pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: **November** Year: **2015**
NPDES Permit No.: **PA0027103 A3**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	27.98			224	52,271	3440.00	2.18	233330		
2	27.76			284	65,751	3275.00	0.80	251910		
3	27.07			297	67,052	4410.00	0.30	177990		
4	27.27	298	67,775	316	71,868	3800.00	0.40	223600		
5	27.41			389	88,925	3090.00	0.46	251470		
6	25.88			321	69,284	3640.00	0.75	212980		
7	22.69			293	55,446	3770.00	1.36			
8	25.74			190	40,788	3445.00	1.81	38060		
9	24.58			366	75,029	3260.00	1.36	197940		
10	31.78			276	73,152	3315.00	1.03	244560		
11	26.42	342	75,357	264	58,170	3710.00	1.23	225290		
12	26.52			244	53,967	4275.00	1.61	220560		
13	27.11			281	63,533	3805.00	1.19	240170		
14	23.92			260	51,868	3950.00	2.06	241120		
15	24.43			123	25,061	3935.00	1.47	37130		
16	27.90			340	79,113	3935.00	0.98	159640		
17	28.19			224	52,663	4000.00	0.94	200840		
18	25.15	364	76,349	452	94,807	4135.00	1.02	199210		
19	37.46			532	166,206	4435.00	1.22	227970		
20	30.81			423	108,692	4470.00	1.38	0		
21	26.25			250	54,731	4930.00	2.01	0		
22	25.67			177	37,894	3540.00	2.46	237360		
23	26.75			307	68,490	2880.00	1.79	228540		
24	27.89			300	69,781	3480.00	1.67	268180		
25	27.47	392	89,807	317	72,625	3675.00	2.07	214360		
26	27.27			240	54,584	3720.00	2.69	237740		
27	26.85			370	82,854	3545.00	1.48	236890		
28	26.49			251	55,453	3565.00	1.96	241700		
29	28.08			220	51,521	3065.00	2.00	255550		
30	27.20			363	82 346	2840.00	1.71	248080		
31										
Avg	**27.2**	**349**	**77,322**	**296**	**68,131**	**3,711**	**1**	**198,351**		
Max	**37.46**	**392**	**89,807**	**532**	**166,206**	**4,930**	**3**	**268,180**		

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

Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **12/28/2015**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: November Year: 2015
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Domestic Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1				Headworks				Sludge Thickening				Headworks		
2				Headworks				Sludge Thickening	68350			Headworks	68,350	0
3				Headworks				Sludge Thickening	47850			Headworks	47,850	0
4				Headworks				Sludge Thickening	100400			Headworks	100,400	0
5				Headworks				Sludge Thickening	63750			Headworks	63,750	0
6				Headworks				Sludge Thickening	49200			Headworks	49,200	0
7				Headworks				Sludge Thickening	42500			Headworks	42,500	0
8				Headworks				Sludge Thickening				Headworks		
9				Headworks				Sludge Thickening	38450			Headworks	38,450	0
10				Headworks				Sludge Thickening	70650			Headworks	70,650	0
11				Headworks				Sludge Thickening	55213			Headworks	55,213	0
12				Headworks				Sludge Thickening	74800			Headworks	74,800	0
13				Headworks				Sludge Thickening	70100			Headworks	70,100	0
14				Headworks				Sludge Thickening	33400			Headworks	33,400	0
15				Headworks				Sludge Thickening				Headworks		
16				Headworks				Sludge Thickening	79300			Headworks	79,300	0
17				Headworks				Sludge Thickening	74880			Headworks	74,880	0
18				Headworks				Sludge Thickening	59970			Headworks	59,970	0
19				Headworks				Sludge Thickening	63137			Headworks	63,137	0
20				Headworks				Sludge Thickening	48000			Headworks	48,000	0
21				Headworks				Sludge Thickening	24000			Headworks	24,000	0
22				Headworks				Sludge Thickening				Headworks		
23				Headworks				Sludge Thickening	56900			Headworks	56,900	0
24				Headworks				Sludge Thickening	44050			Headworks	44,050	0
25				Headworks				Sludge Thickening	66560			Headworks	66,560	0
26				Headworks				Sludge Thickening				Headworks		
27				Headworks				Sludge Thickening	49360			Headworks	49,360	0
28				Headworks				Sludge Thickening	35125			Headworks	35,125	0
29				Headworks				Sludge Thickening				Headworks		
30				Headworks				Sludge Thickening	73850			Headworks	73,850	0
31				Headworks				Sludge Thickening				Headworks		
Avg									57,908			Monthly Totals:	1,389,795	

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 Maintenace Date: 12/28/2015

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **November** Year: **2015**
NPDES Permit No.: **PA0027103 A3**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	2,127,437			Industrial Wastewater			Production Water	
	378,467			Form U Residual Waste				
	1,547,520			Grease				
	4,634,653			Landfill Leachate				
	1,834,978			Food Processing Wastewater				
Total:	10,523,055							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **12/28/2015**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPW0436 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 11 (select number) Year: 2015
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Parameter		Flow		TSS		BOD5		CBOD5																																	
		Stage	1		RI		RI																																			
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Sun	11/1/15	27.98		224				194																																	
	Mon	11/2/15	27.78		234				234																																	
	Tue	11/3/15	27.07		297				400																																	
	Wed	11/4/15	27.27		316		298		272																																	
	Thu	11/5/15	27.41		308				416																																	
	Fri	11/6/15	25.88		321				380																																	
	Sat	11/7/15	22.09		283				181																																	
2	Sun	11/8/15	25.74		190				128																																	
	Mon	11/9/15	24.98		308				292																																	
	Tue	11/10/15	31.78		278				232																																	
	Wed	11/11/15	30.42		284		342		361																																	
	Thu	11/12/15	26.52		244				222																																	
	Fri	11/13/15	27.11		281				378																																	
	Sat	11/14/15	23.92		280				174																																	
3	Sun	11/15/15	24.40		123				111																																	
	Mon	11/16/15	27.60		340				302																																	
	Tue	11/17/15	28.19		224				398																																	
	Wed	11/18/15	26.18		452		964		324																																	
	Thu	11/19/15	37.48		252				398																																	
	Fri	11/20/15	30.81		433				477																																	
	Sat	11/21/15	28.25		250				186																																	
4	Sun	11/22/15	25.67		177				134																																	
	Mon	11/23/15	28.75		367				283																																	
	Tue	11/24/15	27.89		300				369																																	
	Wed	11/25/15	27.47		317		362		451																																	
	Thu	11/26/15	27.27		240				185																																	
	Fri	11/27/15	26.66		370				384																																	
	Sat	11/28/15	26.49		251				358																																	
5	Sun	11/29/15	28.96		220				164																																	
	Mon	11/30/15	27.30		360				316																																	
Monthly Summary																																										
Daily Minimum (Conc.):					123		298		111																																	
Daily Maximum (Conc):					452		964		545																																	
Max Avg Weekly (Conc.):					335		342		399																																	
Avg Monthly (Conc.):					298		349		307																																	
Geometric Mean (Conc.):																																										
Max Avg Weekly (Load):			28.8		83809		[illegible]		72860																																	
Avg Monthly (Load):			27.2		68131		77322		[illegible]																																	
Total Monthly (Load):			[illegible]		[illegible]		[illegible]		[illegible]																																	
Daily Minimum (Load):			23.06		[illegible]		41715		[illegible]																																	
Daily Maximum (Load):			32.46		160206		[illegible]		[illegible]																																	

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 12/28/2015

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **November** Year: **2015**
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	No	
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** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **12/14/2015**

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, January 25, 2016 4:34 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 8116 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 8116
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 12/01/2015-12/31/2015
Monitoring Report Due Date : 01/28/2016

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

January 25, 2015

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for December, 2015. All parameters were in compliance during the month.

