	4/month	24-Hr Composite
Nitrite as N (00615)	24	***	4	mg/L	4/month	24-Hr Composite
	***	***	Monitor & Report	***	2/month	24-Hr Composite
	***	***	Avg Mo	***	4/month	24-Hr Composite
Nitrate as N (00620)	11.96	***	14.5	mg/L	4/month	24-Hr Composite
	***	***	Monitor & Report	***	2/month	24-Hr Composite
	***	***	Avg Mo	***	4/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	4.08	***	4.08	mg/L	4/month	24-Hr Composite
	***	***	Monitor & Report	***	2/month	24-Hr Composite
	***	***	Avg Mo	***	4/month	24-Hr Composite
Cyanide, Total (00730)	0.27	***	0.27	mg/L	1/month	24-Hr Composite
	***	***	Monitor & Report	***	1/month	24-Hr Composite
	***	***	Avg Mo	***	1/month	24-Hr Composite
Chlorobromomethane (04306)	0.015	***	0.015	mg/L	1/month	Grab
	***	***	Monitor & Report	***	1/month	Grab
	***	***	Avg Mo	***	1/month	24-Hr Composite
Cadmium, Total (01027)	<0.002	***	<0.002	mg/L	1/month	24-Hr Composite
	***	***	Monitor & Report	***	1/month	24-Hr Composite
	***	***	Avg Mo	***	1/month	24-Hr Composite
Copper, Total (01042)	0.11	***	0.11	mg/L	1/month	24-Hr Composite
	***	***	Monitor & Report	***	1/month	24-Hr Composite
	***	***	Avg Mo	***	1/month	24-Hr Composite
Lead, Total (01051)	<0.01	***	<0.01	mg/L	1/month	24-Hr Composite
	***	***	Monitor & Report	***	1/month	24-Hr Composite
	***	***	Avg Mo	***	1/month	24-Hr Composite
Zinc, Total (01092)	0.31	***	0.31	mg/L	1/month	24-Hr Composite
	***	***	Monitor & Report	***	1/month	24-Hr Composite
	***	***	Avg Mo	***	1/month	24-Hr Composite
Dichloromethane (02101)	0.018	***	0.018	mg/L	1/month	Grab
	***	***	Monitor & Report	***	1/month	Grab
	***	***	Avg Mo	***	1/month	Grab
Fluor (00560)	31.77	45.96	***	***	Continuous	Mated
	Monitor & Report	Monitor & Report	***	***	Continuous	Mated
	Avg Mo	Daily Max	***	***	Continuous	Mated
Total Residual Chlorine (TRC) (00560)	0.72	1.0	0.72	mg/L	1/day	Grab
	***	MAX	1.0	***	1/day	Grab
	***	***	MAX	***	1/day	Grab



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

Sample Measurement	Permit Requirement	725 Monitor & Report Avg Mo	805 Monitor & Report Daily Max	ng/L	5/Week 2/Year	24-Hr Composite 24-Hr Composite
Total Dissolved Solids (7026)	***	***	***			
Fecal Coliform (7405)	***	25	119.8	No./100 ml	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOOD) (8038)	1197	200 Geo Mean	1000 IMAX		1/day	Grab
Sample Measurement	7020 Avg Mo	5.0	6.0	mg/L	1/day	24-Hr Composite
Permit Requirement	10500 Wly Avg	19.0 Avg Mo	28.0 Wly Avg		1/day	24-Hr Composite
Sample Measurement	8082 Avg Mo	***	***	***	3/Week	24-Hr Composite
Permit Requirement	10500 Avg Mo	***	***	***	1/Week	24-Hr Composite
Facility Comments						



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3291 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA-0027183
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	07	01	31

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80087)	***	***	94.73	***	4/week	24-Hr Composite
	***	***	66.25	***	1/week	24-Hr Composite
	***	***	Min No Avg	***		
Facility Comments						



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3281 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103
#PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD							
YEAR	MO	DAY	YEAR	MO	DAY	FROM	TO
2018	07	01	2018	07	31		

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	10143	lbs/day	***	mg/L	2/week	24-Hr Composite
	Monitor & Report Avg Mo		373		1/week	24-Hr Composite
Total Suspended Solids (00500)	91630	lbs/day	***	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		337		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00052)	69292	lbs/day	***	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		257		1/day	24-Hr Composite
Facility Comments						



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
C80020_7-17-18.PDF	Laboratory Analytical Report	2018-09-27T16:05:54-04:00	
C80020_7-25-18.PDF	Laboratory Analytical Report	2018-09-27T16:07:54-04:00	
C80020_MJR_7-30-18.pdf	Laboratory Analytical Report	2018-09-27T16:08:49-04:00	
DRBC_7-2-18.PDF	Laboratory Analytical Report	2018-09-27T16:09:33-04:00	
Daily Effluent Monitoring Form-07-2018.xlsx	Daily Effluent Monitoring Form	2018-09-27T16:14:56-04:00	
Daily Effluent Monitoring Form-07-2018.xlsx	Daily Effluent Monitoring Form	2018-09-27T16:15:17-04:00	Daily Inflow Monitoring Form-07-2018
Daily Inflow Monitoring Form-07-2018.xlsx	Daily Effluent Monitoring Form	2018-09-27T16:15:17-04:00	
Hauled In Residual Waste_07-2018.xls	Hauled-In Residual Waste Form	2018-09-27T16:15:17-04:00	
Influent and Process Control_07-2018.xls	Influent and Process Control Form	2018-09-27T16:17:15-04:00	
DMR Laboratory Accreditation-AIS-07-2018.doc	Laboratory Accreditation Form	2018-09-27T16:19:50-04:00	
WRTTP_Sludge_07-2018.pdf	Laboratory Analytical Report	2018-09-27T16:00:35-04:00	
July 2018 SWMM Report.xlsx	Laboratory Analytical Report	2018-09-27T16:01:15-04:00	
C80020_7-1-18.PDF	Laboratory Analytical Report	2018-09-27T16:02:29-04:00	
C80020_7-2-18.PDF	Laboratory Analytical Report	2018-09-27T16:03:09-04:00	
C80020_7-10-18.PDF	Laboratory Analytical Report	2018-09-27T16:11:19-04:00	
DRBC_7-9-18.PDF	Laboratory Analytical Report	2018-09-27T16:12:59-04:00	
DRBC_MJR_7-30-18.pdf	Laboratory Analytical Report	2018-09-27T16:14:07-04:00	
EFF_WRTTP_07-2018.pdf	Laboratory Analytical Report	2018-09-27T16:14:25-04:00	
INE_WRTTP_07-2018.pdf	Laboratory Analytical Report	2018-09-27T16:15:42-04:00	
Hauled in Municipal Waste_07-2018.xls	Hauled-In Municipal Waste Form	2018-09-27T16:17:52-04:00	
DMR Laboratory Accreditation-WRTTP-07-2018.doc	Laboratory Accreditation Form	2018-09-27T16:18:16-04:00	
Sewage Sludge Biosolids Production and Disposal Form_07-2018.xls	Laboratory Analytical Report	2018-09-27T16:01:35-04:00	
C80020_7-8-18.PDF	Laboratory Analytical Report	2018-09-27T16:06:39-04:00	
C80020_7-15-18.PDF	Laboratory Analytical Report	2018-09-27T16:07:38-04:00	
C80020_7-19-18.PDF	Laboratory Analytical Report	2018-09-27T16:07:38-04:00	
C80020_7-25-18.PDF	Laboratory Analytical Report	2018-09-27T16:08:19-04:00	
C80020_7-24-18.PDF	Laboratory Analytical Report	2018-09-27T16:08:19-04:00	
C80020_7-1-18.PDF	Laboratory Analytical Report	2018-09-27T16:08:51-04:00	
C80020_7-15-18.PDF	Laboratory Accreditation Form	2018-09-27T16:09:31-04:00	
DMR Cover Letter-07-2018.doc	Cover Letter	2018-09-28T16:54:43-04:00	
C80020_MJR_7-31-18.pdf	Laboratory Analytical Report	2018-09-27T16:09:07-04:00	
DRBC_7-24-18.PDF	Laboratory Analytical Report	2018-09-27T16:11:54-04:00	
EFF_AIS_7-10-18.PDF	Laboratory Analytical Report	2018-09-27T16:13:47-04:00	
C80020_7-4-18.PDF	Laboratory Analytical Report	2018-09-27T16:00:55-04:00	
C80020_7-9-18.PDF	Laboratory Analytical Report	2018-09-27T16:01:58-04:00	

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	Parameter	Sampling Point	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. Daniels	TD403	(610)-976-5523

SUBMISSION INFORMATION



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

SUBMITTED BY GREENPORT USER disantism	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, 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 Disantism	TELEPHONE (610) 876-5523	DATE 8 28
		SUBMITTED BY FULL NAME	AREA CODE NUMBER	YEAR MO DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELICORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	07	01	TO	18	07	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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			
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 08/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	07	01	TO	18	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	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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 08/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: July Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	29.98			174	43,506	3100.00	1.54	498000.00		
2	31.23	422	109,913	504	131,271	2860.00	1.38	483000.00		
3	31.86			166	44,108	3390.00	1.52	494000.00		
4	31.51	128	33,638	186	48,880	3255.00	1.42	563000.00		
5	30.14			316	79,432	2665.00	1.80	540000.00		
6	30.97			266	68,705	2910.00	1.90	431000.00		
7	32.36			98	26,448	2985.00	1.67	504000.00		
8	28.05			212	49,595	3040.00	2.56	488000.00		
9	30.00	352	88,070	402	100,580	2685.00	2.37	498000.00		
10	29.92			690	172,178	2960.00	1.90	510000.00		
11	30.57	300	76,486	366	93,313	2800.00	1.66	503000.00		
12	30.19			406	102,225	2890.00	1.43	500000.00		
13	29.81			364	90,496	3005.00	1.42	507000.00		
14	28.90			260	62,667	2815.00	1.23	491000.00		
15	33.23			296	82,033	2800.00	1.55	480000.00		
16	30.56	390	99,399	352	89,714	2680.00	1.39	468000.00		
17	32.10			248	66,393	2820.00	1.23	459000.00		
18	29.60	481	118,742	622	153,549	3460.00	1.31	462000.00		
19	29.86			312	77,698	3090.00	1.29	503000.00		
20	28.57			378	90,067	3090.00	1.35	490000.00		
21	36.52			374	113,912	3135.00	1.38	457000.00		
22	46.55			254	98,610	2730.00	3.81	505000.00		
23	37.19	299	92,739	294	-91,188	3085.00	2.08	489000.00		
24	45.51			378	143,471	2830.00	1.69	479000.00		
25	45.66	255	97,105	296	112,718	3135.00	2.00	511000.00		
26	36.64			400	122,231	2955.00	1.61	516000.00		
27	32.72			332	90,598	3315.00	1.29	499000.00		
28	31.84			216	57,358	3605.00	1.20	490000.00		
29	30.62			196	50,053	3180.00	1.46	480000.00		
30	31.94	729	194,191	592	157,697	3225.00	1.74	481000.00		
31	31.01			502	129,829	3290.00	1.54	513000.00		
Avg	32.762		101,143		91,630	3,025	2	493,290		
Max	46.55		194,191		172,178	3,605	4	563,000		

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 Maintenance Date: 8/28/2018

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

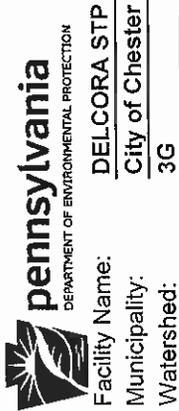
Month: July Year: 2018
 NPDES Permit No.: PA0027103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

County: Delaware

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)
1				Headworks				Sludge Thickening			
2	53850			Headworks	115300			Sludge Thickening	100250		269,400
3	51000			Headworks	134981			Sludge Thickening	85230		271,211
4				Headworks				Sludge Thickening			
5	55407			Headworks	156100			Sludge Thickening	110600		322,107
6	50900			Headworks	89160			Sludge Thickening	113426		253,486
7	22100			Headworks				Sludge Thickening	58453		80,553
8	58000			Headworks				Sludge Thickening			58,000
9	60850			Headworks	92610			Sludge Thickening	100430		253,890
10	33550			Headworks	104402			Sludge Thickening	141500		279,452
11	48750			Headworks	74132			Sludge Thickening	110705		233,587
12	44752			Headworks	153465			Sludge Thickening	116750		314,967
13	19246			Headworks	77400			Sludge Thickening	125700		222,346
14				Headworks				Sludge Thickening	55900		55,900
15				Headworks				Sludge Thickening			
16	45500			Headworks	96484			Sludge Thickening	111900		253,884
17	56250			Headworks	90413			Sludge Thickening	121050		267,713
18	67750			Headworks	78650			Sludge Thickening	115650		262,050
19	33900			Headworks	139106			Sludge Thickening	118900		291,906
20	44200			Headworks	81489			Sludge Thickening	101900		227,589
21	5980			Headworks				Sludge Thickening	65200		71,180
22				Headworks				Sludge Thickening			
23	61330			Headworks	103840			Sludge Thickening	113886		279,056
24	48800			Headworks	95020			Sludge Thickening	134300		278,120
25	100639			Headworks	64814			Sludge Thickening	117400		282,853
26	82900			Headworks	110850			Sludge Thickening	111490		305,240
27	49730			Headworks	125740			Sludge Thickening	151250		326,720
28	14184			Headworks				Sludge Thickening	67300		81,484
29				Headworks				Sludge Thickening			
30	56410			Headworks	126772			Sludge Thickening	100700		283,882
31	64129			Headworks	88492			Sludge Thickening	147650		300,271
Avg	49,204				104,725				107,901		6,126,847
									Monthly Totals:		

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Prepared By: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 8/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: July Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware
 Renewal application due 180 days prior to expiration. Disposal Location: Headworks
 This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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)
1				Headworks				Headworks			
2				Headworks				Headworks	146,400		0
3				Headworks				Headworks	189,700		0
4				Headworks				Headworks			
5				Headworks				Headworks	167,568		0
6				Headworks				Headworks	112,800		0
7				Headworks				Headworks	4,200		0
8				Headworks				Headworks			
9				Headworks				Headworks	82,258		0
10				Headworks				Headworks	135,903		0
11				Headworks				Headworks	159,770		0
12				Headworks				Headworks	130,023		0
13				Headworks				Headworks	100,000		0
14				Headworks				Headworks	4,000		0
15				Headworks				Headworks			
16				Headworks				Headworks	69,250		0
17				Headworks				Headworks	134,600		0
18				Headworks				Headworks	122,629		0
19				Headworks				Headworks	118,136		0
20				Headworks				Headworks	92,900		0
21				Headworks				Headworks	6,000		0
22				Headworks				Headworks			
23				Headworks				Headworks	83,700		0
24				Headworks				Headworks	107,200		0
25				Headworks				Headworks	187,300		0
26				Headworks				Headworks	245,195		0
27				Headworks				Headworks	142,100		0
28				Headworks				Headworks	15,500		0
29				Headworks				Headworks			
30				Headworks				Headworks	113,350		0
31				Headworks				Headworks	181,300		0
Avg								Monthly Totals:	114,071		2,851,782

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Prepared By: Michael DiSantis License No.: T0403
 Title: Dir. Operations and Maintenance Date: 8/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3892-PH-SPW-04045 3/2012

Facility Name: DELCORA STP
Municipality: City of Chester
Watershed: C.S.
Laboratories: DELCORA-ALS Environmental