Parameter averages for December, 2015 were: Flow – 33.89; $cBOD_5$ – 11mg/L; TSS – 13 mg/L; $cBOD_{20}$ % removal – 91.37%; and $cBOD_{20}$ – 5,903 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:smf
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	12/01/2015-12/31/2015	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	**N**
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.45	***	6.97	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	3905	5269	lbs/day	***	13	20	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	<1413	***	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	***	***	***	***	12.19	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.4	<.5	mg/L	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	***	***	***	***	8.76	17.1	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	***	***	***	***	12.2	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.012	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.005	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	<.025	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.015	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	<.05	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	<.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	33.89	56.25	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.65	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	592	712	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	21	41	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3264	4278	lbs/day	***	11	14	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	5903	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	91.37	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	119387	***	lbs/day	***	400	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	80007	***	lbs/day	***	280	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	77152	***	lbs/day	***	275	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Daily Effluent Monitoring Dec 2015.xlsx	Daily Effluent Monitoring Form	2016-01-25T11:15:33-05:00	
Cryptographic Hash Value of File (SHA-512)	0A6A71671EE2DCB78BAFA23A23CDCD5F4BB435170A1225AEACA4015AF3A5D862F782767C3C867C299337CD9B75A319A200C3C1CC2ED0031F32EE4C3320FC693C		
Daily Influent Monitoring Dec 2015.xlsx	Daily Effluent Monitoring Form	2016-01-25T11:16:08-05:00	Daily Influent Monitoring Dec 2015
Cryptographic Hash Value of File (SHA-512)	26F1E5F9AD5112ED0987E1B54A16844E51ACF005D825859EA6E011B3B85485D9F081C3B7D1C1D149ED0E083703CE826B30FEC6E44EF455AAAB3507D204D901D7		
December 2015 SWMM Report.xlsx	Other	2016-01-25T11:17:09-05:00	December 2015 SWMM Report
Cryptographic Hash Value of File (SHA-512)	ECE49562844FA1CA868D734FDBC55CDA11B1AE97F0D7755064B7ABDEA32F9EDA058E54E83270A2BDFD20746D0B5396C7C9C25899B29665E7FF314D2938167FB6		
Influent and Process Control DEC2015.xls	Influent and Process Control Form	2016-01-25T11:18:28-05:00	
Cryptographic Hash Value of File (SHA-512)	230031407E7F68720F3AC03657306E5D29988404944A4580DDE3EE132F7D59A2C364D18F8169AAEB94E246204CA4E3897DDD74363453DE272CBC5726E0F1EF59		
ALS_Biweekly N 2_DEC2015.PDF	Laboratory Analytical Report	2016-01-25T11:20:31-05:00	
Cryptographic Hash Value of File (SHA-512)	FCDC5507A3B7D365941CBE598CA7C868DBBC12C83687EE4F0FF7CE21ADA326C96244C326FCB24222893F72F9134588FA189D8B8BD68E6BC093741B93FCABB38C		
12-31-15 hauled sludge from holding tank.xlsx	Other	2016-01-25T11:15:03-05:00	12-31-15 hauled liquid sludge from holding tank
Cryptographic Hash Value of File (SHA-512)	A0CCBD733CD8FDFBCCD0A20C33BE5CA01B5B3006A9D901A6D291E5EB32F6BBEC2FB4EAE4CBD1685CDDBBF047A46729CC307B092B87C1FC88602FB95006FE3587		
Hauled In Municipal Waste_DEC2015.xls	Hauled-In Municipal Waste Form	2016-01-25T11:17:46-05:00	
Cryptographic Hash Value of File (SHA-512)	49582458DBCDC362BFC09A647B9C46A86F4DA43D749A3835EDACD4ADADA699D85D173D743F42A597251D5EC0959A783C4E28F938FDE2A29C1C85579F9EDF2275		
Hauled In Residual Wastes_DEC2015.xls	Hauled-In Residual Waste Form	2016-01-25T11:18:05-05:00	Hauled In Residual Wastes_DEC2015
Cryptographic Hash Value of File (SHA-512)	94685343E7A066F7DB3D06ECED7776380FB7E62189A69750FCC932A69D2FC97331E6E30B452D949530C738C7B023E92F58113F676878801F5ECA3EFBD18F58C4		
Sludge Production and Disposal_DEC 2015.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-01-25T11:18:52-05:00	
Cryptographic Hash Value of File (SHA-512)	73CFA47A6506C6DFE365473A9A8BB18E43E9658427C65A6735B8B526BDF123B6F74D7A97084051FA49511890256DB0E526A1E8EE830EF196637973867CC836C4		
DMR Laboratory Accreditation-ALS-DEC 2015.doc	Laboratory Accreditation Form	2016-01-25T11:19:19-05:00	
Cryptographic Hash Value of File (SHA-512)	8B2D6032FEB069BD671520E583EFE37B2CBBDDDB0BF07E985166DF38131006FB76CFB1E07366D2053B9E8A0E9297E3BEF3C9668BC4A09522F96CA144A98C6D40		
ALS_Biweekly N 1_DEC2015.PDF	Laboratory Analytical Report	2016-01-25T11:20:08-05:00	
Cryptographic Hash Value of File (SHA-512)	53DB65D72A2A15C819EF8E2FE4DF145AF71D432B86E71A7A063849FD2458AAAA17508957351478404F2540951D02AAB3C6F385C19C22D1DE7A7806F2DF792BA6		
WRTP Lab_Daily Effluent Monitoring Dec 2015.xlsx	Laboratory Analytical Report	2016-01-25T11:21:26-05:00	
Cryptographic Hash Value of File (SHA-512)	16DC5537CE5BEA6E39A2213D6FE9ED1E62BE39BCBAF8AB510164621ED069557CF7D26A600F0DF0767E3B11E0382F1A2DA38017AB8A5A22839A61B8C8C1C928BD		
WRTP Lab_Daily Influent Monitoring Dec 2015.xlsx	Laboratory Analytical Report	2016-01-25T11:21:44-05:00	
Cryptographic Hash Value of File (SHA-512)	FC90A78478B98DB5048DBE9A96DEF121FE61248AAEC1D2B46FAA7F23D5BAC3EA14C4FC0C4C0CC41E0445D918EA0D803322253EDA7F0B5343A9E481AEA5EDF64C		
WRTP Lab_Sludge Production and Disposal_DEC 2015.xlsx	Laboratory Analytical Report	2016-01-25T11:23:05-05:00	
Cryptographic Hash Value of File (SHA-512)	5F48F5AF959BE03D190E0FC5B0499CE0C456A1C046D800F32A18CC11C03D672D768701916006B2AA92889B8A026A14405FE1F58082BA5D27159037323C3FDB04		
ALS_CBOD20_12-3-15.PDF	Laboratory Analytical Report	2016-01-25T11:24:23-05:00	
Cryptographic Hash Value of File (SHA-512)	C892195083F51BF1D62B7F972279EACF4CA36EB8120BDD22F64C62733B527DB002983A82EAABA081D2C2D66ACAA2FDF04A7EDEF998F61DDE483F4F9D6A72E0C5		
DMR Cover Letter DEC 2015.doc	Cover Letter	2016-01-25T16:32:22-05:00	
Cryptographic Hash Value of File (SHA-512)	510B938EC6E8661940A6E6D1B56527BD99E4D4FCF7FC55813B6834492036D0243CD07505596F414C647B6D7225022ABE2AC1F7BB6199F1236A2F8D78F8D0AAF2		
ALS_CBOD20_12-6-15.PDF	Laboratory Analytical Report	2016-01-25T11:25:01-05:00	
Cryptographic Hash Value of File (SHA-512)	F2530D266BAB383A4801F7E96D5960E2239F54E40644C70B30042826C9DB28BF67DD86A8AD2F84488F2B322D832188388DF9E3F5CE8E9DF0A37BCD3BAB4DD8509		
ALS_CBOD20_12-8-15.PDF	Laboratory Analytical Report	2016-01-25T11:25:31-05:00	
Cryptographic Hash Value of File (SHA-512)	637A304D4572DB3D343976426D81C6D37CB5F231C93DC1F4B6F84957AADD71C95DD662396E6AE350B877FAD221F181E30D9247AD46B688944C39CFD6224F56E5		
ALS_CBOD20_12-17-15.PDF	Laboratory Analytical Report	2016-01-25T11:27:32-05:00	
Cryptographic Hash Value of File (SHA-512)	6271B05B5B4675263AB6DA35E0E76469F98D10707D7E3688F9AF6EE1E9EFBFBF0C8932136E9BEAB9AD524E6757CBB11A75E4843B1D2914F9B9D1AF6FADA5057E		
ALS_CBOD20_12-20-15.PDF	Laboratory Analytical Report	2016-01-25T11:28:13-05:00	
Cryptographic Hash Value of File (SHA-512)	B3625A06F0156D9ADA4591819873CE2710F6A0472D45D245FA364DEDA21CCFCCD2C3D0E156EB9CB6FA7F34F39C69217F395737BD06B630BB52BED8D618E53655		
ALS_CBOD20_12-22-15.PDF	Laboratory Analytical Report	2016-01-25T11:28:44-05:00	
Cryptographic Hash Value of File (SHA-512)	8CA62B40D2D68B1B9C10929805B4429545248E06A789AF5945B6E19DAFCB5342E27E4FA548D5AC2BFF244BE4D837E0060221D46EEC58A7A01FAAC1E96BC16728		
ALS_CBOD20_12-29-15.PDF	Laboratory Analytical Report	2016-01-25T11:29:45-05:00	
Cryptographic Hash Value of File (SHA-512)	9297E77963C38898450C3CA6A9A0C5E9FFC810918D7BCE3CEF9690CEA3F90A8DF9D0ED088C6E8856692BFA09D0906EA16361AD3305658B8B5216E2724C8F359F		
ALS_CBOD20_12-13-15.PDF	Laboratory Analytical Report	2016-01-25T11:26:25-05:00	
Cryptographic Hash Value of File (SHA-512)	42F9A24E9B3B1311481A5F7C7050EEF8C70B0C57548A82D66724A1EEB077F56E441E49E5E554B46709DA3ABD37B366046D867F91D5B711A6533441E5D6773C4AE		
DMR Laboratory Accreditation-WRTP-DEC 2015.doc	Laboratory Accreditation Form	2016-01-25T11:19:39-05:00	
Cryptographic Hash Value of File (SHA-512)	4FF26680363ED83ABBBD4E8EF6917743F7B34E581C28F4602A569216B79BE7F2840F9A542F0273D0896EA58F6B203F5B40B6D46D8C4433590D158DFDCC838209		
ALS_Effluent_DEC2015.PDF	Laboratory Analytical Report	2016-01-25T11:20:59-05:00	
Cryptographic Hash Value of File (SHA-512)	F2FAE095DBE0398FD801C7C738CD62FB2DB9235E8654B4DD2D20D4C1BA1733EE688D05983AC60906DF579039496E68FA3C447D69C39C6C53876AB6E56C21F3BA		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

WRTP Lab_Influent and Process Control DEC2015.docx	Laboratory Analytical Report	2016-01-25T11:22:25-05:00	
Cryptographic Hash Value of File (SHA-512)	D6BE020FB0F27717591C01CC66495655766C6D4D8D70FACAD664557989B6DA09CFFCAF96A100BA273B19C03DA7C65635FD73184838C0CC66ABA42469B80EB6D0		
ALS_CBOD20_12-1-15.PDF	Laboratory Analytical Report	2016-01-25T11:23:51-05:00	
Cryptographic Hash Value of File (SHA-512)	E45A52E2BA7D8FE318745185C8C365743731A84389D80C6DE91CD864A4325D19BF0AEE40FBC5765E42CFCA4ED321760E6874C30CF7F4D323065D1705E20126DC		
ALS_CBOD20_12-10-15.PDF	Laboratory Analytical Report	2016-01-25T11:25:59-05:00	
Cryptographic Hash Value of File (SHA-512)	F66F72B600C6003894B8C194F1F54875676DA251C006D4B631A0EE49DA37953FE1A14A1E78AE04A8F46461CC0EBD35ACC18C429C771F0A67BE79F9F2048A0450		
ALS_CBOD20_12-15-15.PDF	Laboratory Analytical Report	2016-01-25T11:27:00-05:00	
Cryptographic Hash Value of File (SHA-512)	EA6A938B945BEC59A3B45DC8E0E03B4E77521A38EDE3D434CBE9B9F3D112C533411A136FC91A21CAAAA62C45D15F501C331CA1E01A6C85A5245C7CDB8E595DBB		
ALS_CBOD20_12-27-15.PDF	Laboratory Analytical Report	2016-01-25T11:29:16-05:00	
Cryptographic Hash Value of File (SHA-512)	060BB169735C2ACC2CB6999094DF683DF298BE8437C4977423AB5A06B956503E62BE4F6F36D2607B605B322DDD1EF66A92784936964BFA7E01A8164AFBF1D146		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	1/25/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	15	12	01	TO	15	12	31

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

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

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

Michael J. DiSantis **Date:** 01/28/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	15	12	01	TO	15	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 01/28/16

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: December Year: 2015
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				2,880.77	25.01	**720.48**	2,724.64	25.01	**681.43**
12/31/15	105,500	4.20	**18.477**						
		TOTAL:	18.477		TOTAL:	720.480		TOTAL:	681.432

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

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

* See Instructions for explanation.

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

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: January 28, 2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: December Year: 2015
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	44.79			446	166,603	3175.00	1.97	208590		
2	40.16	259	86,748	244	81,724	3090.00	1.60	219710		
3	31.42			278	72,848	3285.00	1.97	238750		
4	29.52			440	108,327	3400.00	1.99	246040		
5	28.06			208	48,676	3890.00	1.98	246480		
6	28.79			184	44,180	3640.00	2.26	290690		
7	29.36			384	94,027	2595.00	1.52	271790		
8	28.56			221	52,640	3255.00	1.69	225780		
9	29.26	559	136,412	454	110,789	3205.00	1.55	183380		
10	27.33			382	87,070	3560.00	1.31	46850		
11	27.51			354	81,219	3495.00	1.10	226690		
12	26.88			226	50,664	3745.00	1.96	184170		
13	27.25			200	45,453	3710.00	1.51	170700		
14	29.49			403	99,116	3550.00	0.85	195470		
15	28.95			324	78,228	3995.00	0.99	203860		
16	27.72	538	124,377	304	70,280	3590.00	1.16	215860		
17	46.79			442	172,481	3795.00	0.90	157290		
18	35.83			338	101,002	3395.00	0.93	202450		
19	29.72			174	43,128	4270.00	1.70	41650		
20	28.92			184	44,379	4090.00	2.14	13110		
21	28.90			344	82,913	3995.00	1.09	112260		
22	31.30			328	85,622	4150.00	0.81	156990		
23	47.56	396	157,074	318	126,135	4135.00	1.15	165470		
24	51.61			124	53,373	3670.00	1.12	184710		
25	41.69			137	47,634	4595.00	2.61	184050		
26	38.86			176	57,040	4295.00	2.01	223750		
27	35.59			153	45,414	4305.00	2.23	228620		
28	34.07			244	69,331	4050.00	1.32	31660		
29	57.16			208	99,157	2920.00	1.14	155270		
30	44.28	250	92,324	252	93,062	3880.00	1.23	203840		
31	39.40			206	67,691	4705.00	1.47	205300		
Avg	**34.733**	**400**	**119,387**	**280**	**80,007**	**3,724**	**2**	**181,975**		
Max	**57.16**	**559**	**157,074**	**454**	**172,481**	**4,705**	**3**	**290,690**		

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

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

License No.: T0403
Date: 1/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: December Year: 2015
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Day	SEPTAGE				SLUDGE				OTHER (specify): Domestic Holding Tank				DAILY TOTALS	
	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1				Headworks				Sludge Thickening	57410			Headworks	57,410	0
2				Headworks				Sludge Thickening	98350			Headworks	98,350	0
3				Headworks				Sludge Thickening	49550			Headworks	49,550	0
4				Headworks				Sludge Thickening	99300			Headworks	99,300	0
5				Headworks				Sludge Thickening	17900			Headworks	17,900	0
6				Headworks				Sludge Thickening				Headworks		
7				Headworks				Sludge Thickening	63689			Headworks	63,689	0
8				Headworks				Sludge Thickening	101531			Headworks	101,531	0
9				Headworks				Sludge Thickening	69230			Headworks	69,230	0
10				Headworks				Sludge Thickening	86538			Headworks	86,538	0
11				Headworks				Sludge Thickening	58350			Headworks	58,350	0
12				Headworks				Sludge Thickening	50800			Headworks	50,800	0
13				Headworks				Sludge Thickening				Headworks		
14				Headworks				Sludge Thickening	106750			Headworks	106,750	0
15				Headworks				Sludge Thickening	58550			Headworks	58,550	0
16				Headworks				Sludge Thickening	66500			Headworks	66,500	0
17				Headworks				Sludge Thickening	83450			Headworks	83,450	0
18				Headworks				Sludge Thickening	60200			Headworks	60,200	0
19				Headworks				Sludge Thickening	22200			Headworks	22,200	0
20				Headworks				Sludge Thickening				Headworks		
21				Headworks				Sludge Thickening	67250			Headworks	67,250	0
22				Headworks				Sludge Thickening	68600			Headworks	68,600	0
23				Headworks				Sludge Thickening	96250			Headworks	96,250	0
24				Headworks				Sludge Thickening	56900			Headworks	56,900	0
25				Headworks				Sludge Thickening				Headworks		
26				Headworks				Sludge Thickening	23300			Headworks	23,300	0
27				Headworks				Sludge Thickening				Headworks		
28				Headworks				Sludge Thickening	132250			Headworks	132,250	0
29				Headworks				Sludge Thickening	61420			Headworks	61,420	0
30				Headworks				Sludge Thickening	88950			Headworks	88,950	0
31				Headworks				Sludge Thickening	83750			Headworks	83,750	0
Avg									70,345			Monthly Totals:	1,828,968	

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 Maintenace Date: 1/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **December** Year: **2015**
NPDES Permit No.: **PA0027103 A3**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	2,131,559			Industrial Wastewater			Production Water	
	364,221			Form U Residual Waste			Production Water	
	1,672,009			Grease			Food Processing	
	7,120,780			Landfill Leachate			Leachate	
	2,101,459			Food Processing Wastewater			Food Processing	
Total:	13,390,028							

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 Maintenace** Date: **1/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-PM-BPNPS0435 3/2015

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 12 (select number) Year: 2015
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Stage	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	11/29/15	27.29						11						24		88.09																			
	Mon	11/30/15	38.85						15						25		93.11																			
	Tue	12/1/15	43.77		34		6.82		17		20		93.38		24		94.62		633.00	<	5		0.50									<	0.025	<	0.015	<
	Wed	12/2/15	40.29		44		6.76		13						16		93.44		489.00	<	5		0.41													
	Thu	12/3/15	30.84		27		6.88		8		22		94.49		15		94.60		628.00	<	5		0.31													
	Fri	12/4/15	29.34		12		6.73		9						17		96.14			<	5		0.64													
	Sat	12/5/15	27.49		34		6.69		11						16		92.31			<	5		0.34													
2	Sun	12/6/15	28.01		17		6.54		10		18		93.25		17		90.76		493.00	<	5		0.41		0.88		17.10	<	0.50		2.90					
	Mon	12/7/15	28.89		11		6.45		10						14		96.35		566.00	<	5		0.44													
	Tue	12/8/15	28.06		5		6.85		9		19		94.71		12		94.57		567.00	<	5		0.50													
	Wed	12/9/15	28.20		26		6.67		11						13		97.14		577.00	<	5		0.45													
	Thu	12/10/15	28.65		16		6.82		7		20		97.77		10		97.38		647.00	<	5		0.65													
	Fri	12/11/15	28.86		39		6.76		10						11		96.89			<	5		0.49													
	Sat	12/12/15	28.87		17		6.81		7						10		95.58			<	5		0.31													
3	Sun	12/13/15	27.01		2		6.58		5		10		97.22		10		96.00		625.00	<	5		0.38													
	Mon	12/14/15	28.91		7		6.47		8						9		97.77		607.00	<	5		0.38													
	Tue	12/15/15	28.44		5		6.79		9		30		93.26		12		96.30		660.00	<	5		0.58													
	Wed	12/16/15	27.29		28		6.73		6						12		96.05		712.00	<	5		0.50													
	Thu	12/17/15	45.82		7		6.78		38						21		95.35		699.00	<	5		0.44													
	Fri	12/18/15	35.60		32		6.68		23		39		91.59		20		94.08			<	5		0.34													
	Sat	12/19/15	29.90		18		6.88		10						14		91.95			<	5		0.60													
4	Sun	12/20/15	28.33		28		6.67		6		12		94.59		8		95.65		561.00	<	5		0.54													
	Mon	12/21/15	36.45		29		6.50		14						13		89.22		617.00	<	5		0.33													
	Tue	12/22/15	30.69		23		6.95		29		47		89.37		12		96.34		587.00	<	5		0.27		23.50		0.42	<	0.20		21.50					
	Wed	12/23/15	45.34		41		6.97		17						16		94.97			<	5		0.17													
	Thu	12/24/15	48.83		1200		6.70		14						21		93.08			<	5		0.37													
	Fri	12/25/15	38.98		24		6.98		6						9		93.43			<	5		0.36													
	Sat	12/26/15	36.43		23		6.64		4						7		98.02			<	5		0.52													
5	Sun	12/27/15	33.21		7		6.90		5		15		92.50		9		94.12		476.00	<	5		0.48													
	Mon	12/28/15	32.70		8		6.72		8						11		95.49		532.00	<	5		0.50													
	Tue	12/29/15	56.25		1200		6.86		11		10		94.29		16		92.81		496.00	<	5		0.29													
	Wed	12/30/15	43.51		3		6.72		7						11		95.63			<	5		0.44													
	Thu	12/31/15	38.74		36		6.81		7						9		95.63			<	5		0.44													
	Fri	1/1/16	33.22						8						8		90.80																			
	Sat	1/2/16	32.46						5						10		94.12																			
Calculation grid																																				
Daily Minimum (Conc.)					2		6.46		4		10		62.5		7		83.08		475	<	5		0.17		0.88		0.42	<	0.2		2.9	<	0.025	<	0.015	<
Daily Maximum (Conc)					1200		6.97		36		47		97.77		24		97.77		713	<	5		0.65		23.5		17.1	<	0.5		21.5	<	0.025	<	0.015	<
Max Avg Weekly (Conc)									14		39		95.25		35		95.52		640	<	5		.0		23.5		17.1	<	0.5		21.5	<	0.025	<	0.015	<
Avg Monthly (Conc)									11		22		91.37		13		94.66		602	<	5		0.4		12.19		8.76	<	0.4		12.2	<	0.025	<	0.015	<
Geometric Mean (Conc)					21																															
Max Avg Weekly (Load)			38.55						4278		7431				5269				180617	<	1706		141		6053		3996	<	117		5501	<	9	<	5	<
Avg Monthly (Load)			33.89						3364		5963				3905				160605	<	1413		119		3108		2061	<	94		3080	<	9	<	5	<
Total Monthly (Load)			1050.38						101171		185005				121043				4978742	<	43800		3696		96347		63862	<	2904		95770	<	283	<	170	<
Daily Minimum (Load)			28.85						1126		2253				1896				115166	<	1111		84		386		107	<	31		677	<	9	<	5	<
Daily Maximum (Load)			56.25						13447		12026				8761				284480	<	2346		183		6013		3996	<	117		5501	<	9	<	5	<