County: Delaware

Year: 2018
Outfall: 001

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

Station	Date	Flow (MGD)	Fecal Coliform		pH	CBOD5	CBOD20	TSS	TSS %	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead
			1	2												
1	Sun 7/1/18	26.83	8.4	6.77	3	27	54.66	6.0	95.40	0.57	2.83	13.05	0.30	3.74		
	Mon 7/2/18	30.22	14.8	6.33	6	27	57.81	11.0	97.52	0.37						
	Tue 7/3/18	30.81	20.3	6.68	5	16	97.75	9.0	94.98	0.46						
	Wed 7/4/18	30.25	11.9	6.92	4	15	97.83	5.0	97.31	0.46						
	Thu 7/5/18	28.75	7.3	6.82	3	15	97.83	4.0	98.73	0.46						
	Fri 7/6/18	30.03	17.1	6.87	4	17	97.83	7.0	97.83	0.46						
	Sat 7/7/18	31.36	25.1	6.85	3	14	97.74	8.0	97.97	0.54						
	Sun 7/8/18	26.52	36.9	6.65	2	14	97.74	7.0	97.97	0.54						
	Mon 7/9/18	29.10	9.8	6.45	2	17	96.80	7.0	98.85	0.32						
	Tue 7/10/18	28.88	12.9	6.54	5	17	97.60	5.0	98.63	0.51						
	Wed 7/11/18	28.12	11.3	6.84	4	24	98.27	7.0	98.26	0.72						
	Thu 7/12/18	28.12	15.8	6.97	5	24	98.27	8.0	97.80	0.44						
	Fri 7/13/18	27.99	15.6	6.83	6	32	96.22	9.0	96.54	0.34						
	Sat 7/14/18	32.24	33.9	6.56	6	32	97.50	37.0	97.50	0.21						
	Sun 7/15/18	29.68	24.8	6.45	6	44	96.55	27.0	92.33	0.20						
	Mon 7/16/18	31.41	48.0	6.88	5	31	95.00	10.0	95.87	0.14						
	Tue 7/17/18	31.41	48.0	6.88	5	31	95.00	10.0	95.87	0.14						
	Wed 7/18/18	28.88	61.3	6.78	9	781	97.11	18.0	97.11	0.42						
	Thu 7/19/18	29.31	52.9	6.63	7	35	95.96	14.0	95.51	0.40						
	Fri 7/20/18	27.55	26.2	6.80	4	50	97.52	9.0	97.52	0.39						
	Sat 7/21/18	35.04	26.2	6.84	4	50	97.52	9.0	97.52	0.42						
	Sun 7/22/18	45.96	36.4	6.59	5	18	97.88	11.0	95.67	0.33						
	Mon 7/23/18	36.32	9.8	6.59	3	36	95.78	7.0	97.52	0.38						
	Tue 7/24/18	44.54	21.8	6.70	4	19	97.85	8.0	97.88	0.48						
	Wed 7/25/18	44.43	32.7	6.71	4	9	98.12	6.0	97.97	0.50						
	Thu 7/26/18	35.65	6.6	6.80	3	9	98.25	7.0	98.25	0.43						
	Fri 7/27/18	31.67	35.5	6.73	3	9	98.25	5.0	98.19	0.45						
	Sat 7/28/18	30.94	35.9	6.68	3	9	98.25	6.0	98.34	0.45						
	Sun 7/29/18	30.64	13.4	6.68	3	10	98.10	8.0	98.62	0.34						
	Mon 7/30/18	26.32	14.8	6.53	5	10	98.10	7.0	98.62	0.71						
	Tue 7/31/18	25.17	32.3	6.76	5	10	98.68	9.0	98.61	0.57						
DAILY AVERAGE																
Daily Minimum (C&C)			8.4	6.33	3	9	97.81	4	87.5	0.14	1.35	6.09	0.14	3.43	0.011	< 0.001
Daily Maximum (C&C)			119.8	7.05	6	44	99.1	37	98.99	0.72	2.94	14.5	0.4	5.67	0.011	< 0.001
Max Avg Weekly (C&C)					5	23	97.58	18	97.85	0	2.93	14.5	0.4	5.67	0.011	< 0.001
Avg Monthly (C&C)					5	26	94.73	10	95.8	0.4	2.38	11.88	0.24	4.08	0.011	< 0.001
Geometric Mean (C&C)			25			9104		4530		194	738	3510	99	1464	3	0.2
Max Avg Weekly (Load)			38.53			6582		2516		1111	527	3104	85	1664	3	0.2
Avg Monthly (Load)			31.77			48539		7785		3456	1622	3100	26.0	3464	82	7
Total Monthly (Load)			984.56			2433		959		13384	691	282	34	876	31	0.2
Daily Minimum (Load)			45.96			10959		3949		183	751	3519	59	1404	3	0.2

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

License No.: TD403
Date: 8/28/2018



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

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

County: Delaware

Month: July Year: 2018
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 & Tighman	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	Keifin & 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.

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

License No.: T0403
Date: 8/16/2018

Bonnett, Barbara

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, September 28, 2018 12:39 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: 08/01/2018-08/31/2018
Report Due Date: 09/28/2018

Submitted By: Michael DiSantis
Submission Id: 115810
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 28, 2018

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 August, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for August, 2018 were: Flow – 33.78 MGD; cBOD₅ – < 5 mg/l; TSS – 8 mg/L; cBOD₂₀ % removal – 97.41 %; and cBOD₂₀ loading – 3,935 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:bab
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

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



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

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

PA0027403 PERMIT NUMBER
001 OUTFALL NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	08	01	2018	08	31

Reporting Frequency: Monthly
DMR Effective From: 08/01/2018
DMR Effective To: 08/31/2018
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	UNITS	VALUE	UNITS		
pH (00400)	Sample Measurement	8.54	7.02	S.U.	1/day	Grab
	Permit Requirement	8.0	9.0	IMAX	1/day	Grab
Total Suspended Solids (00520)	Sample Measurement	3967	8.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	10500	30.0	Wely Avg	1/day	24-Hr Composite
Oil and Grease (00558)	Sample Measurement	4764	8.0	mg/L	1/day	Grab
	Permit Requirement	5500	15.0	IMAX	1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	3.36	3.36	mg/L	4/month	24-Hr Composite
	Permit Requirement	3.36	3.36	Monitor & Report Avg Mo	2/month	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	0.15	0.15	mg/L	4/month	24-Hr Composite
	Permit Requirement	0.15	0.15	Monitor & Report Avg Mo	2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	12.25	12.25	mg/L	4/month	24-Hr Composite
	Permit Requirement	12.25	12.25	Monitor & Report Avg Mo	2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	5.25	5.25	mg/L	4/month	24-Hr Composite
	Permit Requirement	5.25	5.25	Monitor & Report Avg Mo	2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	0.140	0.140	mg/L	1/month	24-Hr Composite
	Permit Requirement	0.140	0.140	Monitor & Report Avg Mo	1/month	24-Hr Composite
Chloroformomethane (04005)	Sample Measurement	0.067	0.067	mg/L	1/month	Grab
	Permit Requirement	0.067	0.067	Monitor & Report Avg Mo	1/month	Grab
Cadmium, Total (01027)	Sample Measurement	<.0002	<.0002	mg/L	1/month	24-Hr Composite
	Permit Requirement	<.0002	<.0002	Monitor & Report Avg Mo	1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	0.046	0.046	mg/L	1/month	24-Hr Composite
	Permit Requirement	0.046	0.046	Monitor & Report Avg Mo	1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	<.001	<.001	mg/L	1/month	24-Hr Composite
	Permit Requirement	<.001	<.001	Monitor & Report Avg Mo	1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	0.240	0.240	mg/L	1/month	24-Hr Composite
	Permit Requirement	0.240	0.240	Monitor & Report Avg Mo	1/month	24-Hr Composite
Dichloromethane (02101)	Sample Measurement	0.072	0.072	mg/L	1/month	Grab
	Permit Requirement	0.072	0.072	Monitor & Report Avg Mo	1/month	Grab
Flow (00050)	Sample Measurement	53.25	53.25	MGD	Continuous	Measured
	Permit Requirement	53.25	53.25	Monitor & Report Daily Max	Continuous	Measured
Total Residual Chlorine (TRC) (00060)	Sample Measurement	1.0	1.0	mg/L	1/day	Grab
	Permit Requirement	1.0	1.0	IMAX	1/day	Grab



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

Sample Measurement Permit Requirement	673 Monitor & Report Avg Mo	816 Monitor & Report Daily Peak	mg/L	5week 2month	24-Hr Composite 24-Hr Composite
Total Dissolved Solids (70235)	***	***			
Fecal Coliform (74055)	***	461.1	No./100 ml	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (60082)	1834	1000 MAX		1/day	Grab
	41313	6.0	mg/L	1/day	24-Hr Composite
	7000 Avg Mo	20.0 Wdy Avg		1/day	24-Hr Composite
	10500 Avg Mo	***		3week	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (60087)	***	***		1week	24-Hr Composite
Facility Comments					



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 599, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	08	01	2018	08	31

FROM

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
BOD, carbonaceous, 30 day, 20 C (60067)	***	***	97.41	%	3/week	24-Hr Composite
	***	***	89.25	%	1/week	24-Hr Composite
	***	***	Min-Max-Avg			

Facility Comments



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 989, CHESTER PA, 19016-0989
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 09/01/2018
DMR Effective To: 08/31/2018
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge:

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	08	01	2018	08	31

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	58721	lbs/day	243	mg/L	24-Hr Composite	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo		Monitor & Report Avg Mo		24-Hr Composite	1/week	24-Hr Composite
Total Suspended Solids (TSS30)	Sample Measurement	56552	lbs/day	340	mg/L	24-Hr Composite	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo		Monitor & Report Avg Mo		24-Hr Composite	1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00062)	Sample Measurement	73913	lbs/day	251	mg/L	24-Hr Composite	1/day	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo		Monitor & Report Avg Mo		24-Hr Composite	1/day	24-Hr Composite

Facility Comments



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_08-2018.doc	Cover Letter	2018-09-28T12:38:51-04:00	
Daily Influent Monitoring Form-08-2018.xlsx	Daily Effluent Monitoring Form	2018-09-28T12:00:18-04:00	Daily Influent Monitoring Form-08-2018
Daily Effluent Monitoring Form-08-2018.xlsx	Daily Effluent Monitoring Form	2018-09-28T11:59:58-04:00	
DMR Laboratory Accreditation-WRTP-08-2018.doc	Laboratory Accreditation Form	2018-09-28T12:02:45-04:00	
DMR Laboratory Accreditation-ALS-08-2018.doc	Laboratory Accreditation Form	2018-09-28T12:11:05-04:00	
Hauled-In Municipal Waste_08-2018.xls	Hauled-In Municipal Waste Form	2018-09-28T12:01:25-04:00	
Hauled-In Residential Waste_08-2018.xls	Hauled-In Residential Waste Form	2018-09-28T12:01:12-04:00	
Influent and Process Control_08-2018.xls	Influent and Process Control Form	2018-09-28T12:01:12-04:00	
Sewage Sludge Biosolids Production and Disposal Form_08-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-09-28T12:06:14-04:00	
August 2018 SWMM Report.docx	CSO Detailed Outfall Report Form	2018-09-28T11:59:39-04:00	
CBOD20_8-6-18.pdf	Laboratory Analytical Report	2018-09-28T11:58:59-04:00	
INF_WRTIP_08-2018.pdf	Laboratory Analytical Report	2018-09-28T10:53:46-04:00	
EFF_ALS_8-2-18.PDF	Laboratory Analytical Report	2018-09-28T11:57:58-04:00	
CBOD20_8-15-18.pdf	Laboratory Analytical Report	2018-09-28T11:57:13-04:00	
DRBC_MLR_8-6-18.pdf	Laboratory Analytical Report	2018-09-28T10:54:09-04:00	
DRBC_MLR_8-6-18.pdf	Laboratory Analytical Report	2018-09-28T10:54:07-04:00	
CBOD20_8-1-18.pdf	Laboratory Analytical Report	2018-09-28T08:57:26-04:00	
CBOD20_8-22-18.pdf	Laboratory Analytical Report	2018-09-28T08:54:09-04:00	
CBOD20_8-20-18.pdf	Laboratory Analytical Report	2018-09-28T08:53:19-04:00	
CBOD20_8-14-18.pdf	Laboratory Analytical Report	2018-09-28T08:55:57-04:00	
CBOD20_8-7-18.pdf	Laboratory Analytical Report	2018-09-28T12:02:04-04:00	
CBOD20_8-25-18.pdf	Laboratory Analytical Report	2018-09-28T08:55:08-04:00	
CBOD20_8-23-18.pdf	Laboratory Analytical Report	2018-09-28T08:55:57-04:00	
CBOD20_8-21-18.pdf	Laboratory Analytical Report	2018-09-28T08:55:11-04:00	
CBOD20_8-13-18.pdf	Laboratory Analytical Report	2018-09-28T12:02:04-04:00	
Process_WRTIP_08-2018.pdf	Laboratory Analytical Report	2018-09-28T08:55:08-04:00	
CBOD20_8-22-18.pdf	Laboratory Analytical Report	2018-09-28T11:58:18-04:00	
WRTIP_Sludge_08-2018.pdf	Laboratory Analytical Report	2018-09-28T11:58:39-04:00	
EFF_WRTIP_08-2018.pdf	Laboratory Analytical Report	2018-09-28T11:58:20-04:00	
DRBC_MLR_8-27-18.pdf	Laboratory Analytical Report		
DRBC_MLR_8-25-18.pdf	Laboratory Analytical Report		

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)	Resolving 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	10403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	TELEPHONE		DATE				
	(610)	876-5523	2018	9			
disantism	SUBMITTED BY FULL NAME		AREA CODE	NUMBER	YEAR	MO	DAY
	Michael Disantis						

*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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	08	01	TO	18	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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 09/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	08	01	TO	18	08	31
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²				
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 possibility 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: 09/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: August Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	35.49	435	128,754	392	116,027	3150.00	1.53	558000.00
2	30.36			484	122,550	3020.00	1.59	580000.00
3	35.36			426	125,628	3315.00	1.65	542000.00
4	32.46			260	70,386	3240.00	1.59	511000.00
5	30.54	134	34,130	202	51,450	3590.00	2.29	522000.00
6	30.72			364	93,259	3570.00	1.68	498000.00
7	32.23	393	105,638	410	110,207	3405.00	1.34	515000.00
8	31.33			346	90,407	4290.00	1.49	497000.00
9	30.11			316	79,353	3470.00	1.68	475000.00
10	32.18			468	125,602	3635.00	1.75	469000.00
11	40.52			328	110,843	4035.00	1.38	560000.00
12	36.24	110	63,247	198	59,844	3740.00	2.35	584000.00
13	54.68			424	193,357	3595.00	1.76	587000.00
14	41.14			314	107,736	3605.00	1.90	593000.00
15	35.27	273	80,303	250	73,538	3830.00	1.55	491000.00
16	32.38			550	148,527	3190.00	1.40	592000.00
17	32.36			318	85,823	3895.00	1.39	474000.00
18	35.94			218	65,343	3680.00	1.29	548000.00
19	36.45	92	27,967	160	48,639	4020.00	1.72	557000.00
20	39.83			242	80,388	3365.00	2.06	556000.00
21	37.63			294	92,267	3590.00	2.38	571000.00
22	36.93	312	96,095	404	124,430	3455.00	1.92	554000.00
23	32.44			412	111,466	3915.00	1.50	596000.00
24	32.94			390	107,141	3025.00	1.79	593000.00
25	29.86			288	71,721	4190.00	1.61	631000.00
26	30.34	133	33,654	212	53,644	3695.00	2.52	607000.00
27	30.79			408	104,770	3615.00	1.47	448000.00
28	31.11			386	100,151	3495.00	1.30	549000.00
29	31.18	303	78,792	350	91,014	3950.00	1.54	600000.00
30	31.36			468	122,402	4045.00	1.32	411000.00
31	32.16			252	67,590	4115.00	1.33	382000.00
Avg	34.269	243	68,731	340	96,952	3,636	2	537,129
Max	54.68	435	128,754	550	193,357	4,290	3	631,900

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 Maintenance Date: 9/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCO STP
 Municipality: City of Chester
 Watershed: 3G