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 1/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **December** Year: **2015**
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	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: **1/11/2016**

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, January 25, 2016 3:48 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 8101 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 8101
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Annually
Monitoring Report Period : 01/01/2015-12/31/2015
Monitoring Report Due Date : 01/28/2016

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

January 25, 2016

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed is DELCORA's Annual Stormwater Discharge Monitoring Report for 2015

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:smf
Enclosures

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

3800-PM-WSFR0083t Rev. 7/2009
Additional Information

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

ADDITIONAL INFORMATION FOR THE REPORTING OF STORMWATER DISCHARGE MONITORING

(This form must be completed and submitted with the DMR form for each outfall sampled)

A. PERMITTEE'S NAME: DELCORA	OUTFALL/DISCHARGE NO.: 028
FACILITY/LOCATION: Western Regional Treatment Plant, 3201 West Front Street, Chester, PA 19016	
B. SAMPLED STORM EVENT	
Provide the date of storm event: 09/29/2015	Provide the duration (in hours) of storm event: 48hrs
Estimate rainfall measurements (in inches) of the storm which generated the sample runoff: .80 inches	Estimate the duration between the storm event sampled and the end of the previous measurement (greater than 0.1 inch rainfall) storm event: 18 days.

Drainage area and volume of runoff

(1) Paved area 217,800 square feet x 0.9 (estimated runoff coefficient) x rainfall .80 inches x 0.6234 = 97759.09 gallons

(2) Unpaved area 108,900 square feet x 0.5 (estimated runoff coefficient) x rainfall .80 inches x 0.6234 = 27155.30 gallons

Total area 326,700 square feet Total volume of discharge 124914.39 gallons

C. GRAB SAMPLE METHODOLOGY

If a grab sample during the first 30 minutes of the discharge was impracticable, and the sample was instead taken during the first hour of the discharge, describe the circumstances:

N/A

D. SAMPLE WAIVER

If samples could not be collected due to adverse climatic conditions, describe why samples could not be collected. Attach available documentation of the event.

N/A

If monitoring data submitted is being used to represent other substantially identical outfalls, summarize on a drainage area and volume of runoff under item B. above for each outfall.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	Facility Name:	DELCORA STP	Location Address:	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	Monitoring Period:	01/01/2015-12/31/2015	Mailing Address:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		028		Stage Code			Final Effluent		No Discharge Indicator	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
Chemical Oxygen Demand (COD)	Sample Measurement	***	***	***	***	***	65	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
pH	Sample Measurement	***	***	***	***	***	7.52	S.U.	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Suspended Solids	Sample Measurement	***	***	***	***	***	52	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Oil and Grease	Sample Measurement	***	***	***	***	***	<2.0	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	***	1.7	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Phosphorus	Sample Measurement	***	***	***	***	***	.44	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Iron, Dissolved	Sample Measurement	***	***	***	***	***	.10	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	***	***	***	***	***	6	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	**Attachment Type**	**Uploaded Time**	**Attachment Comment**
Stormwater Monitoring 2015.docx	Stormwater Additional Information Form	2016-01-25T12:08:22-05:00	
Cryptographic Hash Value of File (SHA-512)	C967537048323B65A0DD92BA4224DCCFDF4151108CA1B0DAE565C7782931547ADBD1BDA385E5B2759E08FD4746DEB3A9E521D2E0A8570CE5E6AB8342B6CAE9CE		
DMR Laboratory Accreditation-WRTP-SEP 2015.doc	Laboratory Accreditation Form	2016-01-25T15:46:56-05:00	
Cryptographic Hash Value of File (SHA-512)	32E8856CA73573C13CB86520BD1FF15CE6B6C9788B03F6A0C41FDDE8DCEFE0E9C7F4D1B6071C1C31EBFF2B673A305A989FF524D346B1BE1E29D6BC8117A7532E		
ALS_Stormwater 2015.pdf	Laboratory Analytical Report	2016-01-25T12:07:32-05:00	
Cryptographic Hash Value of File (SHA-512)	8FEB03BF9BAC24B5AF434D70830F80C320C65353232F774BA368D3DB9C2D73A8EF5AD3000BCB965D974C6D386CC104F938A3BF72D5183CE85481B6FB19C6076C		
DMR Laboratory Accreditation-ALS-SEP 2015.doc	Laboratory Accreditation Form	2016-01-25T15:46:05-05:00	
Cryptographic Hash Value of File (SHA-512)	255EBA7BECFF25CE8F5D467BC1F7E4C480353A6B542A5C3EECD518E7FD12D600F121E02ADA4AD614769CD35FE93EECD2B4A74E38BC1D600E5475FFEDE0D03F80		
Stormwater DMR Cover Letter 2015.doc	Cover Letter	2016-01-25T15:47:31-05:00	
Cryptographic Hash Value of File (SHA-512)	EDBC5D032461AC4DE8A0CAC1CB19F7C3533D5C0D7DA4A72BF57E12FCE707BE1ADD33BBCDC396AC363D09094B277C153F5DF649EE46BFCA99C75CE5D0455739A6		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	1/25/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	15	09	01	TO	15	09	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
Phosphorous, Total	EPA 365.1	ALS Environmental	PA 22-293
Total Suspended Solids	S2540D-11	ALS Environmental	PA 22-293
Chemical Oxygen Demand	EPA 410.4	ALS Environmental	PA 22-293
Oil and Grease	EPA 1664-B	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Dissolved Iron	EPA 220.7	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293

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

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

Michael J. DiSantis **Date:** 10/28/15

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	15	09	01	TO	15	09	30

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
pH	SM 4500 H+B	DELCORA - Central Laboratory	23-00671

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

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

Michael J. DiSantis **Date:** 10/28/15

[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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ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

October 13, 2015

Mr. Mike Krause
DELCORA
P.O. Box 999
Chester, PA 19016

Certificate of Analysis

Project Name:	**Annual Stormwaters**	Workorder:	**2098597**
Purchase Order:		Workorder ID:	**Annual Stormwaters**

Dear Mr. Krause:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, September 29, 2015.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mr. Brad W Kintzer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Ray Rios , Ms. Irene Fitzgerald

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Brad W. Kintzer
Mr. Brad W Kintzer
Project Coordinator

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

SAMPLE SUMMARY

Workorder: 2098597 Annual Stormwaters

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2098597001	Stormwater	Water	9/29/2015 13:45	9/29/2015 19:15	Mr. Mike Krause

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental

34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

ANALYTICAL RESULTS

Workorder: 2098597 Annual Stormwaters

Lab ID: **2098597001** Date Collected: 9/29/2015 13:45 Matrix: Water

Sample ID: **Stormwater** Date Received: 9/29/2015 19:15

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Carbonaceous BOD	5.6		mg/L	2.0	S5210B-11			9/30/15 11:50	LEW	A
Chemical Oxygen Demand (COD)	65		mg/L	5	EPA 410.4			10/6/15 02:00	JAM	B
Oil/Grease Hexane Extractable	ND		mg/L	2.0	EPA 1664B			10/2/15 08:55	MPP	C
Phosphorus, Total	0.44		mg/L	0.10	EPA 365.1	10/1/15	LJF	10/7/15 11:39	SYB	B
Total Kjeldahl Nitrogen	1.7		mg/L	1.0	S4500NH3G-11	10/2/15	J1H	10/5/15 09:11	C_W	B
Total Suspended Solids	52		mg/L	5	S2540D-11			10/1/15 04:17	NV	A
METALS										
Iron, Dissolved	0.10		mg/L	0.060	EPA 200.7	9/30/15	TSS	10/6/15 03:26	TSS	E

Brad W. Kintzer

Mr. Brad W Kintzer
Project Coordinator

ALS Environmental

34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

BWL

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:
ALS Quot
* 2 0 9 8 5 9 7 *

Client Name: DELCORA
Address: 3201 W. Front Street
Chester PA 19013
Contact: Mike Krause
Phone#: 610-876-5523 x218
Project Name#:
Bill To: Same

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
Date Required: _____ Approved By: _____
Email? [x] -Y
Fax? [ ] -Y No.:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	CBOD5, TSS	COD, TKN, PHOS	FOG	Fe (dissolved) - filtered UNFILTERED
					Container Type	plastic	plastic	amber	plastic
					Container Size	1L	500ml	1L	250ml
					Preservative	none	H2SO4	H2SO4	HNO3
					ANALYSES/METHOD REQUESTED				
					Enter Number of Containers Per Sample or Field Results Below.				
1 Stormwater	9/29/2015	1345	G	WW	1	1	2	1
2								
3								
4								
5								
6								
7								
8								
9								
10								

Receivd
Cooler Temp: 1°C Therm ID: 307
No. of Coolers: 1

	Y	N	Initial
Custody Seals Present?			
(If present) Seals Intact?			
Received on Ice?	X		
COC/Labels Complete/Accurate?	X		
Cont. in Good Cond.?	X		
Correct Containers?	X		
Correct Sample Volumes?	X		
Correct Preservation?	X		
Headspace/Volatiles?			

Courier/Tracking #:

Sample/COC Comments
Fe SAMPLE IS UNFILTERED
IF YOU NEED SAMPLE, TAKE IT FROM CBOD BOTTLE

ALS Field Services: X Pickup _Labor
_Composite Sampling _Rental Equipment
_Other:

Project Comments:

LOGGED BY (signature): [signature] DATE 09/30/15 TIME 0100
REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [signature]	9/29/15	1400	2 [signature]	9.29	1400
3 [signature]	9.29	1710	4 [signature]	9/29	1710
5 [signature]	9/29	2000	6 [signature] ALS	9/30/15	1015
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] USACE [ ]

Special Processing: USACE [ ] Navy [ ]

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] NC [ ]

Reportable to PADEP? Yes [ ]
PWSID #

Sample Disposal: Lab [ ] Special [ ]

EDDS: Format Type-

* G=Grab; C=Composite
** Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 10/11

ALS

STORMWATER

SAMPLE DATE 9/29/15 1345

TOTAL RAINFALL 0.8 INCHES

pH CALIBRATION BUFFERS 4.0 4.00

7.0 7.02

9/29/15 0900 10.0 10.05

SLOPE 96.8

pH FIELD 7.52 S.U. 9/29/15 1425
(pH GRAB TAKEN AT 1420)

RAINFALL STARTED AT 1330 9/29/15

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, February 26, 2016 2:49 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 12554 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 12554
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 01/01/2016-01/31/2016
Monitoring Report Due Date : 02/28/2016

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

February 26, 2016

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for January, 2016. All parameters were in compliance during the month.

Parameter averages for January, 2016 were: Flow – 32.43; $cBOD_5$ – 11mg/L; TSS – 16 mg/L; $cBOD_{20}$ % removal – 93.64%; and $cBOD_{20}$ – 6,381 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:smf
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
File

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION					
Facility ID:	482685	Facility Name:	DELCORA STP	Location Address:	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	Monitoring Period:	01/01/2016-01/31/2016	Mailing Address:	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		Stage Code			Final Effluent		No Discharge Indicator	N
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	6.29	***	6.99	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4296	5382	lbs/day	***	16	19	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	<1352	***	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	***	***	***	***	3.53	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.5	<.5	mg/L	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	***	***	***	***	9.1	10.6	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	***	***	***	***	5.5	***	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
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.005	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	<.025	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.015	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	<.05	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	32.43	42.9	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.62	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	679	1027	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	13	47	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	2969	3583	lbs/day	***	11	12	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	6381	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	93.64	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	84353	***	lbs/day	***	324	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	70219	***	lbs/day	***	257	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	67817	***	lbs/day	***	249	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Hauled In Municipal Waste_JAN2016.xls	Hauled-In Municipal Waste Form	2016-02-26T14:20:08-05:00	
Cryptographic Hash Value of File (SHA-512)	0B941E450E3F1D7F0D067253F09CCAB5C5290F17E4CD5854F91082035A17EDE468F98D4ACE5ED8F58CFB3F67BA8664D4B3AB6D537601F68AA7CBAE7750028544		
ALS_CBOD20_1-5-16.PDF	Laboratory Analytical Report	2016-02-26T14:28:18-05:00	
Cryptographic Hash Value of File (SHA-512)	0DABEA62038CB0D7A15EDCAE1409F871385DB3595A2FFE5D2AFF32CE76A70D6707D02E9D9CDA63B4C16BC7E4C66A9B14E9D030BF617D56E81EF97BB3988D38A9		
ALS_CBOD20_1-3-16.PDF	Laboratory Analytical Report	2016-02-26T14:24:50-05:00	
Cryptographic Hash Value of File (SHA-512)	2DDFFF1FF1716ABF178E5F20C11A3A05159FD9EA7F916FD8E6826246DF41AB7E933398F153E340F5A0E886671C7207E0544A1265073E9AF2D898336BBE30B2AA		
ALS_CBOD20_1-7-16.PDF	Laboratory Analytical Report	2016-02-26T14:29:10-05:00	
Cryptographic Hash Value of File (SHA-512)	E1DD867DEA02B8BBA0949E01A9D638431541BACFDE2A027474498A422452B2D488945231A65C9DF0A9D5F6B030A6D4869F1BF049071C7312F1694D2BE569E071		
ALS_CBOD20_1-21-16.PDF	Laboratory Analytical Report	2016-02-26T14:34:47-05:00	
Cryptographic Hash Value of File (SHA-512)	BDC521C10DFE479DE40292D2B761E9C68E57794E7695495A7D4FE7CFCA9F791AF4FAEB4F2392A62436928 4F824604DAB1C23EFB7D01F54369EC7E4C1E5AC2D3A		
ALS_CBOD20_1-24-16.PDF	Laboratory Analytical Report	2016-02-26T14:35:37-05:00	
Cryptographic Hash Value of File (SHA-512)	D97928F6D30A790576013D3E9E9E579D5F227C1B771A11DA8F28F45D27217EA5A72E5021DBEA38D31D5415DB949E0421B2039842E7BE735E7DEE556970F62D5F		
ALS_CBOD20_1-19-16.PDF	Laboratory Analytical Report	2016-02-26T14:33:14-05:00	
Cryptographic Hash Value of File (SHA-512)	FE7E6EEF39C1B81C7DFE00596EB4B30ABDC7A83357DD83EB5E958E4BDB31DF54AFA0F8B611940C0D9AA78D498146C2B570D3E74F941A9F1B834A942C6C53D429		
ALS_CBOD20_1-17-16.PDF	Laboratory Analytical Report	2016-02-26T14:32:28-05:00	
Cryptographic Hash Value of File (SHA-512)	3896CF27F395D02E3D2A7B0D7236216B0D85E7F756A948F18C0367B6365A0234B6C217391B4A0E61E78CD498A2632B50CA4649CB8E4BDCD10DB6915498A64979		
ALS_CBOD20_1-14-16.PDF	Laboratory Analytical Report	2016-02-26T14:31:37-05:00	
Cryptographic Hash Value of File (SHA-512)	36A6BA6681194400123E13EA7F919A3598E743860C15C978B4F4CE35C141A8DD028BEABCE0B1BA326646D9FEC02EB1DDAD3978F03AC2BE071CA04DB565452044		
Daily Effluent Monitoring JAN 2016.xlsx	Daily Effluent Monitoring Form	2016-02-26T14:18:56-05:00	
Cryptographic Hash Value of File (SHA-512)	ED107D8BED02B5ED057119BC75E85238CBDB8E4C5545FD070A6C07E4A008D8D45D48ECBFF6D39CB60D1A70EDE4EB65E1960A50CB2BB860B4CE9AAD224714EFB4		
Daily Influent Monitoring JAN 2016.xlsx	Daily Effluent Monitoring Form	2016-02-26T14:19:37-05:00	
Cryptographic Hash Value of File (SHA-512)	D345609B46267D97D0B499C501B5CACF6958934CB549CA8EB44EFD9DBB46986F70294689B39A08B3AC588E27A79364A4B551A93BD2AFC88CAD5AA9782C9948C8		
ALS_CBOD20_1-28-16.PDF	Laboratory Analytical Report	2016-02-26T14:37:24-05:00	
Cryptographic Hash Value of File (SHA-512)	CAE85364C4E455BB88AC88B6E09CA3D31E1255948AC9993193679445BC58F280A6A9E0136F4BB760747C777E454DB6232CF101DC75EFE44E033C99D3119EA069		
DMR Laboratory Accreditation-ALS-JAN 2016.doc	Laboratory Accreditation Form	2016-02-26T14:23:30-05:00	
Cryptographic Hash Value of File (SHA-512)	66A2217D33194D42162F4175BFB96CDFDA422FFDF69CA2F7732AFE19CDCD180C0D241945036EE1505AE4A0CB7BFC5E2C4274D644B575221D6163703F99C4F9C8		
DMR Laboratory Accreditation-WRTP-JAN 2016.doc	Laboratory Accreditation Form	2016-02-26T14:24:05-05:00	
Cryptographic Hash Value of File (SHA-512)	0F566D2912B4E76EDBADEE702B143FD7080EFAB18D17304ED225123CFC9DDDB58303E7EECB617805356065E002CB34C5794A545E68407DCCD5A74DA96042B357		
DMR Cover Letter JAN 2016.doc	Cover Letter	2016-02-26T14:48:42-05:00	
Cryptographic Hash Value of File (SHA-512)	533B60BD93F6DE61EE6073D70D1A8312EAFC81BD04D91ABB93599FB5DF0416FC6F0783C19E6D27BB0FA2B9B1778DAD61FBD412AF77C56182F4C75D201B332BFE		
ALS_CBOD20_1-10-16.PDF	Laboratory Analytical Report	2016-02-26T14:30:02-05:00	
Cryptographic Hash Value of File (SHA-512)	D62B3D081FB0B574653200535AC7C4FAC0C4ADDC1526F092FFE1D0214B779FA977DEDA03888FA7F75D34680180EE2DBAD5EE0E8C1CA731B813953786C3AFB568		
ALS_CBOD20_1-12-16.PDF	Laboratory Analytical Report	2016-02-26T14:30:48-05:00	
Cryptographic Hash Value of File (SHA-512)	8A12CBE8F61C2E048B342B227EB475BF0D38AD8FFCC29E3E1AA64EC1C1B6F3C9FBEF45AA6B2A294592014280B9FDC79B414A3FFEC3B357499DBF55C97A73AFB0		
Hauled In Residual Wastes_JAN2016.xls	Hauled-In Residual Waste Form	2016-02-26T14:20:35-05:00	
Cryptographic Hash Value of File (SHA-512)	AD0C9678476CF096EC4992AA36F2A9AB81832F7CC329D3B58021E68EF23AD7A93D1ACD11B09E778CC238BFB32B3DE23B5FA3B7501500DE464B29F7B825A54565		
Influent and Process Control_JAN2016.xls	Influent and Process Control Form	2016-02-26T14:21:03-05:00	
Cryptographic Hash Value of File (SHA-512)	E5023A752481590BDD17DA8EDC260685FDB9A8031DAC5A3165D8A389CABA6B72B34BD5DF79CDD41E1BF9036459E2D14F48C444C9A5FAC0E068B12C6C2D202101		
January 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-02-26T14:22:14-05:00	January 2016 SWMM Report
Cryptographic Hash Value of File (SHA-512)	3BCA0C72F37C2C5DA5D9CBEE008672AC43C87A6A513198230DBAF5C76A2CD2BB8C13A3AF02F97C0B511EA8D1B977588A73540A539D2613F75FFE63B5AA97CA06		
Sludge Production and Disposal_JAN 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-02-26T14:22:50-05:00	
Cryptographic Hash Value of File (SHA-512)	5ABD3C60FDDE1907371FB658F9ED9D400216FBA90BF11736CF3E8CDA90CC7B1B8B253810661043B66C2472DF95D81D668B4804F5A456E512E5B3889367839F92		
ALS_CBOD20_1-26-16.PDF	Laboratory Analytical Report	2016-02-26T14:36:20-05:00	
Cryptographic Hash Value of File (SHA-512)	6CA054DB5A0D4141EA921CAD92ECA31624B28572FCFCA7BCC55BA285663B95183CBA304EEF32F480DAFF8B8694EAAF4CB2FB49CC8CF38712C0407C18DE89856E		
ALS_CBOD20_1-31-16.PDF	Laboratory Analytical Report	2016-02-26T14:39:21-05:00	
Cryptographic Hash Value of File (SHA-512)	23F01A8F9555419519121954C1B8E8C3D3C95803A202D2538B63BAA5D8AB443FBC1B3864AA8D1CED2BABA85BDE8A28F3B30FC9202F112C6B455A52F9EBD29CE0		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