County: Delaware

Month: August
 NPDES Permit No.: PA0027103

Year: 2018

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)		
1	36324			Headworks	117472			Sludge Thickening	163298			317,094	0
2	71453			Headworks	156424			Sludge Thickening	130691			358,568	0
3	65900			Headworks	121089			Sludge Thickening	136388			323,377	0
4	17000			Headworks				Sludge Thickening	73342			90,342	0
5				Headworks				Sludge Thickening					
6	61700			Headworks	88694			Sludge Thickening	171600			321,994	0
7	48973			Headworks	97000			Sludge Thickening	124850			270,823	0
8	49866			Headworks	79339			Sludge Thickening	140600			269,805	0
9	54350			Headworks	120826			Sludge Thickening	117550			292,726	0
10	61650			Headworks	83259			Sludge Thickening	144230			289,139	0
11	17765			Headworks				Sludge Thickening	45700			63,465	0
12				Headworks				Sludge Thickening					
13	57400			Headworks	88816			Sludge Thickening	111626			257,842	0
14	72050			Headworks	85598			Sludge Thickening	80700			238,348	0
15	39245			Headworks	68200			Sludge Thickening	67850			175,295	0
16	44640			Headworks	110246			Sludge Thickening	74800			229,686	0
17	68496			Headworks	108539			Sludge Thickening	92450			269,485	0
18	16200			Headworks				Sludge Thickening	56000			72,200	0
19				Headworks				Sludge Thickening					
20	78300			Headworks	89940			Sludge Thickening	74285			242,525	0
21	58350			Headworks	124000			Sludge Thickening	111033			293,383	0
22	72575			Headworks	106916			Sludge Thickening	103795			283,286	0
23	34750			Headworks	150670			Sludge Thickening	71287			256,707	0
24	41200			Headworks	105932			Sludge Thickening	104401			251,533	0
25	26800			Headworks				Sludge Thickening	38196			64,996	0
26				Headworks				Sludge Thickening					
27	63600			Headworks	115000			Sludge Thickening	76569			255,169	0
28	30075			Headworks	117300			Sludge Thickening	96829			244,204	0
29	60050			Headworks	79550			Sludge Thickening	73010			212,610	0
30	47800			Headworks	142800			Sludge Thickening	69222			259,822	0
31	50300			Headworks	42945			Sludge Thickening	101935			195,180	0
Avg	49,882				104,372				98,231			6,399,604	

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: Headworks
 Title: Dir. Operations and Maintenance

License No.: T0403
 Date: 9/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: August Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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)
1				Headworks				Headworks	138,750		0
2				Headworks				Headworks	176,182		0
3				Headworks				Headworks	115,400		0
4				Headworks				Headworks			
5				Headworks				Headworks			
6				Headworks				Headworks	67,650		0
7				Headworks				Headworks	121,370		0
8				Headworks				Headworks	143,300		0
9				Headworks				Headworks	119,963		0
10				Headworks				Headworks	112,400		0
11				Headworks				Headworks	12,000		0
12				Headworks				Headworks			
13				Headworks				Headworks	63,600		0
14				Headworks				Headworks	138,100		0
15				Headworks				Headworks	157,800		0
16				Headworks				Headworks	208,196		0
17				Headworks				Headworks	103,595		0
18				Headworks				Headworks			
19				Headworks				Headworks			
20				Headworks				Headworks	86,796		0
21				Headworks				Headworks	90,900		0
22				Headworks				Headworks	115,900		0
23				Headworks				Headworks	134,520		0
24				Headworks				Headworks	115,900		0
25				Headworks				Headworks			
26				Headworks				Headworks			
27				Headworks				Headworks	79,100		0
28				Headworks				Headworks	109,400		0
29				Headworks				Headworks	85,550		0
30				Headworks				Headworks	201,409		0
31				Headworks				Headworks	113,796		0
Avg								Monthly Totals:	117,149		2,811,577

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 Maintenance

License No.: T0403
 Date: 9/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP
 Municipality: City of Chester
 Watershed: 315
 Laboratories: DELCORA; ALS Environmental

Month: 3
 Permit No.: PA027103
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Year: 2018
 Outfall: 001

County: Delaware

Week	Day	Sample Date	Flow (MGD)	pH	Fecl Coliform (CFU/100ml)	CBOD5 (mg/L)	CBOD20 (mg/L)	CBOD20/K (%)	TSS (mg/L)	TSS (K %)	TDS (mg/L)	Oil and Grease (mg/L)	TRC (mg/L)	NH3-N (mg/L)	NO3-N (mg/L)	NO2-N (mg/L)	TKN (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)											
																				1	2	3	4	5	6	7	8	9	10	11
1	Sun	7/25/18	29.47			3			56.94																					
	Mon	7/30/18	30.64			4			56.99																					
	Tue	7/31/18	29.17	6.71	23.3	5	18	98.14	6.0		745																			
	Wed	8/1/18	34.17	6.85	21.3	4			6.0		741																			
	Thu	8/2/18	27.98	6.67	16.0	4			7.0																					
	Fri	8/3/18	34.15	6.78	15.7	4			7.0																					
	Sat	8/4/18	31.10	6.81	15.5	3			7.0																					
2	Sun	8/5/18	23.08	6.81	15.5	3			6.0																					
	Mon	8/6/18	37.46	6.86	15.7	3			6.0																					
	Tue	8/7/18	37.46	6.72	15.7	3			6.0																					
	Wed	8/8/18	30.30	6.88	15.7	3			6.0																					
	Thu	8/9/18	29.42	6.88	15.7	3			6.0																					
	Fri	8/10/18	30.71	7.02	15.7	4			6.0																					
	Sat	8/11/18	38.45	6.82	15.7	4			6.0																					
3	Sun	8/12/18	35.02	6.81	15.7	4			6.0																					
	Mon	8/13/18	33.22	6.57	15.7	4			6.0																					
	Tue	8/14/18	14.19	6.76	15.7	4			6.0																					
	Wed	8/15/18	37.35	6.88	15.7	4			6.0																					
	Thu	8/16/18	37.35	6.88	15.7	4			6.0																					
	Fri	8/17/18	32.44	6.86	15.7	4			6.0																					
	Sat	8/18/18	39.70	6.75	15.7	6			6.0																					
4	Sun	8/19/18	40.68	6.73	15.7	4			6.0																					
	Mon	8/20/18	40.61	6.85	15.7	4			6.0																					
	Tue	8/21/18	36.55	6.81	15.7	4			6.0																					
	Wed	8/22/18	36.36	6.80	15.7	4			6.0																					
	Thu	8/23/18	31.17	6.85	15.7	4			6.0																					
	Fri	8/24/18	31.40	6.82	15.7	4			6.0																					
	Sat	8/25/18	30.35	6.82	15.7	4			6.0																					
	Sun	8/26/18	29.35	6.85	15.7	3			6.0																					
5	Mon	8/27/18	29.76	6.84	15.7	4			6.0																					
	Tue	8/28/18	30.21	6.79	15.7	11	22	94.75	6.0																					
	Wed	8/29/18	28.62	6.77	15.7	8	14	98.54	6.0																					
	Thu	8/30/18	30.41	6.82	15.7	4	10	97.37	6.0																					
	Fri	8/31/18	31.24	6.54	15.7	7			6.0																					
	Sat	9/1/18	29.77			7			6.0																					
Daily Maximum (Cont.)																														
				6.54	4.1	3	8	94.75	5	54.34	518	6	0.02	1.48	3.85	0.06	3.34	0.0045	0.001											
Daily Minimum (Cont.)																														
				7.02	461.1	11	22	83.81	12	84.78	818	8	0.54	5.55	12.55	0.31	7.88	0.0048	0.001											
Average Monthly (Cont.)																														
						6	15	83.14	9	84.14	781	6	0.4	3.36	8.93	0.15	5.35	0.0045	0.001											
Geometric Mean (Cont.)																														
						5	13	97.41	8	97.45	679	5	0.4																	
Max Avg Weekly (Load)																														
			35.16		24	18.54	5130		3099	198117	6	1635	143	3237	77	3098	1	0.2												
Avg Weekly (Load)																														
			33.78		1313	39.35			2335	10974	11	1094	11	1094	44	1716	1	0.2												
Total Monthly (Load)																														
			1047.06		4088	12172			59798.6	3656	4444	44	3366	33925	1216	53922	33	0.2												
Daily Maximum (Load)																														
			27.98		4441	4441			153127	5	1167	5	239	362	27	829	1	0.2												
Daily Minimum (Load)																														
			35.25		2882	2882			265131	2221	2221	2221	239	1972	77	3098	1	0.2												

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to ensure 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: 8/28/2018



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

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

County: Delaware

Month: August Year: 2018
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 & Meirose	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: 9/17/2018

Bonnett, Barbara

SEPT 2018

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, October 26, 2018 3:25 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: 09/01/2018-09/30/2018

Report Due Date: 10/28/2018

Submitted By: Michael DiSantis

Submission Id: 119989

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 26, 2018

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 September, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for September, 2018 were: Flow – 38.84 MGD; cBOD₅ – 5 mg/l; TSS – 11.7 mg/L; cBOD₂₀ % removal – 97.16%; and cBOD₂₀ loading – 4,803 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:bab
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

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 989, CHESTER PA, 19016-0989
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA#P27103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	09	01	2018	09	30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
pH (00400)	8.24	Inst Min	7.0	S.U.	1/day	Grab
Total Suspended Solids (00500)	6671	1/day	9.0	IMAX	1/day	Grab
	16300	Wkg Avg	17.0	ng/L	1/day	24-Hr Composite
	<1820	1/day	45.0	Wkg Avg	1/day	24-Hr Composite
	5600	1/day	<5.0	ng/L	1/day	Grab
		1/day	30.0	IMAX	1/day	Grab
		1/day	1.94	ng/L	1/week	24-Hr Composite
		1/day	15	ng/L	2/month	24-Hr Composite
		1/day	22	ng/L	1/week	24-Hr Composite
		1/day	9.97	ng/L	2/month	24-Hr Composite
		1/day	4.19	ng/L	1/week	24-Hr Composite
		1/day	.005	ng/L	2/month	24-Hr Composite
		1/day	.0036	ng/L	1/month	24-Hr Composite
		1/day	.0003	ng/L	1/month	Grab
		1/day	.0110	ng/L	1/month	Grab
		1/day	.003	ng/L	1/month	24-Hr Composite
		1/day	.0080	ng/L	1/month	24-Hr Composite
		1/day	.0038	ng/L	1/month	24-Hr Composite
		1/day		ng/L	1/month	24-Hr Composite
		1/day	72.43	ng/L	Continuous	Grab
		1/day		ng/L	Continuous	Grab
		1/day	.5	ng/L	Continuous	Meted
		1/day	1.0	ng/L	Continuous	Meted
		1/day	.5	ng/L	1/day	Grab
		1/day	1.0	ng/L	1/day	Grab

Sample Measurement	Permit Requirement	695	839	ng/L	Sample	24-Hr Composite
Sample Measurement	Permit Requirement	695	839	ng/L	Sample	24-Hr Composite
Total Dissolved Solids (70285)	1842	200	2000	No./100 ml	1day	24-Hr Composite
Fecal Coliform (74035)	10500	200	1000		1day	Grab
Carbonaceous Biochemical Oxygen Demand (69035) (60063)	10500	Geo Mean	MAX		1day	Grab
	10500	5.0	7.0		1day	24-Hr Composite
	10500	19.0	26.0		1day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 °C (60067)	4603	***	***	***	3week	24-Hr Composite
	10500	***	***	***	1week	24-Hr Composite
Facility Comments						



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

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

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	09	01	2018	09	30

FROM

Reporting Frequency: Monthly
DMR Effective From: 09/01/2018
DMR Effective To: 09/30/2018
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	UNITS	VALUE	UNITS		
BOD, carbonaceous 20 day, 20 C (60087)	***	***	57.16	%	3/week	24-Hr Composite
	***	***	89.25	***	1/week	24-Hr Composite
Min. Mo Avg						
Facility Comments						



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

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

PA00627103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	09	01	2018	09	30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE		
Biochemical Oxygen Demand (BOD5) (00310)	78426	lbs/day	***	232	mg/L	***	1/week	24-Hr Composite
	Monitor & Report Avg Mo		***	Monitor & Report Avg Mo		***	1/week	24-Hr Composite
Total Suspended Solids (00307)	55221	lbs/day	***	303	mg/L	***	1/day	24-Hr Composite
	Monitor & Report Avg Mo		***	Monitor & Report Avg Mo		***	1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00082)	72854	lbs/day	***	223	mg/L	***	1/day	24-Hr Composite
	Monitor & Report Avg Mo		***	Monitor & Report Avg Mo		***	1/day	24-Hr Composite
Facility Comments								



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
CBO020_9-10-18.pdf	Laboratory Analytical Report	2018-10-28T15:06:49-04:00	
CBO020_9-20-18.pdf	Laboratory Analytical Report	2018-10-28T15:09:39-04:00	
DRRC_MJR_9-24-18.pdf	Laboratory Analytical Report	2018-10-28T15:11:00-04:00	
Influent and Process Control_09-2018.xls	Influent and Process Control Form	2018-10-28T15:13:26-04:00	
Daily Effluent Monitoring Form-09-2018.xlsx	Daily Effluent Monitoring Form	2018-10-28T14:55:28-04:00	
CBO020_9-24-18.pdf	Laboratory Analytical Report	2018-10-28T15:09:50-04:00	
CBO020_9-25-18.pdf	Laboratory Analytical Report	2018-10-28T15:09:20-04:00	
INF_WRTT_09-2018.pdf	Laboratory Analytical Report	2018-10-28T15:12:21-04:00	
Hauled in Municipal Waste_09-2018.xls	Hauled in Municipal Waste Form	2018-10-28T15:12:44-04:00	
DMR Laboratory Accreditation-WRTT-09-2018.doc	Laboratory Accreditation Form	2018-10-28T15:16:10-04:00	
WRTT_Sludge_09-2018.pdf	Laboratory Analytical Report	2018-10-28T15:15:38-04:00	
September 2018 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2018-10-28T15:08:10-04:00	
CBO020_9-4-18.pdf	Laboratory Analytical Report	2018-10-28T15:09:29-04:00	
CBO020_9-5-18.pdf	Laboratory Analytical Report	2018-10-28T15:08:22-04:00	
CBO020_9-18-18.pdf	Laboratory Analytical Report	2018-10-28T15:05:31-04:00	
Daily Effluent Monitoring Form-09-2018.xlsx	Daily Effluent Monitoring Form	2018-10-28T15:10:01-04:00	
DRRC_MJR_9-11-18.pdf	Laboratory Analytical Report	2018-10-28T15:10:18-04:00	
DRRC_MJR_9-17-18.pdf	Laboratory Analytical Report	2018-10-28T15:10:58-04:00	
Process_WRTT_09-2018.pdf	Laboratory Analytical Report	2018-10-28T15:13:47-04:00	
DMR Cover Letter_09-2018.doc	Cover Letter	2018-10-28T14:44:12-04:00	
CBO020_9-11-18.pdf	Laboratory Analytical Report	2018-10-28T15:07:07-04:00	
Sewage Sludge Biosolids Production and Disposal Form_09-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-10-28T15:14:51-04:00	
Trucked Waste Daily Totals Report_09-2018.csv	Other	2018-10-28T15:16:00-04:00	Trucked Waste Daily Totals Report_09-2018
CBO020_9-3-18.pdf	Laboratory Analytical Report	2018-10-28T15:05:52-04:00	
EFF_ALS_9-5-18.PDF	Laboratory Analytical Report	2018-10-28T15:11:23-04:00	
EFF_WRTT_09-2018.pdf	Laboratory Analytical Report	2018-10-28T15:11:39-04:00	
DMR Laboratory Accreditation-ALS-09-2018.doc	Laboratory Accreditation Form	2018-10-28T15:14:08-04:00	
CBO020_9-12-18.pdf	Laboratory Analytical Report	2018-10-28T15:07:40-04:00	
CBO020_9-17-18.pdf	Laboratory Analytical Report	2018-10-28T15:08:02-04:00	
CBO020_9-19-18.pdf	Laboratory Analytical Report	2018-10-28T15:08:42-04:00	
Hauled in Residual Wastes_09-2018.xls	Hauled in Residual Waste Form	2018-10-28T15:13:08-04:00	

PERMIT VIOLATIONS

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

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	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

Non-Compliance ID	Comments	Operator Name	Operator Certification Number	Operator Contact Number
		Michael J. Disantis	TD403	(610) 376-5523

SUBMISSION INFORMATION

SUBMITTED BY	TELEPHONE	DATE
GREENFORT USER	(610) 876-5523	2018 10 26
disantism	AREA CODE NUMBER	YEAR MO DAY

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 89, 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).