*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 bellef, 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 GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	idisantism@delcora.org	**Document Generated**	2/26/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	01	01	TO	16	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
Dichlorobromethane	EPA 624	ALS Environmental	PA 22-293
BOD20/cBOD20	SM5210 B	ALS Environmental	PA 22-293
Chlorodibromomethane	EPA 624	ALS Environmental	PA 22-293
TKN-N	EPA 351.2	ALS Environmental	PA 22-293
Ammonia as N	D6919-09	ALS Environmental	PA 22-293
Nitrate as N	EPA 300.0	ALS Environmental	PA 22-293
Total Cyanide	EPA 335.4	ALS Environmental	PA 22-293
Total Cadmium	200.7	ALS Environmental	PA 22-293
Nitrite as N	EPA 300.0	ALS Environmental	PA 22-293

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

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

Michael J. DiSantis **Date:** 02/28/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	01	01	TO	16	01	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 02/28/16

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **January** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				3,230.45	25.09	**810.52**	2,712.87	28.09	**762.15**
		TOTAL:			TOTAL:	810.520		TOTAL:	762.150

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

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

* See Instructions for explanation.

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

Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **February 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: January Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	34.06			87	24,713	4685.00	2.01	261970		
2	33.27			170	47,170	4740.00	2.20	0		
3	32.36			138	37,244	4710.00	1.92	208850		
4	32.03			322	86,016	4235.00	1.36	149720		
5	30.94			496	127,988	3970.00	1.41	165690		
6	31.28	458	119,481	336	87,654	4305.00	1.10	169970		
7	30.88			354	91,169	4065.00	1.34	15766		
8	30.70			269	68,874	4080.00	1.10	212120		
9	30.17			200	50,324	4360.00	1.24	209270		
10	43.65			193	70,260	2990.00	1.42	149500		
11	34.95			264	76,952	3615.00	1.34	208500		
12	32.67			240	65,392	4085.00	0.99	188050		
13	30.41	320	81,158	244	61,883	4175.00	1.10	140370		
14	31.30			287	74,919	4405.00	1.09	214120		
15	32.04			263	70,277	4070.00	0.92	205960		
16	37.33			176	54,794	4285.00	1.74	215150		
17	31.40			147	38,496	4015.00	1.83	203970		
18	31.86			282	74,931	3680.00	1.25	206790		
19	30.72			252	64,564	4095.00	1.23	201440		
20	31.07	401	103,909	312	80,847	3575.00	1.12	214580		
21	30.36			426	107,864	4540.00	1.19	148970		
22	30.45			338	85,836	3450.00	0.94	168670		
23	29.94			180	44,946	3450.00	1.79	164750		
24	31.66			156	41,191	4180.00	2.96	224780		
25	32.43			200	54,093	3650.00	1.69	125250		
26	34.74			254	73,592	3200.00	1.59	0		
27	38.48			256	82,156	3210.00	1.55	0		
28	37.54			198	61,991	3215.00	1.44	0		
29	35.75			476	141,922	3220.00	1.32	0		
30	33.97	116	32,864	222	62,895	3990.00	1.85	0		
31	35.88			220	65,833	3775.00	2.62	37570		
Avg	**33.042**	**324**	**84,353**	**257**	**70,219**	**3,936**	**2**	**142,315**		
Max	**43.65**	**458**	**119,481**	**496**	**141,922**	**4,740**	**3**	**261,970**		

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

Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **2/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: January Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1														
2	10150			Headworks									10,150	0
3														
4	35435			Headworks	74974			Sludge Thickening	109200			Headworks	219,609	0
5	51470			Headworks	90219			Sludge Thickening	125930			Headworks	267,619	0
6	34400			Headworks	86383			Sludge Thickening	114650			Headworks	235,433	0
7	28260			Headworks	93396			Sludge Thickening	145900			Headworks	267,556	0
8	26420			Headworks	69240			Sludge Thickening	102900			Headworks	198,560	0
9	4400			Headworks	44900			Sludge Thickening	4600			Headworks	53,900	0
10														
11	40560			Headworks	19307			Sludge Thickening	61800			Headworks	121,667	0
12	57150			Headworks	12270			Sludge Thickening	101700			Headworks	171,120	0
13	31350			Headworks	31617			Sludge Thickening	58000			Headworks	120,967	0
14	27660			Headworks	38414			Sludge Thickening	111691			Headworks	177,765	0
15	29000			Headworks	44399			Sludge Thickening	58900			Headworks	132,299	0
16	2250			Headworks					9600			Headworks	11,850	0
17														
18	46080			Headworks	19171			Sludge Thickening	67950			Headworks	133,201	0
19	32900			Headworks	19000			Sludge Thickening	46500			Headworks	98,400	0
20	28225			Headworks	32615			Sludge Thickening	122250			Headworks	183,090	0
21	24450			Headworks	13006			Sludge Thickening	86750			Headworks	124,206	0
22	39500			Headworks	68718			Sludge Thickening	126264			Headworks	234,482	0
23														
24														
25	12300			Headworks	31100			Sludge Thickening	28000			Headworks	71,400	0
26	22900			Headworks	18902			Sludge Thickening	59900			Headworks	101,702	0
27	20250			Headworks	56279			Sludge Thickening	96800			Headworks	173,329	0
28	12450			Headworks	67377			Sludge Thickening	85750			Headworks	165,577	0
29	22760			Headworks	81396			Sludge Thickening	124400			Headworks	228,556	0
30	4400			Headworks	18000			Sludge Thickening	6300			Headworks	28,700	0
31														
Avg	26,863				46,849				80,684			Monthly Totals:	3,531,138	

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 2/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **January** Year: **2016**
NPDES Permit No.: **PA0027103 A3**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	1689142			Industrial Wastewater			Production Water	
	313699			Form U Residual Waste			Production Water	
	1437781			Grease			Food Processing	
	7687150			Landfill Leachate			Leachate	
	2271393			Food Processing Wastewater			Food Processing	
Total:	13,399,165							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **2/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

1900-FM-BPNPSM0455 3/2013

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 1 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow	Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead		
		Stage	1	1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1		
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Fri	1/1/16	33.22		1		6.61		6						8		90.80			<	5		0.82													
	Sat	1/2/16	32.48		2		6.78		5						10		94.12			<	5		0.40													
1	Sun	1/3/16	31.72		3		6.63		5		15		94.32		11		92.03		527.00	<	5		0.42													
	Mon	1/4/16	31.74		9		6.49		7						13		95.06		541.00	<	5		0.29													
	Tue	1/5/16	30.72		47		6.61		11		26		94.65		15		96.98		653.00	<	5		0.45									<	0.025	<	0.015	<
	Wed	1/6/16	30.62		21		6.61		11						9		97.32		693.00	<	5		0.37													
	Thu	1/7/16	30.22		13		6.69		10		14		93.81		9		97.46		763.00	<	5		0.54													
	Fri	1/8/16	30.23		32		6.68		9						12		95.54			<	5		0.20													
	Sat	1/9/16	29.18		7		6.82		8						12		94.00			<	5		0.49													
2	Sun	1/10/16	42.90		31		6.90		8		19		90.59		17		91.19		579.00	<	5		0.39		3.57		7.60	<	0.50		5.65					
	Mon	1/11/16	33.56		14		6.74		12						17		93.58		574.00	<	5		0.41													
	Tue	1/12/16	31.23		18		6.66		13		22		95.35		17		92.82		729.00	<	5		0.42													
	Wed	1/13/16	28.82		17		6.95		11						15		93.86		751.00	<	5		0.27													
	Thu	1/14/16	30.46		23		6.94		11		28		95.18		17		94.08		829.00	<	5		0.22													
	Fri	1/15/16	30.94		16		6.95		18						22		91.84			<	5		0.28													
	Sat	1/16/16	36.73		21		6.90		13						18		89.77			<	5		0.35													
3	Sun	1/17/16	30.81		10		6.73		9		17		91.79		14		90.48			<	5		0.34													
	Mon	1/18/16	31.13		28		6.54		13						20		92.91		608.00	<	5		0.28													
	Tue	1/19/16	30.26		28		6.74		10						17		93.25		688.00	<	5		0.46													
	Wed	1/20/16	30.83		28		6.88		9		31		92.01		17		94.55		669.00	<	5		0.34													
	Thu	1/21/16	30.14		17		6.90		13		28		97.45		15		95.48		641.00	<	5		0.43													
	Fri	1/22/16	29.89		12		6.71		19						31		93.79			<	5		0.29													
	Sat	1/23/16	29.99		11		6.78		14						17		90.89			<	5		0.30													
4	Sun	1/24/16	31.32		11		6.54		9		26		91.16		15		90.39		621.00	<	5		0.28		3.48		10.60	<	0.50		5.40					
	Mon	1/25/16	31.82		15		6.29		10						20		90.00		606.00	<	5		0.34													
	Tue	1/26/16	34.12		3		6.84		11		36		94.98		18		92.61		691.00	<	5		0.43													
	Wed	1/27/16	38.27		23		6.88		13						21		91.80		1027.00	<	5		0.36													
	Thu	1/28/16	37.30		34		6.64		18		30		93.28		22		88.89		861.00	<	5		0.30													
	Fri	1/29/16	35.38		30		6.63		17						19		90.01			<	5		0.38													
	Sat	1/30/16	33.37		15		6.80		11						15		93.24			<	5		0.33													
5	Sun	1/31/16	35.11		7		6.58		9		17		91.83		16		92.73		816.00	<	5		0.41													
Daily Minimum (Conc.):					1		6.29		5		13		90.59		8		88.89		507	<	5		0.2		3.48		7.6	<	0.5		5.4	<	0.025	<	0.015	<
Daily Maximum (Conc):					47		6.99		19		28		97.45		22		97.46		1027	<	5		0.82		3.57		10.6	<	0.5		5.5	<	0.025	<	0.015	<
Max Avg Weekly (Conc.)									12		31		94.38		19		95.81		741	<	5		0		3.57		10.6	<	0.5		5.5	<	0.025	<	0.015	<
Avg Monthly (Conc.)									11		23		93.64		16		93.2		679	<	5		0.4		3.53		10.1	<	0.5		5.5	<	0.025	<	0.015	<
Geometric Mean (Conc.)					13																															
Max Avg Weekly (Load):			34.61						3583		8769				5382				217751	<	1439		100		1277		2788	<	179		2004	<	8	<	4	<
Avg Monthly (Load):			32.43						2900		4341				4296				183668	<	1352		98		1083		2744	<	165		1707	<	8	<	4	<
Total Monthly (Load):			1006.27						82047		167614				133182				5754683	<	41939		3076		33585		85064	<	4797		52919	<	139	<	119	<
Daily Minimum (Load):			28.18						1323		3439				2216				134124	<	1316		50		999		2719	<	131		1411	<	6	<	4	<
Daily Maximum (Load):			42.9						5015		10344				5844				327789	<	1789		172		1277		2769	<	179		2004	<	6	<	4	<

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 2/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: January Year: 2016
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	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 License No.: T0403
Title: Dir. Of Operations and Maintenance Date: 2/17/2015

Middleton, Vale FEB. 2016

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, March 24, 2016 3:09 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 15111 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 15111
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 02/01/2016-02/29/2016
Monitoring Report Due Date : 03/28/2016

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

March 24, 2016

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for February, 2016. We regret to report that there was one (1) effluent violation during the month as we exceeded the instantaneous maximum for Total Residual Chlorine with a reading of 1.08 mg/L on 2/28/16.

Parameter averages for February, 2016 were: Flow – 41.4 MGD; $cBOD_5$ – 11 mg/L; TSS – 15 mg/L; $cBOD_{20}$ % removal – 92.17; and $cBOD_{20}$ – 9,025 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:vm
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
File

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	02/01/2016-02/29/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.46	***	6.99	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5192	6727	lbs/day	***	15	18	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	<1726	***	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	***	***	***	***	7.58	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.5	<.5	mg/L	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	***	***	***	***	5.3	6.2	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	***	***	***	***	8 6	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.036	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0076	***	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	***	***	***	***	.069	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.0013	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	41.4	65.66	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	1.08	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	606	874	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	16	144	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3867	4465	lbs/day	***	11	12	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	9025	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	92.17	***	***	%	24-Hr Composite	2/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	120173	***	lbs/day	***	308	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	103801	***	lbs/day	***	296	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	68326	***	lbs/day	***	199	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter Feb 2016 doc	Cover Letter	2016-03-24T15:06:34-04:00	
Cryptographic Hash Value of File (SHA-512)	964711FA5B09B5BC99945458726629571 8E37ABB39258D7FBCF53B149A237575FDD72279EEBD3C95C715A2712CAA8CEDACA15CEDB981BFBA7B1CDD12A7749D71		
Daily Influent Monitoring FEB 2016.xlsx	Daily Effluent Monitoring Form	2016-03-24T14:31:11-04:00	
Cryptographic Hash Value of File (SHA-512)	35D94BF44072DD969B9C9354824C840ABB14C234C2A5949D7A803721713B0FF84CD2D743163395F9234D2DA7CCF1AD8D2A715296DE3A9F1B8958059A0D955745		
Daily Effluent Monitoring FEB 2016.xlsx	Daily Effluent Monitoring Form	2016-03-24T14:30:42-04:00	
Cryptographic Hash Value of File (SHA-512)	940B4960C1787259F5DDA44364B06982F80F1F512F504BBB959CA7F47D6AEA30265DE109211 3003686F114965DA109BEFCBAE3F6B14DE6CD23FF1B3D0B8B843		
DMR Laboratory Accreditation-WRTP-FEB 2016.doc	Laboratory Accreditation Form	2016-03-24T13:55:05-04:00	
Cryptographic Hash Value of File (SHA-512)	768AE9882E97F566C41EC65AD65E92454C3DCD772B7B00A18B7BD3C89A49CCC7C0DFFE6AEDB25BA5C82452B3D4FFADD360F9FEDBFF8FE2F341B2D992F0D952AB		
DMR Laboratory Accreditation-ALS-FEB 2016.doc	Laboratory Accreditation Form	2016-03-24T13:54:44-04:00	
Cryptographic Hash Value of File (SHA-512)	00A7BFE475E188940421B880AD8C6D817975F9FF2E9CAFF20013BC55B54B0BD634C82A5801FB0C2B99DB5DFDA0FD760311FBBF037B94AC2EB2F2446744C0C517		
Hauled In Municipal Waste_FEB2016.xls	Hauled-In Municipal Waste Form	2016-03-24T14:09:54-04:00	
Cryptographic Hash Value of File (SHA-512)	1D3CFD5DEA25EFBF6157618E4CCB8328250E2BA9D7BE52E5ACBD1039142976D53065BEBF6FA53FB113E47B9963B58114450A120063073E05A568E2FEE53E272B		
Hauled In Residual Wastes_FEB2016.xls	Hauled-In Residual Waste Form	2016-03-24T14:10:16-04:00	
Cryptographic Hash Value of File (SHA-512)	8795F40DFB36AC40E01E1BC4156487E99CA1D167C1006099A69661ECC73D75960320020514AD36050A4133EAB2550029BA397DF600D4DC311CF184DC4A3008CC		
Influent and Process Control_FEB2016.xls	Influent and Process Control Form	2016-03-24T14:10:35-04:00	
Cryptographic Hash Value of File (SHA-512)	68BC139BBEA98ED16A9BE33BA20C6821942D96B83C2D8E1A92C614F2325467FA357B14C88B632AC1EBC9DBADEE1DE8DC6C770B739BDB5BA7D2924D90CE3A8E9A		
Sludge Production and Disposal_FEB 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-03-24T14:10:55-04:00	
Cryptographic Hash Value of File (SHA-512)	6FB3B6497E8C2E0D0186E5C48E9B6F4F6978FB7AB94BEF255F1D59D2A2A8AF6FC989BED888B633E1CFCC22FB2E9C9DAF48F5BAD0788F4116C3E48BC29010F15F		
February 2016 SWMM Report.xlsx	Surface Water Monitoring Data Report Form	2016-03-24T14:31:55-04:00	
Cryptographic Hash Value of File (SHA-512)	52DD72447D7FA42ED8F7899AF2A8CF46ADE49A41E0D5D029EDF34580C40A5C97E048479AB93DD1CB9FCC2F771FCD7A0D136EF76DF4EA62BBD3FF8F59AD23B219		
Non-Compliance Form Feb 2016.doc	Other	2016-03-24T15:07:14-04:00	Non-Compliance Form
Cryptographic Hash Value of File (SHA-512)	A9B5901234186576A5AC2DB767DB1073EE523BD15BD84E252DEC7E9C5ED8BB7C4C1CEDF58A3D27ED4BF11E33C47B0D586829CA1FAF95240CBA68CF8BF2681B20		
ALS_CBOD20_2-18-16.PDF	Laboratory Analytical Report	2016-03-24T13:59:10-04:00	
Cryptographic Hash Value of File (SHA-512)	5EC3822F368659395A4AAB6EC2C20AEF4AF78308C7E18F8F5E65F161E0283DE46D436B975E3C1B9D8098B1D5E185BF43610B6E6E6132CE3C7985B846B6138FCD		
ALS_CBOD20_2-14-16.PDF	Laboratory Analytical Report	2016-03-24T13:58:08-04:00	
Cryptographic Hash Value of File (SHA-512)	3CBE0A551418B1944C7A53582A67777FF66E1FB2240E3C5984780ZECAA74609FB4E1E662FB6FC0ECB258ED72AB693D6A44FED9CB69E8CD6A51B23AE15C289D5F		
ALS_CBOD20_2-11-16.PDF	Laboratory Analytical Report	2016-03-24T13:57:40-04:00	
Cryptographic Hash Value of File (SHA-512)	80A42C517BDE3AEFA757EA873A18BF43767C5EEB5830971878A8F8B66BA1E5B78977F98E7BB85A5EEDDD7FB400DA6287367B87E955C93E324B1CF217CEE1F0D6		
Biweekly N1_FEB2016.PDF	Laboratory Analytical Report	2016-03-24T14:02:55-04:00	
Cryptographic Hash Value of File (SHA-512)	7B1A124D8EBAD9790B1941BFFCBC23277BAC2D496C12762D27C059D569A5BDB29A6D34340F32D6EACDFDF224A6618EC8FFD5239B9706B65742BC2668802BD557		
ALS_Effluent_FEB2016.PDF	Laboratory Analytical Report	2016-03-24T14:02:30-04:00	
Cryptographic Hash Value of File (SHA-512)	AC09152D6F3D4E6737D81025060ACE7553DB81F36D16F15A2EB0F89EEB192C4F35B613BDF9C528198415AD258D7352DEED3EE97AB3EA74A56616E5CF6E24D741		
ALS_CBOD20_2-25-16.PDF	Laboratory Analytical Report	2016-03-24T14:00:50-04:00	
Cryptographic Hash Value of File (SHA-512)	F65B24C8F1EF3D36B1F9EC67A8AE2DB058DDFDDB9FA7D9C685FEBCA327667F1326B10E9218A0B8CAF3586076B09763BC2A4F920DF8762A2C462F61ACE3AE5CF2		
ALS_CBOD20_2-4-16.PDF	Laboratory Analytical Report	2016-03-24T13:56:07-04:00	
Cryptographic Hash Value of File (SHA-512)	57A0FDA6F111004B1F988FD640D3DF747084F25BD696EABD747475CD584777CC8D17FE23B0643E29CFB6F0888589CE13A749EEA620AEAB90325955AEBA81AF57		
ALS_CBOD20_2-9-16.PDF	Laboratory Analytical Report	2016-03-24T13:57:11-04:00	
Cryptographic Hash Value of File (SHA-512)	4E60CD804EE2E2BBA285FA93669F1A8EF11B8F26A8BDF71715041F118E046A73301B7D0462B21D166CE9F6BC3769A1120A0D34F638A788AC4A46C9F196C2F583		
ALS_CBOD20_2-7-16.PDF	Laboratory Analytical Report	2016-03-24T13:56:36-04:00	
Cryptographic Hash Value of File (SHA-512)	BFBA5584A8F16C2AC017B6647A00D17A39BECA3F05BED8EEC3027E58EED257FFA611B1A92D7AE4527540065F4FE8A29723784AAAF058598137D6BF2634317C26		
WRTP Lab_Influent & Process Control_02-16 pdf	Laboratory Analytical Report	2016-03-24T14:03:19-04:00	
Cryptographic Hash Value of File (SHA-512)	FC1AE780C83E5110D3AA373D3B3489CD1607B8E2E5CCA45FEE5B9D18CAA724BE17D831E1E6D913F0B996DAA0DDE36898E74F47850121FF6DE9D71C46D24A115E		
ALS_CBOD20_2-21-16.PDF	Laboratory Analytical Report	2016-03-24T13:59:41-04:00	
Cryptographic Hash Value of File (SHA-512)	976AE1D40C25903EF4206FED8ED87FD54834CDA939D68DA8A86851EF67E5C981AE7E9DB1429540D4356759283653F7AFAC1D541333AE66EEC2E7F1D43893699C		
ALS_CBOD20_2-16-16.PDF	Laboratory Analytical Report	2016-03-24T13:58:41-04:00	
Cryptographic Hash Value of File (SHA-512)	C7C72C5030A4B08D7DB35D00F7B2864655BED8943B6B78F9C82C93F6BCD59D0AD81B289B194ADE006879BABE8EE4B98F546C1B46DB2CA6EA4448DAD274CB87C9		
WRTP_Influent_FEB2016.pdf	Laboratory Analytical Report	2016-03-24T14:04:04-04:00	
Cryptographic Hash Value of File (SHA-512)	459C202C87F3DB54D0D016A790E9B8AF353FDC6287907E26EDF0C28EB0BA9E1BCCC96BA922EE017332C9C7880B61D884C77EEA35501BCE94FD052198806B56CD		
WRTP_Effluent_FEB2016.pdf	Laboratory Analytical Report	2016-03-24T14:03:45-04:00	
Cryptographic Hash Value of File (SHA-512)	9B023277CE22D76C335F1517270386241 2DF295C91A5DA2DCCEB80636F6F50563585FD155665591A90E980BDE481EBB943C0168BC5D28AADAB8D71B9CDA568CB		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ALS_Biweekly N2_FEB2016.PDF	Laboratory Analytical Report	2016-03-24T14:02:04-04:00	
Cryptographic Hash Value of File (SHA-512)	9B737B410C0610A1B5F4D3805AD821C9EC9AA1EC1D29F68462C2EDDE791AE60A4636B34505AEFCCD40365CCDF12C115E34FA77E7B1075B06953C1A10059B4866		
ALS_CBOD20_2-28-16.PDF	Laboratory Analytical Report	2016-03-24T14:01:14-04:00	
Cryptographic Hash Value of File (SHA-512)	6649126CE433C68012F8803F1EA13D7DA06F4B6876E35A304A8844CAE881CAFE6D6B51459F900357E11310E3B18AF2E328BB54AE5425343267CE75A217B7DD4F		
ALS_CBOD20_2-23-26.PDF	Laboratory Analytical Report	2016-03-24T14:00:18-04:00	
Cryptographic Hash Value of File (SHA-512)	C4C69A1FE5E9BDF086F8AECBC632442C522F62AE59B34CE5E5DE821B20117E9F5172EFD8147C9524822BE08E6A7E445A90A1D74D09A1452D6B0175335A5A3959		
ALS_CBOD20_2-2-16.PDF	Laboratory Analytical Report	2016-03-24T13:55:31-04:00	
Cryptographic Hash Value of File (SHA-512)	4B8855B8A553508ECCD519F54B15E21E43FB715D061FEF705F47D7684CF685A8D8F649368B705CA0455627F3DE3F4AF60323BE98E3BC065CEE05707B5932BA5A		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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
29120	02/01/2016	02/29/2016	Total Residual Chlorine (TRC)	Instantaneous Maximum	1.08	1		001	Operator error	Other	Reinforced SOP for disinfection process with operator