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	09	01	TO	18	09	30
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²				
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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 10/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>							
Address: <u>P.O. Box 999</u>							
<u>Chester, PA 19016</u>							
<u>19016</u>							
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day			
PA0027103				18	09	01	TO 18 09 30
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²	
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		Collert 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 possibility 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: 10/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP Month: September Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware
 Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	30.84			248	63,787	4575.00	1.32	580000.00
2	29.45			192	47,158	3660.00	1.82	528000.00
3	30.76			216	55,412	3765.00	1.99	524000.00
4	31.01	131	33,880	448	115,863	3405.00	1.80	549000.00
5	32.38	266	71,833	366	98,838	3855.00	1.90	549000.00
6	31.34			326	85,208	3590.00	1.41	549000.00
7	38.27			440	140,436	3850.00	1.26	554000.00
8	50.74			236	99,868	4010.00	1.39	585000.00
9	75.88	87	55,057	176	111,380	3735.00	1.89	612000.00
10	70.40			216	126,821	3080.00	2.21	567000.00
11	50.38			298	125,210	3600.00	1.84	571000.00
12	45.80	306	116,883	348	132,926	3625.00	1.85	566000.00
13	41.84			440	153,536	3695.00	1.50	543000.00
14	35.83			446	133,275	3775.00	1.52	560000.00
15	33.76			232	65,322	3410.00	1.28	564000.00
16	33.12	176	48,615	184	50,825	3715.00	1.56	546000.00
17	35.06			430	125,732	3605.00	1.40	564000.00
18	37.29	346	107,606	292	90,812	4330.00	1.21	576000.00
19	34.79			368	106,775	4190.00	1.82	554000.00
20	33.32			364	101,152	4630.00	1.67	580000.00
21	33.23			402	111,410	4175.00	1.55	588000.00
22	33.31			308	85,564	3640.00	1.40	575000.00
23	40.38	139	46,811	236	79,478	4025.00	2.29	563000.00
24	43.08			318	114,253	4480.00	2.23	504000.00
25	45.53			352	133,662	3840.00	1.60	513000.00
26	44.69	510	190,084	334	124,487	3690.00	1.64	540000.00
27	39.47			330	108,629	3860.00	1.68	529000.00
28	55.12			262	120,442	3385.00	1.44	520000.00
29	38.82			138	44,679	4240.00	1.82	450000.00
30	33.91	124	35,068	158	44,684	4440.00	2.67	552000.00
31								
Avg	40.327	232	78,426	303	99,921	3,863	2	551,833
Max	75.88	510	190,084	448	153,536	4,630	3	612,000

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 Maintenance Date: 10/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: September Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware
 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)
1	24770			Headworks				Headworks	37987		0
2				Headworks				Headworks			
3				Headworks				Headworks			
4	59910			Headworks	169588			Headworks	104081		0
5	50350			Headworks	91000			Headworks	106828		0
6	74300			Headworks	177466			Headworks	88438		0
7	59200			Headworks	76232			Headworks	93701		0
8	24600			Headworks				Headworks	39950		0
9				Headworks				Headworks			
10	66730			Headworks	100292			Headworks	120510		0
11	59950			Headworks	86980			Headworks	93230		0
12	38850			Headworks	81531			Headworks	94403		0
13	83620			Headworks	142810			Headworks	109800		0
14	47985			Headworks	96487			Headworks	105880		0
15	15590			Headworks				Headworks	64937		0
16				Headworks				Headworks			
17	59200			Headworks	98318			Headworks	84677		0
18	36650			Headworks	81747			Headworks	112350		0
19	44650			Headworks	89014			Headworks	109502		0
20	62900			Headworks	131129			Headworks	84100		0
21	52750			Headworks	119065			Headworks	84200		0
22	25946			Headworks				Headworks	29427		0
23				Headworks				Headworks			
24	61600			Headworks	114498			Headworks	73300		0
25	44050			Headworks	110756			Headworks	97882		0
26	39300			Headworks	93429			Headworks	100750		0
27	67550			Headworks	136428			Headworks	96469		0
28	38773			Headworks	108166			Headworks	103578		0
29	13969			Headworks				Headworks	38142		0
30				Headworks				Headworks			
31				Headworks				Headworks			
Avg	48,545				110,786				86,422		5,332,251

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 10/28/2018

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

County: Delaware

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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 (lbs)	
1				Headworks				Headworks	10000	0	
2				Headworks				Headworks			
3				Headworks				Headworks			
4				Headworks				Headworks	137270	0	
5				Headworks				Headworks	210000	0	
6				Headworks				Headworks	105897	0	
7				Headworks				Headworks	138800	0	
8				Headworks				Headworks	26700	0	
9				Headworks				Headworks			
10				Headworks				Headworks	50356	0	
11				Headworks				Headworks	173400	0	
12				Headworks				Headworks	151338	0	
13				Headworks				Headworks	166700	0	
14				Headworks				Headworks	53350	0	
15				Headworks				Headworks	10500	0	
16				Headworks				Headworks			
17				Headworks				Headworks	97800	0	
18				Headworks				Headworks	173000	0	
19				Headworks				Headworks	199000	0	
20				Headworks				Headworks	59314	0	
21				Headworks				Headworks	90000	0	
22				Headworks				Headworks	11000	0	
23				Headworks				Headworks			
24				Headworks				Headworks	84500	0	
25				Headworks				Headworks	90900	0	
26				Headworks				Headworks	108300	0	
27				Headworks				Headworks	124583	0	
28				Headworks				Headworks	142510	0	
29				Headworks				Headworks	5000	0	
30				Headworks				Headworks			
31				Headworks				Headworks			
Avg									100,842	2,420,218	

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 Maintenance

License No.: T0403
 Date: 10/28/2018



3800-FM-DPMS0435 2/2012

SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP **Month:** 9 **Year:** 2018
Municipality: City of Chester **Permit No.:** PA00277-03 **Outfall:** 001
Watershed: DELCORA; ALS Environmental **Renewal application due 180 days prior to expiration:** April 30, 2019
Laboratories: **This permit will expire on:**

Week	Day	Sample Date	Flow MGD	Fecal Coliform CFU/100ML	pH	CBOD5 mg/L	CBOD20 mg/L	CBOD26 K %	TSS mg/L	TSS K %	TDS mg/L	Oil and Grease mg/L	TRC mg/L	NH3-N mg/L	NO2-N mg/L	NO3-N mg/L	TKN mg/L	Total Copper mg/L	Total Lead mg/L											
																				1	2	3	4	5	6	7	8	9	10	11
1	Sat	9/7/18	29.77	36.8	6.98	7.00			9.00	98.37			0.30																	
	Sun	9/7/18	29.60	9.7	6.58	3.00			9.00	98.31			0.38																	
	Mon	9/9/18	29.87	5.2	6.34	4.00	7	96.09	9.00	98.76			0.40																	
	Tue	9/11/18	29.90	3.1	6.44	4.00	11	97.40	10.00	97.77			0.52		15.28		4.4	0.0110	0.0030											
	Wed	9/12/18	30.44	32.7	6.69	5.00	12	97.09	13.00	97.95			0.56																	
	Thu	9/13/18	30.65	39.9	6.7	6.00			13.00	98.05			0.63																	
	Fri	9/14/18	30.84	16.5	6.74	6.00			14.00	98.05			0.63																	
	Sat	9/15/18	30.84	41.2	6.74	7.00			14.00	98.05			0.63																	
	Sun	9/16/18	29.18	41.2	6.47	7.00			21.50	87.55			0.45																	
	Mon	9/17/18	49.31	20.9	6.7	6.00	26	90.75	23.40	89.17			0.52																	
	Tue	9/18/18	49.31	24.3	6.72	6.00	16	95.98	13.10	95.83			0.57		4.70		2.96													
	Wed	9/19/18	44.63	6.00	7.00	6.00	12.00	96.85	13.10	96.24			0.55																	
	Thu	9/20/18	40.75	16.30	6.88	5.00			13.30	96.98			0.57																	
	Fri	9/21/18	34.72	16.30	6.88	5.00			11.00	97.53			0.51																	
	Sat	9/22/18	32.85	16.30	6.88	4.00			7.30	96.75			0.52																	
	Sun	9/23/18	32.19	12.30	6.72	4.00			7.00	96.35			0.29		0.15		4.33													
	Mon	9/24/18	34.21	7.10	6.86	3.00	9.00	98.09	7.10	97.60			0.42																	
	Tue	9/25/18	31.83	20.10	6.87	3.00	9.00	97.62	7.20	98.04			0.22																	
	Wed	9/26/18	31.83	20.10	6.87	3.00	9.00	97.67	8.00	97.80			0.22																	
	Thu	9/27/18	32.28	27.50	6.72	6.00			8.30	97.94			0.39																	
	Fri	9/28/18	31.11	26.20	6.72	6.00			9.20	97.01			0.33																	
	Sat	9/29/18	37.09	15.50	6.84	4.00			10.10	95.72			0.41																	
	Sun	9/30/18	40.44	35.00	6.36	5.00			10.20	95.79			0.41																	
	Mon	10/1/18	42.68	19.00	6.77	7.00	11.00	97.43	10.20	95.79			0.42																	
	Tue	10/2/18	42.68	19.00	6.77	7.00	15.00	97.32	11.60	97.10			0.48																	
	Wed	10/3/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	10/4/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	10/5/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	10/6/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	10/7/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	10/8/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	10/9/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	10/10/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	10/11/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	10/12/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	10/13/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	10/14/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	10/15/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	10/16/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	10/17/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	10/18/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	10/19/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	10/20/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	10/21/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	10/22/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	10/23/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	10/24/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	10/25/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	10/26/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	10/27/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	10/28/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	10/29/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	10/30/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	10/31/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	11/1/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	11/2/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	11/3/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	11/4/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	11/5/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	11/6/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	11/7/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	11/8/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	11/9/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sat	11/10/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Sun	11/11/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Mon	11/12/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Tue	11/13/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Wed	11/14/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Thu	11/15/18	42.68	19.00	6.77	7.00	14.00	97.41	9.80	97.10			0.49																	
	Fri	11/16/18	42.68	19.00																										



DELCORA STP SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

Facility Name: DELCORA STP, Municipality: City of Chester, County: Delaware, State: Delaware, Month: 8, Year: 2018, Permit No.: PA0027103, Cutoff: 001, Renewal application due 180 days prior to expiration, This permit will expire on: April 30, 2018

Table with columns: Week, Day, Date, Flow (MGD), TSS (RI, Q), BOD5 (RI, Q), CBOD5 (RI, Q), and a grid for parameters. Includes summary statistics at the bottom.

I certify under penalty of law that this document was prepared under my direct supervision and in accordance with a system designed to ensure that qualified personnel gather and evaluate the information submitted. Based on my knowledge and belief, and accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Michael DiSantis, Title: Dir. Of Operations and Maintenance, License No.: T0403, Date: 9/28/2018



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: 2018
 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 & Haynes	Yes	
005	Front & Townsend	Yes	
007	Delaware & Reaney	Yes	
008	2nd & Tligham	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 & Meirose	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: 10/16/2018

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, November 28, 2018 1:58 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: 10/01/2018-10/31/2018
Report Due Date: 11/28/2018

Submitted By: Michael DiSantis
Submission Id: 124218
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

November 28, 2018

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 October, 2018. All parameters were in compliance for the monthly reporting period.

Parameter averages for October, 2018 were: Flow – 34.77 MGD; cBOD₅ – 6 mg/l; TSS – 10 mg/L; cBOD₂₀ % removal – 97.77%; and cBOD₂₀ loading – 3,372 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

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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19018-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Final Effluent

PA00027103,
PERMIT NUMBER

Reporting Frequency: Monthly
DMR Effective From: 10/01/2018
DMR Effective To: 10/31/2018
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
2018	10	01	2018	10	31	

PARAMETERS REPORTED VALUES

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	UNITS	VALUE	UNITS		
pH (00400)	Sample Measurement	6.37	***	6.92	S.U.	1/day	Grab
	Permit Requirement	5.0	***	8.0	MIN/MAX	1/day	Grab
Total Suspended Solids (00500)	Sample Measurement	3508	bas/day	10.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000	Wgdy Avg	45.0	Wgdy Avg	1/day	24-Hr Composite
Oil and Grease (00556)	Sample Measurement	<1450	bas/day	<5.0	mg/L	1/day	Grab
	Permit Requirement	5500	***	30.0	MIN/MAX	1/day	Grab
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	4.53	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	***	***	2/month	24-Hr Composite
Nitrate as N (00615)	Sample Measurement	***	***	.14	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	***	***	2/month	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	8.69	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	***	***	2/month	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	6.7	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	***	***	2/month	24-Hr Composite
Cyanide, Total (00720)	Sample Measurement	***	***	.0104	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	1/month	24-Hr Composite
Chlorobromomethane (34305)	Sample Measurement	***	***	.0017	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	<0.002	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	.0053	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	<0.010	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	.0260	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	1/month	24-Hr Composite
Dichlorobromomethane (32101)	Sample Measurement	***	***	.0020	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	1/month	Grab
Fluor (00650)	Sample Measurement	34.77	MGD	***	***	Continuous	Measured
	Permit Requirement	61.61	MGD	***	***	Continuous	Measured
Total Residual Chlorine (TRC) (00690)	Sample Measurement	***	***	.5	mg/L	1/day	Grab
	Permit Requirement	***	***	1.0	MIN/MAX	1/day	Grab



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

Sample Measurement Permit Requirement	*** ***	*** ***	*** ***	*** ***	*** ***	*** ***	566 Monitor & Report Avg Mo	682 Monitor & Report Daily Max	ng/L	5week 2month	24-Hr Composite 24-Hr Composite
Total Dissolved Solids (70265)	***	***	***	***	***	***	15	201.4	Na, /100 ml	1day	24-Hr Composite
Fecal Coliform (74685)	***	***	***	***	***	***	200 Geo Mean	1000 IMPK	Na, /100 ml	1day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	1815	2867	10500 Wky Avg	10500 Wky Avg	10500 Wky Avg	10500 Wky Avg	6.0	8.0	mg/L	1day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	7000 Avg Mo	3372	10500 Avg Mo	10500 Avg Mo	10500 Avg Mo	10500 Avg Mo	19.0 Avg Mo	28.0 Wky Avg	mg/L	1day	24-Hr Composite
Facility Comments	***	***	***	***	***	***	***	***	***	3week	24-Hr Composite
	***	***	***	***	***	***	***	***	***	1week	24-Hr Composite



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

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

PERMIT NUMBER: PA0027103

OUTFALL NUMBER: 001

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	10	01	2018	10	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2018
DMR Effective To: 10/31/2018
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	UNITS	VALUE	UNITS		
BOD, carbonaceous 20 day, 20 C (B05B7)	---	---	97.77	%	3/week	24-Hr Compostab
	---	---	88.25	%	1/week	24-Hr Compostab
Min Mo Avg						
Facility Comments						



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3281 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	10	01	31

Reporting Frequency: Monthly
DMR Effective From: 10/01/2018
DMR Effective To: 10/31/2018
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	UNITS	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	74082	lbs/day	283	mg/L	1/week	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/week	24-Hr Composite
Total Suspended Solids (00630)	86501	lbs/day	291	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite
Carbonate Biochemical Oxygen Demand (CBOD5) (60082)	73113	lbs/day	249	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite

Facility Comments



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
Hauled-In Municipal Waste, 10-2018.xls	Hauled-In Municipal Waste Form	2018-11-28T09:21:42-0500	
DMR Laboratory Accreditation-AL5-10-2018.doc	Laboratory Accreditation Form	2018-11-28T09:23:12-0500	
WRTP_Sludge_10-2018.pdf	Laboratory Analytical Report	2018-11-28T09:24:26-0500	
EFF_ALE_10-2-18.PDF	Laboratory Analytical Report	2018-11-28T09:20:14-0500	
Process_WRT2_10-2018.pdf	Laboratory Analytical Report	2018-11-28T09:25:51-0500	
DMR Cover Letter 10-2018.doc	Cover Letter	2018-11-28T15:57:04-0500	
CBO020_10-1-18.pdf	Laboratory Analytical Report	2018-11-28T08:14:01-0500	
CBO020_10-2-18.pdf	Laboratory Analytical Report	2018-11-28T08:14:37-0500	
CBO020_10-3-18.pdf	Laboratory Analytical Report	2018-11-28T08:14:52-0500	
CBO020_10-4-18.pdf	Laboratory Analytical Report	2018-11-28T09:16:04-0500	
CBO020_10-5-18.pdf	Laboratory Analytical Report	2018-11-28T09:16:22-0500	
CBO020_10-6-18.pdf	Laboratory Analytical Report	2018-11-28T09:16:42-0500	
CBO020_10-7-18.pdf	Laboratory Analytical Report	2018-11-28T09:16:25-0500	
CBO020_10-8-18.pdf	Laboratory Analytical Report	2018-11-28T09:16:46-0500	
DRBC_MUR_10-1-18.pdf	Daily Influent Monitoring Form-10-2018.xls	2018-11-28T09:13:41-0500	
INF_WRT2_10-2018.pdf	Daily Influent Monitoring Form	2018-11-28T09:21:20-0500	
DRBC_MUR_10-9-18.pdf	Laboratory Analytical Report	2018-11-28T09:19:04-0500	
CBO020_10-9-18.pdf	Laboratory Analytical Report	2018-11-28T09:19:54-0500	
DRBC_MUR_10-22-18.pdf	Influent and Process Control Form	2018-11-28T09:22:34-0500	
DMR Laboratory Accreditation-WRT2-10-2018.doc	Laboratory Accreditation Form	2018-11-28T09:15:12-0500	
CBO020_10-8-18.pdf	Laboratory Analytical Report	2018-11-28T09:14:23-0500	
CBO020_10-2-18.pdf	Laboratory Analytical Report	2018-11-28T09:17:20-0500	
CBO020_10-24-18.pdf	Laboratory Analytical Report	2018-11-28T09:17:48-0500	
CBO020_10-25-18.pdf	Laboratory Analytical Report	2018-11-28T09:20:54-0500	
EFF_WRT2_10-2018.pdf	Laboratory Analytical Report	2018-11-28T09:27:04-0500	
DRBC_MUR_10-15-18.pdf	Hauled-In Residual Waste Form	2018-11-28T08:19:35-0500	
Sewage Sludge Biosolids Production and Disposal Form_10-2018.xls	Sewage Sludge Biosolids Production and Disposal Form	2018-11-28T08:24:09-0500	
October 2018 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2018-11-28T08:24:54-0500	
Daily Effluent Monitoring Form-10-2018.xls	Daily Effluent Monitoring Form	2018-11-28T08:13:19-0500	
CBO020_10-0-18.pdf	Laboratory Analytical Report	2018-11-28T08:13:29-0500	
CBO020_10-15-18.pdf	Laboratory Analytical Report	2018-11-28T09:19:46-0500	
CBO020_10-23-18.pdf	Laboratory Analytical Report	2018-11-28T09:17:04-0500	

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
	Michael J. Disantis	10403
		Operator Contact Number (610)476-5523

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).			TELEPHONE	DATE	
	disantism	Michael Disantis	(610) 876-5523	2018	11	
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCTORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	10	01	TO	18	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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 11/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	10	01	TO	18	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		SM 9222 D		DELCORA - Central Laboratory			23-00671			
BOD20/cBOD20		Collert 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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 11/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: October Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	36.67			334	102,146	2995.00	1.87	558000.00		
2	35.51			440	130,307	3630.00	1.66	444000.00		
3	40.13	211	70,618	288	96,389	3625.00	1.58	535000.00		
4	35.16			330	96,767	4765.00	1.54	460000.00		
5	35.14			364	106,677	4710.00	1.63	479000.00		
6	35.75			186	55,457	4710.00	1.85	470000.00		
7	32.99	122	33,567	142	39,069	5045.00	2.01	484000.00		
8	33.99			296	83,909	4665.00	1.42	489000.00		
9	33.46			294	82,043	5310.00	1.23	611000.00		
10	32.82	358	97,991	410	112,225	5670.00	1.53	639000.00		
11	44.62			370	137,688	7100.00	1.13	695000.00		
12	53.03			230	101,722	3915.00	1.34	575000.00		
13	36.18			132	39,830	4410.00	1.44	529000.00		
14	35.46	121	35,784	162	47,909	4755.00	2.09	572000.00		
15	37.72			348	109,476	4460.00	1.37	602000.00		
16	34.14			264	75,168	4480.00	1.49	598000.00		
17	33.94	273	77,275	252	71,331	4035.00	1.72	645000.00		
18	32.56			394	106,991	4695.00	1.67	573000.00		
19	31.63			306	80,721	4385.00	1.61	562000.00		
20	31.70			192	50,761	4870.00	1.44	622000.00		
21	31.07			192	49,752	4125.00	2.68	545000.00		
22	30.86	401	103,206	334	85,962	4330.00	1.96	640000.00		
23	32.45			343	92,827	3715.00	1.71	565000.00		
24	31.91	452	120,290	428	113,903	4530.00	1.69	633000.00		
25	29.26			345	84,190	4435.00	1.44	658000.00		
26	34.29			338	96,661	4180.00	1.51	620000.00		
27	62.84			252	132,070	3790.00	1.29	528000.00		
28	39.51	90	29,656	115	37,894	5335.00	2.11	518000.00		
29	33.71			258	72,534	4975.00	1.31	527000.00		
30	34.38	343	98,348	292	83,725	4030.00	1.43	597000.00		
31	33.20			392	108,540	4295.00	1.54	552000.00		
Avg	36.003	263	74,082	291	86,601	4,515	2	565,323		
Max	62.84	452	120,290	440	137,688	7,100	3	695,000		

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: Michael DiSantis License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 11/28/2018



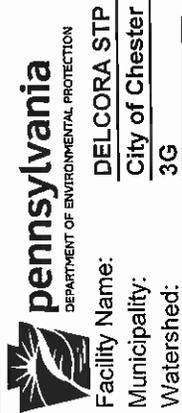
SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: October Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G 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)			
1	54350			Headworks	57190			Sludge Thickening	116292			Headworks	227,832	0
2	55000			Headworks	47500			Sludge Thickening	122640			Headworks	225,140	0
3	52950			Headworks	67150			Sludge Thickening	84500			Headworks	204,600	0
4	56100			Headworks	36000			Sludge Thickening	77875			Headworks	219,975	0
5	34550			Headworks	61100			Sludge Thickening	113666			Headworks	209,316	0
6	15623			Headworks				Sludge Thickening	50100			Headworks	65,723	0
7				Headworks				Sludge Thickening				Headworks		
8	62980			Headworks	82100			Sludge Thickening	109567			Headworks	254,647	0
9	37300			Headworks	61782			Sludge Thickening	135930			Headworks	235,012	0
10	47000			Headworks	65681			Sludge Thickening	103156			Headworks	215,837	0
11	57500			Headworks	87112			Sludge Thickening	111600			Headworks	256,212	0
12	58350			Headworks	53964			Sludge Thickening	101561			Headworks	213,875	0
13	19371			Headworks				Sludge Thickening	36720			Headworks	56,091	0
14				Headworks				Sludge Thickening				Headworks		
15	79134			Headworks	103306			Sludge Thickening	96930			Headworks	279,370	0
16	34150			Headworks	109726			Sludge Thickening	118446			Headworks	262,322	0
17	84750			Headworks	81745			Sludge Thickening	77035			Headworks	243,530	0
18	42100			Headworks	133420			Sludge Thickening	110150			Headworks	285,670	0
19	39200			Headworks	101659			Sludge Thickening	85800			Headworks	226,659	0
20	4000			Headworks	12000			Sludge Thickening	52719			Headworks	68,719	0
21				Headworks				Sludge Thickening				Headworks		
22	56214			Headworks	71726			Sludge Thickening	70150			Headworks	198,090	0
23	60136			Headworks	80507			Sludge Thickening	103872			Headworks	244,515	0
24	56838			Headworks	90296			Sludge Thickening	67500			Headworks	214,634	0
25	45800			Headworks	81139			Sludge Thickening	89200			Headworks	216,139	0
26	55150			Headworks	66630			Sludge Thickening	75112			Headworks	196,892	0
27	2853			Headworks				Sludge Thickening	41017			Headworks	43,870	0
28				Headworks				Sludge Thickening				Headworks		
29	77850			Headworks	108731			Sludge Thickening	102850			Headworks	289,431	0
30	51000			Headworks	131857			Sludge Thickening	89309			Headworks	272,166	0
31	52250			Headworks	104189			Sludge Thickening	90965			Headworks	247,404	0
Avg	47,870				81,105				90,173			Monthly Totals:	5,673,671	

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 11/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP Month: October Year: 2018
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due **180 days** prior to expiration.
 This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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 (lbs)	Gallons	BOD ₅ (lbs)	
1				Headworks				Sludge Thickening	84000			84,000	0
2				Headworks				Sludge Thickening	94570			94,570	0
3				Headworks				Sludge Thickening	77600			77,600	0
4				Headworks				Sludge Thickening	183651			183,651	0
5				Headworks				Sludge Thickening	130616			130,616	0
6				Headworks				Sludge Thickening	22200			22,200	0
7				Headworks				Sludge Thickening					
8				Headworks				Sludge Thickening	110099			110,099	0
9				Headworks				Sludge Thickening	141100			141,100	0
10				Headworks				Sludge Thickening	107200			107,200	0
11				Headworks				Sludge Thickening	148400			148,400	0
12				Headworks				Sludge Thickening	67090			67,090	0
13				Headworks				Sludge Thickening	38500			38,500	0
14				Headworks				Sludge Thickening					
15				Headworks				Sludge Thickening	82412			82,412	0
16				Headworks				Sludge Thickening	66000			66,000	0
17				Headworks				Sludge Thickening	73100			73,100	0
18				Headworks				Sludge Thickening	132153			132,153	0
19				Headworks				Sludge Thickening	105800			105,800	0
20				Headworks				Sludge Thickening	53767			53,767	0
21				Headworks				Sludge Thickening					
22				Headworks				Sludge Thickening	61900			61,900	0
23				Headworks				Sludge Thickening	128200			128,200	0
24				Headworks				Sludge Thickening	160665			160,665	0
25				Headworks				Sludge Thickening	126923			126,923	0
26				Headworks				Sludge Thickening	115667			115,667	0
27				Headworks				Sludge Thickening					
28				Headworks				Sludge Thickening					
29				Headworks				Sludge Thickening	83300			83,300	0
30				Headworks				Sludge Thickening	138779			138,779	0
31				Headworks				Sludge Thickening	133200			133,200	0
Avg									102,573			2,666,892	

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 License No.: T0403
 Title: Dir. Operations and Maintenance Date: 11/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3866FK-8PWSW0435 3/26/12

Facility Name: DELCORA STP
Municipality: City of Chester
Watershed: 3-3
Laboratories: DELCORA, ALS Environmental

County: Delaware

Month: 10 (select number)
Year: 2018
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		pH	Fecal Coliform	c5005	CBOD20	CBOD30	TSS	TSS	K	TSS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead
			MGD	MGD																	
1	Sun	10/20/18	32.79	10.9	6.43	3	7	38.42	5.0	59.20	59.20	0.33	5.0	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Mon	10/21/18	35.95	24.74	6.81	4	7	58.77	6.5	58.20	58.20	0.33	6.5	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Tue	10/22/18	34.74	24.1	6.81	3	10	56.26	9.0	58.20	58.20	0.33	9.0	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Wed	10/23/18	39.45	24.2	6.81	4	10	56.26	9.0	58.20	58.20	0.33	9.0	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Thu	10/24/18	34.42	21.7	6.81	2	10	56.26	11.9	58.20	58.20	0.33	11.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Fri	10/25/18	34.4	21.7	6.81	2	10	56.26	11.9	58.20	58.20	0.33	11.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sat	10/26/18	34.4	21.7	6.81	2	10	56.26	11.9	58.20	58.20	0.33	11.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
2	Sun	10/27/18	32.19	15.9	6.85	6	12	57.06	11.2	59.22	59.22	0.33	11.2	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Mon	10/28/18	33.52	19.7	6.83	5	15	56.53	11.5	59.09	59.09	0.33	11.5	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Tue	10/29/18	32.02	24.3	6.78	7	21	57.47	10.8	57.37	57.37	0.33	10.8	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Wed	10/30/18	32.02	24.3	6.78	7	21	57.47	10.8	57.37	57.37	0.33	10.8	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Thu	10/31/18	42.00	20.1	6.82	13	14.2	56.16	14.2	56.16	56.16	0.33	14.2	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Fri	11/01/18	42.00	20.1	6.89	15	16.2	52.38	16.2	52.38	52.38	0.33	16.2	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sat	11/02/18	34.03	16.0	6.78	9	12.8	50.30	12.8	50.30	50.30	0.33	12.8	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sun	11/03/18	34.19	13.5	6.52	5	11.5	52.50	11.5	52.50	52.50	0.33	11.5	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Mon	11/04/18	36.05	10.9	6.44	6	13	57.25	16.3	58.23	58.23	0.33	16.3	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Tue	11/05/18	33.85	25.9	6.64	19	19	58.95	19	58.95	58.95	0.33	19	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Wed	11/06/18	32.85	10.6	6.70	5	10	55.55	8.2	58.23	58.23	0.33	8.2	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Thu	11/07/18	30.51	6.6	6.79	2	7.1	57.82	7.1	57.82	57.82	0.33	7.1	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Fri	11/08/18	30.47	7.5	6.65	2	6.4	56.57	6.4	56.57	56.57	0.33	6.4	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sat	11/09/18	30.51	7.5	6.65	2	6.4	56.57	6.4	56.57	56.57	0.33	6.4	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sun	11/10/18	29.58	2.1	6.59	3	6.7	56.51	6.7	56.51	56.51	0.33	6.7	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Mon	11/11/18	29.58	2.1	6.59	3	6.7	56.51	6.7	56.51	56.51	0.33	6.7	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Tue	11/12/18	30.75	3.1	6.64	5	11	58.60	6.9	57.89	57.89	0.33	6.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Wed	11/13/18	30.75	3.1	6.64	5	11	58.60	6.9	57.89	57.89	0.33	6.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Thu	11/14/18	30.75	3.1	6.64	5	11	58.60	6.9	57.89	57.89	0.33	6.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Fri	11/15/18	27.82	5.2	6.84	6	6.6	58.09	6.6	57.99	57.99	0.33	6.6	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sat	11/16/18	32.08	16.1	6.84	5	6.8	57.99	6.8	57.99	57.99	0.33	6.8	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sun	11/17/18	61.61	2419.5	6.47	9	14.4	54.29	14.4	54.29	54.29	0.33	14.4	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Mon	11/18/18	39.42	16.0	6.64	4	8.4	52.70	8.4	52.70	52.70	0.33	8.4	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Tue	11/19/18	32.78	8.8	6.52	5	10	58.05	9.1	58.47	58.47	0.33	9.1	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Wed	11/20/18	31.35	6.3	6.70	5	13	58.54	6.5	57.95	57.95	0.33	6.5	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Thu	11/21/18	31.35	7.5	6.64	5	12	55.35	8.4	57.35	57.35	0.33	8.4	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Fri	11/22/18	30.43	4	6.82	4	8.2	57.44	8.2	57.44	57.44	0.33	8.2	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
	Sat	11/23/18	48.52	7	6.77	4	10.9	54.88	10.9	54.88	54.88	0.33	10.9	5	0.33	10.10	0.05	5.48	0.0053	0.0010	
STATISTICS FOR 2018																					
Daily Minimum (Conc):		1	5.37	3	5.4	30.3	455	35.33	5.4	90.3	90.3	0.27	5.4	5	2.2	6.07	0.05	4.57	0.0053	0.001	
Daily Maximum (Conc):		2419.5	6.82	15	15.6	98.77	892	98.77	15.6	98.52	98.52	0.95	15.6	5	7.53	10.1	0.19	5.74	0.0053	0.001	
Max Avg Monthly (Conc):		6.82	6.82	9	16	38.58	671	38.58	12	97.45	107.45	1	12	5	7.53	10.1	0.19	5.74	0.0053	0.001	
Operative Max (Conc):		15	6	6	12	97.77	568	97.77	10	96.18	96.18	0.5	10	5	4.63	8.68	0.14	6.7	0.0053	0.001	
Max Avg Weekly (Load):		38.79	2857	4338	3906	3906	194219	4338	3906	194219	194219	162	3906	5	20.42	30.35	58	26.42	2	0.3	
Avg Monthly (Load):		34.77	1815	2901	2901	2901	139339	2901	2901	139339	139339	1162	2901	5	1302	2433	39	1832	2	0.3	
Total Monthly (Load):		107.78	56274	104518	89827	89827	40625	89827	89827	40625	40625	4657	89827	5	40442	75485	1199	58351	48	9	
Daily-Minimum (Load):		27.82	743	2028	743	743	115738	743	743	115738	115738	74	743	5	543	1643	15	1127	2	0.3	
Daily-Maximum (Load):		67.51	6391	6391	6391	6391	241935	6391	6391	241935	241935	269	6391	5	2642	3035	58	2642	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 certified personnel who prepare the information submitted have received proper instruction and training and that the information submitted is true, accurate and complete. I am hereby certifying that the information submitted on this report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer in the State of Pennsylvania.

Prepared By: Michael Disantis License No. T0403
Title: Dir. Of Operations and Maintenance Date: 11/22/2018



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: October Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G County: Delaware 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: 11/16/2018



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

December 28, 2018

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 November, 2018. During the reporting period, the WRTP experienced record high flows, averaging 47.96 MGD for the month. Despite these elevated flows, the treatment plant produced an effluent of exceptional quality, meeting all requirements by a considerable margin.

Parameter averages for November, 2018 were: Flow – 47.96 MGD; cBOD₅ – 8 mg/l; TSS – 13 mg/L; cBOD₂₀ % removal – 94.5%; and cBOD₂₀ loading – 8,162 lbs/day. All parameters were in compliance for the monthly reporting period.

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: Friday, December 28, 2018 10:28 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: 11/01/2018-11/30/2018
Report Due Date: 12/28/2018

Submitted By: Michael DiSantis
Submission Id: 128151
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.



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.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

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

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	11	01	30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
pH (0040)	6.43	***	6.83	S.U.	1day	Grab
	8.0	Inst/Min	IMAX		1day	Grab
Total Suspended Solids (00330)	5427	lb/day	13.0	mg/L	1day	24-Hr Composite
	15000	Wly Avg	45.0	Wly Avg	1day	24-Hr Composite
Oil and Grease (0055)	<0000	lb/day	<5.0	mg/L	1day	Grab
	5500	mg/L	15.0	IMAX	1day	Grab
Ammonia-Nitrogen (00610)	***	***	5.85	mg/L	1week	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	2month	24-Hr Composite
Nitrite as N (00615)	***	***	.28	mg/L	1week	24-Hr Composite
	***	***	Monitor & Report Daily Max	***	2month	24-Hr Composite
Nitrate as N (00620)	***	***	5.08	mg/L	1week	24-Hr Composite
	***	***	Monitor & Report Daily Max	***	2month	24-Hr Composite
Total Kjeldahl Nitrogen (00825)	***	***	8.1	mg/L	1week	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	2month	24-Hr Composite
Cyanide, Total (00720)	***	***	.012	mg/L	1month	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	1month	24-Hr Composite
Chloroformomethane (34306)	***	***	<0010	mg/L	1month	Grab
	***	***	Monitor & Report Avg Mo	***	1month	Grab
Cadmium, Total (01027)	***	***	<0002	mg/L	1month	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	1month	24-Hr Composite
Copper, Total (01042)	***	***	.0044	mg/L	1month	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	1month	24-Hr Composite
Lead, Total (01051)	***	***	<0010	mg/L	1month	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	1month	24-Hr Composite
Zinc, Total (01052)	***	***	.0280	mg/L	1month	24-Hr Composite
	***	***	Monitor & Report Avg Mo	***	1month	24-Hr Composite
Dichlorobromomethane (32101)	***	***	.0016	mg/L	1month	Grab
	***	***	Monitor & Report Avg Mo	***	1month	Grab
Flow (50050)	47.98	MGD	76.4	***	Continuous	Measured
	Monitor & Report Daily Max	***	***	***	Continuous	Measured
Total Residual Chlorine (TRC) (50052)	***	***	.5	mg/L	1day	Grab
	***	***	1.0	IMAX	1day	Grab



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

Parameter	Sample Measurement Permit Requirement	434 Monitor & Report Avg Mo	558 Monitor & Report Daily Max	ng/L	5week 2month	24-Hr Composite 24-Hr Composite
Total Dissolved Solids (70285)	***	***	***		5week	24-Hr Composite
Fecal Coliform (74655)	***	25	200.0	No./100 ml	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBO25) (80082)	3360	200	1000		1/day	Grab
	7000	8.0	9.0		1/day	24-Hr Composite
	10500	18.0	28.0		1/day	24-Hr Composite
	8162	***	***		3week	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	10500	***	***		1week	24-Hr Composite
Facility Comments						



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 999, CHESTER PA, 19316-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Percent Removal

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	11	01	2018	11	30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
BOD, carbonaceous, 20 day, 20 C (80097)	94.50	mg/l	94.50	%	1week	24-Hr Composite
			98.35	%	1week	24-Hr Composite
			Min. 100.0mg			
Facility Comments						



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

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

PA0827193
PERMIT NUMBER

001
OUTFALL NUMBER

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

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	11	01	2018 11 30

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
Biological Oxygen Demand (BOD5) (0010)	86590	lb/day	207	mg/L	1/week	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/week	24-Hr Composite
Total Suspended Solids (00520)	50414	lb/day	228	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00082)	76884	lb/day	200	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite

Facility Comments



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
VRTP_Process_11-2018.pdf	Laboratory Analytical Report	2018-12-27T15:27:40-0500	
DMR Cover Letter 11-2018.doc	Cover Letter	2018-12-28T10:27:08-05:00	
CBO020_11-20-18.pdf	Laboratory Analytical Report	2018-12-27T15:21:43-05:00	
EFF_ALS_11-18.PDF	Laboratory Analytical Report	2018-12-27T15:24:28-05:00	
VRTP_Effluent_11-2018.pdf	Laboratory Analytical Report	2018-12-27T15:24:49-05:00	
Hauled in Municipal Wastes_11-2018.xls	Laboratory Analytical Report	2018-12-27T15:26:38-05:00	
DRBC_MJR_11-19-18.pdf	Laboratory Analytical Report	2018-12-27T15:23:48-05:00	
Influent and Process Control_11-2018.xls	Influent and Process Control Form	2018-12-27T15:27:17-05:00	
CBO020_11-20-18.pdf	Laboratory Analytical Report	2018-12-27T15:22:43-05:00	
DRBC_MJR_11-12-18.pdf	Laboratory Analytical Report	2018-12-27T15:23:23-05:00	
DRBC_MJR_11-27-18.pdf	Laboratory Analytical Report	2018-12-27T15:24:09-05:00	
CBO020_11-19-18.pdf	Laboratory Analytical Report	2018-12-27T15:20:53-05:00	
CBO020_11-19-18.pdf	Laboratory Analytical Report	2018-12-27T15:21:17-05:00	
DMR Laboratory Accreditation-ALS-11-2018.doc	Laboratory Accreditation Form	2018-12-27T15:28:01-05:00	
DMR Laboratory Accreditation-VRTP-11-2018.doc	Laboratory Accreditation Form	2018-12-27T15:28:16-05:00	
Sewage Sludge Biosolids Prediction and Disposal Form_11-2018.xls	Sewage Sludge / Biosolids Prediction and Disposal Form	2018-12-27T15:28:35-05:00	
DRBC_MJR_11-16-18.pdf	Laboratory Analytical Report	2018-12-27T15:23:04-05:00	
CBO020_11-27-18.pdf	Laboratory Analytical Report	2018-12-27T15:22:21-05:00	
CBO020_11-20-18.pdf	Laboratory Analytical Report	2018-12-27T15:20:04-05:00	
VRTP_Influent_11-2018.pdf	Laboratory Analytical Report	2018-12-27T15:23:28-05:00	
Daily Effluent Monitoring Form-11-2018.xlsx	Influent and Process Control Form	2018-12-27T15:25:55-05:00	
Daily Influent Monitoring Form-11-2018.xlsx	Daily Effluent Monitoring Form	2018-12-27T15:26:13-05:00	
Hauled in Residual Wastes_11-2018.xls	Laboratory Analytical Report	2018-12-27T15:26:55-05:00	
Trucked Wastes_11-2018	Other	Trucked Wastes_11-2018	
VRTP_Stage_11-2018.pdf	Laboratory Analytical Report	2018-12-27T15:30:20-05:00	
November_2018 SWMM Report.xlsx	CSD Detailed Output Report Form	2018-12-27T15:30:55-05:00	
CBO020_11-15-18.pdf	Laboratory Analytical Report	2018-12-27T15:18:54-05:00	
CBO020_11-14-18.pdf	Laboratory Analytical Report	2018-12-27T15:19:25-05:00	
CBO020_11-12-18.pdf	Laboratory Analytical Report	2018-12-27T15:19:45-05:00	
CBO020_11-13-18.pdf	Laboratory Analytical Report	2018-12-27T15:20:18-05:00	
CBO020_11-14-18.pdf	Laboratory Analytical Report	2018-12-27T15:20:36-05:00	

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)	Reaching 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. Jisants	T0403	(610)-876-5523

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	Michael Diantis	TELEPHONE (610)	876-5523	DATE	12
disantism	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO
					DAY
<p>*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).</p>					



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	11	01	TO	18	11	30
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²				
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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 12/28/18

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	11	01	TO	18	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		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 12/28/2018

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.



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: November Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent					Process Control				
	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	31.16			324	84,199	4810.00	1.14	528000.00		
2	33.99			320	90,713	4950.00	1.22	613000.00		
3	50.98			213	90,562	4460.00	1.39	661000.00		
4	32.06	120	32,086	120	32,086	5150.00	1.78	669000.00		
5	48.51			270	109,235	3930.00	1.33	610000.00		
6	59.55			213	105,786	4390.00	1.57	566000.00		
7	47.44	194	76,756	200	79,130	4035.00	1.83	243000.00		
8	41.91			202	70,605	4415.00	1.62	509000.00		
9	49.68			350	145,016	4940.00	1.41	529000.00		
10	46.70			124	48,295	4050.00	1.75	566000.00		
11	37.57	101	31,647	135	42,300	4520.00	2.11	592000.00		
12	44.00			248	91,006	4375.00	1.45	647000.00		
13	68.74	290	166,255	238	136,443	3085.00	1.37	647000.00		
14	47.71			205	81,570	4420.00	1.75	495000.00		
15	55.05			232	106,515	4510.00	1.78	560000.00		
16	77.10			236	151,751	3040.00	2.24	488000.00		
17	53.16			122	54,089	4525.00	2.42	614000.00		
18	44.77			105	39,205	4980.00	2.90	605000.00		
19	41.71	312	108,533	272	94,618	4785.00	1.63	629000.00		
20	41.73			302	105,105	4390.00	1.54	647000.00		
21	41.46	356	123,096	272	94,051	4810.00	1.47	563000.00		
22	37.82			151	47,628	4850.00	1.86	504000.00		
23	38.25			348	111,014	4630.00	1.37	478000.00		
24	57.64			221	106,239	5030.00	1.35	345000.00		
25	71.51	79	47,115	107	63,814	4050.00	4.54	389000.00		
26	68.38			282	160,822	4140.00	2.95	517000.00		
27	62.72	205	107,232	208	108,802	3775.00	3.27	504000.00		
28	57.74			208	100,163	3585.00	2.82	496000.00		
29	51.11			272	115,942	3805.00	2.49	504000.00		
30	46.10			353	135,719	4250.00	1.75	513000.00		
31										
Avg	49.542	207	86,590	228	93,414	4,356	2	541,033		
Max	77.1	356	166,255	353	160,822	5,150	5	669,000		

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: Michael DiSantis License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 12/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: November Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G 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)
1	66350			Headworks	158170			Sludge Thickening	98500		
2	34400			Headworks	87497			Sludge Thickening	14375		
3	15508			Headworks	10000			Sludge Thickening	62161		
4				Headworks				Sludge Thickening			
5	46450			Headworks	86178			Sludge Thickening	112100		
6	48900			Headworks	86700			Sludge Thickening	126300		
7	62050			Headworks	93750			Sludge Thickening	128996		
8	47900			Headworks	118400			Sludge Thickening	108425		
9	45310			Headworks	74500			Sludge Thickening	131332		
10	20578			Headworks				Sludge Thickening	28920		
11				Headworks				Sludge Thickening			
12	38700			Headworks	70814			Sludge Thickening	105100		
13	47100			Headworks	96800			Sludge Thickening	131600		
14	29970			Headworks	85600			Sludge Thickening	108830		
15	24150			Headworks	128600			Sludge Thickening	56600		
16	28700			Headworks	87800			Sludge Thickening	104300		
17	14750			Headworks				Sludge Thickening	59851		
18				Headworks				Sludge Thickening			
19	38075			Headworks	117260			Sludge Thickening	102050		
20	75857			Headworks	162075			Sludge Thickening	140266		
21	29250			Headworks	103775			Sludge Thickening	72645		
22				Headworks				Sludge Thickening			
23	43293			Headworks	84668			Sludge Thickening	78450		
24	17388			Headworks				Sludge Thickening	50400		
25				Headworks				Sludge Thickening			
26	49708			Headworks	95049			Sludge Thickening	117900		
27	48925			Headworks	102370			Sludge Thickening	114225		
28	27900			Headworks	89245			Sludge Thickening	114321		
29	60507			Headworks	79568			Sludge Thickening	115200		
30	53600			Headworks	81132			Sludge Thickening	77950		
31				Headworks				Sludge Thickening			
Avg	41,141				95,703				99,592		
											Monthly Totals:
											5,605,067

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: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 12/28/2018



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: December Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due **180 days** prior to expiration. This permit will expire on: **April 30, 2018**

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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)	Gallons	BOD ₅ (lbs)
1				Headworks				Headworks	99006			99,006	0
2				Headworks				Headworks	143640			143,640	0
3				Headworks				Headworks					
4				Headworks				Headworks					
5				Headworks				Headworks	107400			107,400	0
6				Headworks				Headworks	120226			120,226	0
7				Headworks				Headworks	130260			130,260	0
8				Headworks				Headworks	104950			104,950	0
9				Headworks				Headworks	112800			112,800	0
10				Headworks				Headworks	6500			6,500	0
11				Headworks				Headworks					
12				Headworks				Headworks	110700			110,700	0
13				Headworks				Headworks	144300			144,300	0
14				Headworks				Headworks	142900			142,900	0
15				Headworks				Headworks	128662			128,662	0
16				Headworks				Headworks	125453			125,453	0
17				Headworks				Headworks					
18				Headworks				Headworks					
19				Headworks				Headworks	123771			123,771	0
20				Headworks				Headworks	109950			109,950	0
21				Headworks				Headworks	155562			155,562	0
22				Headworks				Headworks					
23				Headworks				Headworks	85600			85,600	0
24				Headworks				Headworks					
25				Headworks				Headworks					
26				Headworks				Headworks	151800			151,800	0
27				Headworks				Headworks	101970			101,970	0
28				Headworks				Headworks	107800			107,800	0
29				Headworks				Headworks	159171			159,171	0
30				Headworks				Headworks	120702			120,702	0
31				Headworks				Headworks					
Avg									118,620			2,593,123	

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Prepared By: Michael DiSantis License No.: T0403
 Title: Dir. Operations and Maintenance Date: 12/28/2018

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-EP-AP-IMP-300-415 3/2012

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

County: Delaware

Month: 11 (select number)
Year: 2018
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		Fecal Coliform	pH	CBOD5		CBOD20		TSS		YSS	TDS	Oil and Grease		TRC	NH3-N	NO2-N	TKN	Total Copper	Total Lead	
			MGD	MGD			mg/L	%	mg/L	%	mg/L	mg/L			mg/L	mg/L							mg/L
1	Thu	11/17/18	30.43	10.8	108	6.81	6	1	1	8.6	97.35	355	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
1	Fri	11/17/18	33.11	11.0	110	6.93	4	1	1	8.2	97.44	355	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
1	Sat	11/17/18	49.32	42.8	428	6.85	7	1	1	9.9	93.26	331	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
1	Sun	11/17/18	30.95	5.2	52	6.53	7	1	1	9.9	93.26	331	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
1	Mon	11/19/18	47.29	48.7	487	6.43	25	1	1	13.16	95.30	391	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
1	Tue	11/19/18	57.77	53.5	535	6.37	21	1	1	15.3	95.20	395	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
1	Wed	11/19/18	48.96	20.9	209	6.57	12	1	1	12.6	95.20	459	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
1	Thu	11/19/18	48.34	44.6	446	6.82	10	1	1	9.5	96.00	459	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
1	Fri	11/19/18	45.66	60.1	601	6.75	9	1	1	14.0	96.00	459	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
1	Sat	11/19/18	45.66	60.1	601	6.75	9	1	1	14.0	96.00	459	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
1	Sun	11/19/18	45.66	60.1	601	6.75	9	1	1	14.0	96.00	459	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
2	Mon	11/20/18	42.61	23.8	238	6.68	5	1	1	13.9	98.87	447	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
2	Tue	11/20/18	57.89	1203.3	1203.3	6.47	16	1	1	6.5	95.57	447	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
2	Wed	11/20/18	48.73	172.5	172.5	6.73	8	1	1	26.0	91.60	449	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
2	Thu	11/20/18	51.35	187.2	187.2	6.61	8	1	1	19.2	94.31	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Fri	11/20/18	76.40	1866.3	1866.3	6.48	14	1	1	25.3	95.29	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Sat	11/20/18	52.39	290.9	290.9	6.57	7	1	1	15.9	89.43	433	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
2	Sun	11/20/18	44.05	36.4	364	6.64	6	1	1	9.5	90.52	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Mon	11/20/18	40.66	18.3	183	6.48	6	1	1	12	95.81	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Tue	11/20/18	40.66	17.3	173	6.48	6	1	1	12	97.02	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Wed	11/20/18	38.67	8.4	84	6.85	2	1	1	8.1	97.02	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Thu	11/20/18	35.01	3.0	30	6.91	2	1	1	8.0	94.70	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Fri	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Sat	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Sun	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Mon	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Tue	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Wed	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Thu	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Fri	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Sat	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
2	Sun	11/20/18	35.99	8.6	86	6.92	2	1	1	10.4	97.01	484	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
3	Mon	11/26/18	65.33	2.0	20	6.62	9	1	1	23.1	78.41	281	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
3	Tue	11/26/18	60.47	8.5	85	6.51	7	1	1	17.8	93.69	459	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
3	Wed	11/26/18	58.48	8.5	85	6.52	9	1	1	18	92.16	451	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
3	Thu	11/26/18	49.06	9.6	96	6.62	9	1	1	15	95.54	513	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
3	Fri	11/26/18	43.61	22.8	228	6.55	8	1	1	11.9	95.63	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
3	Sat	11/26/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Mon	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Tue	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Wed	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Thu	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Fri	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Sat	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
4	Sun	12/3/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	Mon	12/10/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	Tue	12/10/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	Wed	12/10/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	Thu	12/10/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54	524	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
5	Fri	12/10/18	42.29	11.3	113	6.55	8	1	1	11.3	95.54												



**CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT**

Facility Name: Delaware County Regional Water Quality Control Authority Month: November Year: 2018
 Municipality: City of Chester County: Delaware NPDES Permit No.: PA0027103
 Watershed: 3G 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 & Tighman	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: 12/7/2018



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

January 28, 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 December, 2018. During the reporting period the WRTP's effluent exceeded the maximum weekly average loading limitations for TSS and cBOD₅.

Parameter averages for December, 2018 were: Flow – 43.39 MGD; cBOD₅ – 12 mg/l; TSS – 21 mg/L; cBOD₂₀ % removal – 90.83%; and cBOD₂₀ loading – 9,255 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

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

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, January 28, 2019 8:43 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: 12/01/2018-12/31/2018
Report Due Date: 01/28/2019

Submitted By: Michael DiSantis
Submission Id: 133697
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.



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 899, CHESTER PA, 19016-0999
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1823
STAGE: Final Effluent

PA0027103
PERMIT NUMBER

001
CUT-FALL NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
2018	12	01	2018	12	31

FROM TO

Reporting Frequency: Monthly
DMR Effective From: 12/01/2018
DMR Effective To: 12/31/2018
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	UNITS	VALUE	UNITS		
pH (00400)	6.44	---	7.03	S.U.	1/day	Grab
Total Suspended Solids (00530)	8950	lbs/day	45.0	mg/L	1/day	Grab
Oil and Grease (00550)	11000	lbs/day	45.0	mg/L	1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	4.83	---	8.0	mg/L	1/day	Grab
Nitrite as N (00615)	1.02	---	1.02	mg/L	1week	24-Hr Composite
Nitrate as N (00620)	4.53	---	6.95	mg/L	1week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	11.46	---	11.46	mg/L	1week	24-Hr Composite
Cyanide, Total (00720)	<0.02	---	<0.02	mg/L	1month	24-Hr Composite
Chlorobromomethane (34300)	<0.01	---	<0.01	mg/L	1month	Grab
Caesium, Total (01027)	0.0026	---	0.0026	mg/L	1month	24-Hr Composite
Copper, Total (01042)	0.0095	---	0.0095	mg/L	1month	24-Hr Composite
Lead, Total (01051)	0.013	---	0.013	mg/L	1month	24-Hr Composite
Zinc, Total (01052)	0.035	---	0.035	mg/L	1month	24-Hr Composite
Dichloromethane (32101)	0.019	---	0.019	mg/L	1month	Grab
Flow (50200)	69.26	MGD	---	---	Continuous	Measured
Total Residual Chlorine (TRC) (50380)	<5	---	94	mg/L	1/day	Grab



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

Sample Measurement	Permit Requirement	553 Monitor & Report Avg Mo	702 Monitor & Report Daily Max	mg/L	5week 2month	24-Hr Composite 24-Hr Composite
Total Dissolved Solids (70265)	***	***	***			
Fecal Coliform (74055)	***	>14	148.3	No./100 ml	1day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOC5) (80082)	5050	200 Geo Mean	1000 MVA		1day	Grab
	7030 Avg Mo	120	220		1day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	9255 Avg Mo	19.0 Avg Mo	29.0 Wky Avg	mg/L	1day	24-Hr Composite
	10500 Avg Mo	***	***	***	3week	24-Hr Composite
	10500 Avg Mo	***	***	***	1week	24-Hr Composite
Facility Comments						



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

NAME: DELCORA
 ADDRESS: 109 EAST FIFTH STREET P.O. BOX 899, CHESTER PA, 19016-0999
 FACILITY: DELCORA STP
 LOCATION: 3201 W. FRONT ST., CHESTER PA, 19013-1829
 STAGE: Percent Removal

PA09327103
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2018
 DMR Effective To: 12/31/2018
 Permit Expires: 04/30/2018
 Permit Application Due: 11/01/2017
 No Discharge:

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2018	12	01	2018	12	31

FROM

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY		SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS	3 Week	1 Week	
BOD, carbonaceous, 20 day, 20 C (80007)	***	***	90.83	***	***	***	24-Hr Composite
Sample Measurement	***	***	90.83	***	***	***	24-Hr Composite
Permit Requirement	***	***	88.25	Min. No Avg	***	***	***
Facility Comments							



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET P.O. BOX 989, CHESTER PA, 19016-0989
FACILITY: DELCORA STP
LOCATION: 3201 W FRONT ST, CHESTER PA, 19013-1829
STAGE: Raw Sewage Influent

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 12/01/2018
DMR Effective To: 12/31/2018
Permit Expires: 04/30/2018
Permit Application Due: 11/01/2017
No Discharge:

MONITORING PERIOD			
YEAR	MO	DAY	TO
2018	12	01	31

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	75790	lbs/day	203.75	mg/L	2/week	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/week	24-Hr Composite
Total Suspended Solids (TSS30)	74354	lbs/day	152.77	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite
Carbonaceous Biotchemical Oxygen Demand (CBOD5) (80082)	68132	lbs/day	182.19	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite
Facility Comments						



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
Sewage Sludge Biosolids Production and Disposal Form_12-2018.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-01-25T14:25:19-05:00	
DMR Laboratory Accreditation-WRTP-12-2018.doc	Laboratory Accreditation Form	2019-01-25T14:24:59-05:00	
CBC020_12-20-18.pdf	Laboratory Analytical Report	2019-01-25T14:17:41-05:00	
EFF_AUS_12-24-18.pdf	Laboratory Analytical Report	2019-01-25T14:16:49-05:00	
WRTP_Effluent_12-2018.xlsx	Laboratory Analytical Report	2019-01-25T14:19:59-05:00	
Daily Influent Monitoring Form-12-2018.xlsx	Daily Effluent Monitoring Form	2019-01-25T14:21:12-05:00	
Failed In Residential Wastew_12-2018.xls	Hauled-In Residential Wastes Form	2019-01-25T14:22:12-05:00	Daily Influent Monitoring Form-12-2018
Hauled In Residential Wastes_12-2018.xls	Hauled-In Residential Wastes Form	2019-01-25T14:22:57-05:00	
DMR Laboratory Accreditation-MUR-12-2018.doc	Laboratory Accreditation Form	2019-01-25T14:14:09-05:00	
CBC020_12-4-18.pdf	Laboratory Analytical Report	2019-01-25T14:16:46-05:00	
CBC020_12-5-18.pdf	Laboratory Analytical Report	2019-01-25T14:15:18-05:00	
CBC020_12-10-18.pdf	Laboratory Analytical Report	2019-01-25T14:15:54-05:00	
CBC020_12-11-18.pdf	Laboratory Analytical Report	2019-01-25T14:15:18-05:00	
CBC020_12-19-18.pdf	Laboratory Analytical Report	2019-01-25T14:15:29-05:00	
CBC020_12-19-18.pdf	Laboratory Analytical Report	2019-01-25T14:16:51-05:00	
DRBC_MUR_12-10-18.pdf	Laboratory Analytical Report	2019-01-25T14:19:32-05:00	
Trucked Waste_12-2018.xlsx	Other	2019-01-25T14:23:29-05:00	Trucked Waste_12-2018
December 2018 SWMM Report.xlsx	CSD Detailed Outfall Report Form	2019-01-25T14:26:06-05:00	
CBC020_12-17-18.pdf	Laboratory Analytical Report	2019-01-25T14:18:05-05:00	
DRBC_MUR_10-3-18.pdf	Laboratory Analytical Report	2019-01-25T14:19:12-05:00	
WRTP_Sludge_12-2018.pdf	Laboratory Analytical Report	2019-01-25T14:25:37-05:00	
DRBC_MUR_12-29-18.pdf	Laboratory Analytical Report	2019-01-25T14:19:16-05:00	
Influent and Process Control_12-2018.xls	Influent and Process Control Form	2019-01-25T14:23:29-05:00	
WRTP_Process_12-2018.pdf	Laboratory Analytical Report	2019-01-25T14:13:41-05:00	
CBC020_12-3-18.pdf	Laboratory Analytical Report	2019-01-25T14:18:52-05:00	
DRBC_MUR_12-17-18.pdf	Laboratory Analytical Report	2019-01-25T14:20:18-05:00	
WRTP_Influent_12-2018.pdf	Laboratory Analytical Report	2019-01-25T14:20:18-05:00	
Daily Effluent Monitoring Form-12-2018.xlsx	Daily Effluent Monitoring Form	2019-01-25T14:20:20-05:00	
CBC020_12-12-18.pdf	Laboratory Analytical Report	2019-01-25T14:15:46-05:00	
CBC020_12-28-18.pdf	Laboratory Analytical Report	2019-01-25T14:17:19-05:00	
DMR-PRF Calc_12-2018.xlsx	Other	2019-01-25T14:21:46-05:00	DMR-PRF Calc_12-2018
DMR Laboratory Accreditation-LS-12-2018.doc	Laboratory Accreditation Form	2019-01-25T14:24:15-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Case Of Non-Compliance	Corrective Action	Comments
80688	12/01/2018	12/31/2018	Total Suspended Solids	Weekly Average	22239	16500	lb/day	Final Effluent (001)	Hydraulic flow exceeding plant or unit design	See attached comments	High flow procedures were all in place at the time of the incident.
80689	12/01/2018	12/31/2018	Carbonaceous Biochemical Oxygen Demand (CBOD5)	Weekly Average	10976	10500	lb/day	Final Effluent (001)	Hydraulic flow exceeding plant or unit design	See attached comments	High flow procedures were all in place at the time of the incident.

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
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Michael J. Disantis	TU403	(610)476-0525

SUBMISSION INFORMATION



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 60, 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 Dizaritis	TELEPHONE		DATE		
disantism		(610)	876-5523	2019	1	28	
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	12	01	TO	18	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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 01/28/19

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.



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DEL CORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	11	01	TO	18	11	30
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²				
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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 01/28/19

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				18	12	01	TO	18	12	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 01/28/2019

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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SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: December Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	Influent					Process Control			
	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	44.41			175	64,816	4715.00	1.46	546000.00	
2	59.05			157	77,319	3410.00	2.75	612000.00	
3	50.85	301	127,651	302	128,075	3475.00	1.80	486000.00	
4	41.47			502	173,622	3960.00	1.44	360000.00	
5	44.23	132.99	49,058	109.07	40,232	4255.00	1.49	542000.00	
6	43.58			314.56	114,329	4390.00	1.27	575000.00	
7	41.26			190.31	65,489	3895.00	0.99	573000.00	
8	39.84			113.27	37,635	3750.00	1.27	570000.00	
9	39.44	77.87	25,613	86.34	28,401	4275.00	2.22	574000.00	
10	39.92			187.21	62,330	4140.00	1.52	492000.00	
11	38.99			101.13	32,884	4025.00	1.26	647000.00	
12	38.07	366.14	116,251	195.02	61,920	4040.00	0.99	647000.00	
13	37.83			132.10	41,678	4585.00	1.20	581000.00	
14	37.46			341.54	106,702	4585.00	1.26	419000.00	
15	45.78			160.00	61,089	4880.00	1.30	523000.00	
16	55.95	49.50	27,229	76.56	42,107	3435.00	3.91	670000.00	
17	52.06			64.93	28,190	3635.00	2.26	717000.00	
18	46.52			162.61	63,090	4000.00	1.90	603000.00	
19	45.04	315.61	118,552	366.28	137,586	4215.00	1.65	643000.00	
20	44.50			293.67	108,991	4250.00	1.37	658000.00	
21	70.46			306.00	179,817	2790.00	2.69	468000.00	
22	47.60			92.86	36,865	3415.00	2.60	431000.00	
23	41.73	85.55	29,774	54.67	19,027	4000.00	4.04	198000.00	
24	37.07			281.02	86,882	3710.00	2.97	572000.00	
25	36.50			51.41	15,650	3815.00	4.14	575000.00	
26	37.81	247.92	78,178	223.18	70,377	3385.00	2.45	590000.00	
27	37.28			247.30	76,889	3250.00	1.32	609000.00	
28	74.62			260.67	162,226	3245.00	2.00	597000.00	
29	52.44			110.00	48,108	3600.00	2.20	608000.00	
30	46.43			80.31	31,099	3530.00	3.99	627000.00	
31	51.18	257.25	109,807	237.88	101,538	3335.00	2.78	566000.00	
Avg	46.109	204	75,790	193	74,354	3,870	2	557,387	
Max	74.62	366	127,651	502	179,817	4,880	4	717,000	

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: Michael DiSantis License No.: T0403
 Title: Dir. Of Operations and Maintenance Date: 1/28/2019



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: December Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify): <u>Holding Tank</u>			DAILY TOTALS		
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)	
1	12268						40587			Headworks	52,855	0
2										Headworks		
3	59598			86099			101683			Headworks	247,380	0
4	47800			124546			116150			Headworks	288,496	0
5	40670			113322			64975			Headworks	218,967	0
6	30000			166999			104594			Headworks	301,593	0
7	19800			103161			118150			Headworks	241,111	0
8	4200						86695			Headworks	90,895	0
9										Headworks		
10	40810			105200			74480			Headworks	220,490	0
11	42100			90160			119500			Headworks	251,760	0
12	42179			109440			102000			Headworks	253,619	0
13	62400			111000			71200			Headworks	244,600	0
14	49550			95670			85350			Headworks	230,570	0
15	8500						35286			Headworks	43,786	0
16										Headworks		
17	42050			96204			102050			Headworks	240,304	0
18	31850			67581			83250			Headworks	182,681	0
19	46553			76104			84957			Headworks	207,614	0
20	44110			107059			76300			Headworks	227,469	0
21	62850			54823			102465			Headworks	220,138	0
22	15750						99098			Headworks	114,848	0
23										Headworks		
24	50800			80163			70676			Headworks	201,639	0
25										Headworks		
26	37650			97414			71730			Headworks	206,794	0
27	50817			175807			125350			Headworks	351,974	0
28	45350			53900			104570			Headworks	203,820	0
29	12160						46342			Headworks	58,502	0
30	35700			73559			131350			Headworks	240,609	0
31										Headworks		
Avg	37,934			99,411			89,120			Monthly Totals:	5,142,514	

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Prepared By: Headworks License No.: T0403
 Title: Dir. Operations and Maintenance Date: 1/28/2019



SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

Facility Name: DELCORA STP County: Delaware Month: December Year: 2018
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3G Renewal application due 180 days prior to expiration.
 This permit will expire on: April 30, 2018

Day	SEPTAGE			SLUDGE			OTHER (specify): Package Plant			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 (lbs)	
1				Headworks				Headworks	6,500	0	
2				Headworks				Headworks			
3				Headworks				Headworks	93,271	0	
4				Headworks				Headworks	188,820	0	
5				Headworks				Headworks	100,500	0	
6				Headworks				Headworks	163,321	0	
7				Headworks				Headworks	133,862	0	
8				Headworks				Headworks	24,514	0	
9				Headworks				Headworks			
10				Headworks				Headworks	89,350	0	
11				Headworks				Headworks	134,170	0	
12				Headworks				Headworks	157,300	0	
13				Headworks				Headworks	144,728	0	
14				Headworks				Headworks	169,489	0	
15				Headworks				Headworks	9,500	0	
16				Headworks				Headworks			
17				Headworks				Headworks	137,500	0	
18				Headworks				Headworks	148,609	0	
19				Headworks				Headworks	147,000	0	
20				Headworks				Headworks	209,357	0	
21				Headworks				Headworks	162,100	0	
22				Headworks				Headworks	28,600	0	
23				Headworks				Headworks			
24				Headworks				Headworks	86,000	0	
25				Headworks				Headworks			
26				Headworks				Headworks	146,738	0	
27				Headworks				Headworks	85,236	0	
28				Headworks				Headworks	187,804	0	
29				Headworks				Headworks			
30				Headworks				Headworks			
31				Headworks				Headworks	113,500	0	
Avg					119,490			Monthly Totals:	2,867,769	0	

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 License No.: T0403
 Title: Dir. Operations and Maintenance Date: 1/28/2019



**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: 2018
 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: 1/16/2019

Cummings, Meghan

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, February 28, 2019 5:50 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: 01/01/2019-01/31/2019
Report Due Date: 02/28/2019

Submitted By: Michael DiSantis
Submission Id: 138990
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

February 28, 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 January, 2019. During the reporting period the WRTP's effluent exceeded the maximum monthly average loading limitation for cBOD₂₀.

Parameter averages for January, 2019 were: Flow – 43.95 MGD; cBOD₅ – 10 mg/l; TSS – 15 mg/L; cBOD₂₀ % removal – 93.25 %; and cBOD₂₀ loading – 11664 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



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

NAME: DELCORA
ADDRESS: 100 EAST FIFTH STREET-P.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 01 01 TO 2019 01 31

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

PARAMETERS REPORTED VALUES

PARAMETER	Sample Measurement Permit Requirement	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	UNITS	VALUE	UNITS		
pH (0040)	Sample Measurement	6.38	Inst Min	6.85	S.U.	1/day	Grab
	Permit Requirement	***	***	8.0	IMAX	1/day	Grab
Total Suspended Solids (0030)	Sample Measurement	5720	9978	21.0	mg/L	1/day	24-Hr Composite
	Permit Requirement	11000	16500	45.0	Wkly Avg	1/day	24-Hr Composite
Oil and Grease (0056)	Sample Measurement	<1837	***	<5.0	mg/L	1/day	Grab
	Permit Requirement	6510	***	30.0	IMAX	1/day	Grab
Ammonia-Nitrogen (0061)	Sample Measurement	3886	***	10.78	mg/L	1/week	24-Hr Composite
	Permit Requirement	28770	***	89.0	***	2/month	24-Hr Composite
Nitrite as N (0061a)	Sample Measurement	***	***	1.118	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	2/month	24-Hr Composite
Nitrate as N (0062)	Sample Measurement	***	***	3.99	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	2/month	24-Hr Composite
Total Kjeldahl Nitrogen (0062a)	Sample Measurement	***	***	13.11	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	2/month	24-Hr Composite
Cyanide, Total (0072)	Sample Measurement	***	***	.013	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	24-Hr Composite
Chlorobromomethane (0400)	Sample Measurement	***	***	.0023	mg/L	1/month	Grab
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	Grab
Cadmium, Total (01027)	Sample Measurement	***	***	<.0002	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	24-Hr Composite
Copper, Total (01042)	Sample Measurement	***	***	.0271	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	<.001	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	24-Hr Composite
Zinc, Total (01062)	Sample Measurement	***	***	.038	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	24-Hr Composite
Dichlorobromomethane (02101)	Sample Measurement	***	***	.0027	mg/L	1/month	Grab
	Permit Requirement	***	***	Monitor & Report	Monitor & Report	1/month	Grab
Flow (0005)	Sample Measurement	43.55	71.49	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report	Monitor & Report	***	***	Continuous	Measured
Total Residual Chlorine (TRC) (0006)	Sample Measurement	***	***	4	mg/L	1/day	Grab
	Permit Requirement	***	***	5	IMAX	1/day	Grab



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

PA0027103
PERMIT NUMBER

001
OUTFALL NUMBER

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

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

PARAMETERS REPORTED VALUES

PARAMETER	QUANTITY OR LOADING		QUANTITY OR CONCENTRATION		SAMPLING FREQUENCY	SAMPLING TYPE
	VALUE	UNITS	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	132748	lbs/day	387	mg/L	1/week	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/week	24-Hr Composite
Total Suspended Solids (00530)	107224	lbs/day	278	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	103685	lbs/day	273	mg/L	1/day	24-Hr Composite
	Monitor & Report Avg Mo		Monitor & Report Avg Mo		1/day	24-Hr Composite

Facility Sampling Point Comments



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
CB0020_1-23-19.pdf	Laboratory Analytical Report	2019-02-28T11:28:56-05:00	
CB0020_1-23-19.pdf	Laboratory Analytical Report	2019-02-28T11:29:21-05:00	
DMR Laboratory Accreditation-ALS-01-2019.doc	Laboratory Accreditation Form	2019-02-28T11:48:19-05:00	
DMR Laboratory Accreditation-MUR-01-2019.doc	Laboratory Accreditation Form	2019-02-28T11:48:38-05:00	
CB0020_1-21-19.pdf	Laboratory Analytical Report	2019-02-28T11:28:03-05:00	
Hauled In Municipal Waste, 01-2019.xls	Hauled-In Municipal Waste Form	2019-02-28T11:35:09-05:00	
VRTP_Influent_01-2019.pdf	Laboratory Analytical Report	2019-02-28T11:33:39-05:00	
Hauled In Residual Waste, 01-2019.xls	Hauled-In Residual Waste Form	2019-02-28T11:47:12-05:00	
CB0020_1-16-19.pdf	Laboratory Analytical Report	2019-02-28T11:27:38-05:00	
CB0020_1-22-19.pdf	Laboratory Analytical Report	2019-02-28T11:28:25-05:00	
CB0020_1-23-19.pdf	Laboratory Analytical Report	2019-02-28T11:25:17-05:00	
CB0020_1-14-18.pdf	Laboratory Analytical Report	2019-02-28T11:49:00-05:00	
DMR Laboratory Accreditation-WRTP-01-2019.doc	Laboratory Accreditation Form	2019-02-28T11:52:03-05:00	
January 2019 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2019-02-28T11:29:03-05:00	
Daily Effluent Monitoring Form-01-2019.xlsx	Daily Effluent Monitoring Form	2019-02-28T12:41:34-05:00	
Daily Influent Monitoring Form-01-2019.xlsx	Daily Influent Monitoring Form	2019-02-28T11:31:13-05:00	Daily Influent Monitoring Form-01-2019
DRBC_1-7-19.pdf	Laboratory Analytical Report	2019-02-28T11:31:31-05:00	
DRBC_1-14-19.pdf	Laboratory Analytical Report	2019-02-28T11:32:52-05:00	
EEF_1-3-19.pdf	Laboratory Analytical Report	2019-02-28T11:31:31-05:00	
VRTP_Effluent_01-2019.pdf	Laboratory Analytical Report	2019-02-28T11:30:52-05:00	
Influent and Process Control_01-2019.xls	Influent and Process Control Form	2019-02-28T11:47:45-05:00	
Sewage Sludge Biosolids Production and Disposal Form_01-2019.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-02-28T11:50:50-05:00	
VRTP_Sludge_01-2019.pdf	Laboratory Analytical Report	2019-02-28T11:51:32-05:00	
Trucked Waste_01-2019.xls	Other	2019-02-28T11:52:32-05:00	Trucked Waste_01-2019
CB0020_1-15-19.pdf	Laboratory Analytical Report	2019-02-28T11:27:19-05:00	
DMR Cover Letter Jan 2019.doc	Cover Letter	2019-02-28T11:48:27-05:00	
CB0020_1-1-19.pdf	Laboratory Analytical Report	2019-02-28T11:29:03-05:00	
CB0020_1-2-19.pdf	Laboratory Analytical Report	2019-02-28T11:29:26-05:00	
CB0020_1-2-19.pdf	Laboratory Analytical Report	2019-02-28T11:28:46-05:00	
CB0020_1-9-19.pdf	Laboratory Analytical Report	2019-02-28T11:24:34-05:00	
CB0020_1-9-19.pdf	Laboratory Analytical Report	2019-02-28T11:24:55-05:00	
CB0020_1-7-19.pdf	Laboratory Analytical Report	2019-02-28T11:24:07-05:00	
DRBC_1-21-19.pdf	Laboratory Analytical Report	2019-02-28T11:31:54-05:00	
DRBC_1-29-19.pdf	Laboratory Analytical Report	2019-02-28T11:32:12-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Or Non-Compliance	Corrective Action	Comments
63158	01/01/2019	01/31/2018	BOD, carbonaceous, 20 day, 20 C	Average Monthly	11664	10000	lb/day	Final Effluent (001)			

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	Comments
											Orally	

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)-878-5523

SUBMISSION INFORMATION



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 (610) 876-5523		DATE 2019 2 28	
disantism				SUBMITTED BY FULL NAME	AREA CODE NUMBER	YEAR MO DAY		



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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>DELCORA</u>										
Address: <u>P.O. Box 999</u>										
<u>Chester, PA 19016</u>										
<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				19	01	01	TO	19	01	31
PARAMETER		ANALYSIS METHOD		LAB NAME		LAB ID NUMBER²				
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				
Dichlorobromomethane		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 possibility of fine and imprisonment for knowing violations.

Name/Title Principal Executive Officer

Phone: 610.876.5523Signature of Principal Executive Officer or
Authorized AgentMichael J. DiSantisDate: 02/28/19

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.



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<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				19	01	01	TO	19	01	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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			
Dichlorobromomethane		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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Name/Title Principal Executive Officer

Phone: 610.876.5523

**Signature of Principal Executive Officer or
Authorized Agent**

Michael J. DiSantis

Date: 02/28/19

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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<u>19016</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0027103				19	01	01	TO	19	01	31
PARAMETER		ANALYSIS METHOD		LAB NAME			LAB ID NUMBER²			
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		Collert 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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SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: DELCORA WRTP County: Delaware Month: January Year: 2019
 Municipality: City of Chester NPDES Permit No.: PA0027103
 Watershed: 3-G Renewal application due **180 days** prior to expiration. This permit will expire on: April 30, 2018

Day	Influent				Process Control			
	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	53.36			96	42,722	3010.00	4.64	530000.00
2	46.85	296	115,656	330	89,868	2860.00	2.60	595000.00
3	40.72			253	119,880	2720.00	2.04	574000.00
4	41.14			615	211,011	3010.00	2.39	575000.00
5	48.08			327	131,123	3155.00	2.73	589000.00
6	41.96			108	37,794	3690.00	5.67	615000.00
7	41.87	597	208,470	418	145,964	2710.00	3.01	575000.00
8	45.04			322	120,954	2945.00	2.05	576000.00
9	45.26	600	226,481	472	178,165	3040.00	2.12	577000.00
10	43.48			236	85,579	3190.00	2.36	589000.00
11	41.56			350	121,314	3650.00	2.25	584000.00
12	41.37			193	66,590	3620.00	2.10	625000.00
13	42.35	159	56,159	158	55,805	3610.00	3.95	647000.00
14	42.72			248	88,359	3535.00	1.89	616000.00
15	42.00			358	125,400	3515.00	1.53	666000.00
16	40.96	402	137,326	390	133,226	3670.00	1.74	687000.00
17	40.06			345	115,265	3990.00	1.66	710000.00
18	40.68			418	141,815	4345.00	1.88	713000.00
19	43.89			252	92,243	4775.00	2.26	509000.00
20	73.61	105	64,460	192	117,870	3185.00	6.06	549000.00
21	51.17			123	52,491	3005.00	3.11	543000.00
22	45.57			235	89,313	3835.00	2.35	571000.00
23	43.38	422	152,675	332	120,114	3430.00	2.33	480000.00
24	74.29			263	162,949	3455.00	1.13	646000.00
25	59.90			272	135,882	3115.00	2.08	664000.00
26	52.53			190	83,239	3545.00	2.06	647000.00
27	48.21	110	44,228	105	42,217	3290.00	4.08	647000.00
28	47.79			235	93,664	3485.00	2.07	544000.00
29	51.05			378	160,936	3790.00	1.87	621000.00
30	44.35	609	225,256	314	116,142	3545.00	2.44	591000.00
31	43.15			128	46,063	3735.00	2.39	668000.00
Avg	47.044	367	136,746	279	107,224	3,434	3	603,968
Max	74.29	609	226,481	615	211,011	4,775	6	713,000

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 Maintenance Date: 2/28/2019