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. DiSantis	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	3/24/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	02	01	TO	16	02	29

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

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

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

Michael J. DiSantis **Date:** 03/21/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	02	01	TO	16	29	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 03/21/16

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **February** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				3,409.87	24.42	**832.69**	2,130.41	44.19	**941.45**
		TOTAL:			TOTAL:	832.690		TOTAL:	941.450

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

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

* See Instructions for explanation.

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

Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **March 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: **February** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	42.01			326	114,218	3405.00	1.35	202440		
2	40.47			434	146,484	3470.00	1.30	187180		
3	48.02	391	156,590	588	235,486	3970.00	0.93	158840		
4	44.90			406	152,033	3452.50	1.20	143910		
5	54.29			260	117,722	3360.00	1.68	194160		
6	43.12			114	40,997	5000.00	1.94	152670		
7	36.95			150	46,224	4495.00	2.42	170350		
8	37.26			280	87,010	4035.00	1.29	230950		
9	39.27			236	77,293	3990.00	0.98	227690		
10	39.02	303	98,604	246	80,055	4270.00	1.08	216080		
11	35.37			592	174,632	4465.00	1.15	224880		
12	34.40			510	146,317	4335.00	1.21	230960		
13	33.56			314	87,886	4070.00	1.62	238950		
14	32.60			252	68,515	4385.00	2.36	230910		
15	34.97			251	73,204	3455.00	1.68	227060		
16	57.71			440	211,773	3545.00	1.51	205680		
17	45.06	303	113,868	269	101,090	3860.00	1.48	202510		
18	39.57			260	85,804	4315.00	1.34	171820		
19	37.62			254	79,693	4530.00	1.38	115870		
20	36.35			149	45,171	4925.00	1.39	154630		
21	34.83			114	33,115	4505.00	2.01	179440		
22	35.21			544	159,746	4710.00	1.23	181330		
23	39.12			330	107,666	4285.00	1.29	204020		
24	57.20	234	111,629	398	189,865	3510.00	0.95	145970		
25	65.44			274	149,541	3350.00	1.53	163050		
26	48.01			138	55,256	3680.00	1.66	138270		
27	42.70			52	18,518	4480.00	1.84	217250		
28	38.32			146	46,660	4060.00	2.66	157290		
29	38.15			246	78,270	4170.00	1.53	201360		
30										
31										
Avg	**41.776**	**308**	**120,173**	**296**	**103,801**	**4,072**	**2**	**188,811**		
Max	**65.44**	**391**	**156,590**	**592**	**235,486**	**5,000**	**3**	**238,950**		

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Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **3/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: February Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	35860				80911				190450				307,221	0
2	9650			Headworks	94459				132900				237,009	0
3	37160				92300				111405				240,865	0
4	33850			Headworks	100000			Sludge Thickening	180700			Headworks	314,550	0
5	24736			Headworks	88835			Sludge Thickening	153600			Headworks	267,171	0
6	1500			Headworks	102500			Sludge Thickening				Headworks	104,000	0
7				Headworks				Sludge Thickening				Headworks		
8	34105			Headworks	87267			Sludge Thickening	62934			Headworks	184,306	0
9	49200			Headworks	88115			Sludge Thickening	85168			Headworks	222,483	0
10	19250				99562				83500				202,312	0
11	31850			Headworks	76500			Sludge Thickening	30400			Headworks	138,750	0
12	34050			Headworks	81740			Sludge Thickening	99000			Headworks	214,790	0
13	1000			Headworks	11827			Sludge Thickening				Headworks	12,827	0
14				Headworks				Sludge Thickening				Headworks		
15	19960			Headworks	75311			Sludge Thickening	35000			Headworks	130,271	0
16	33900			Headworks	69100				74763			Headworks	177,763	0
17	26750				84200				118807				229,757	0
18	20650			Headworks	54752			Sludge Thickening	96600			Headworks	172,002	0
19	42660			Headworks	75514			Sludge Thickening	101800			Headworks	219,974	0
20				Headworks				Sludge Thickening	3000			Headworks	3,000	0
21				Headworks				Sludge Thickening				Headworks		
22	13950			Headworks	74500			Sludge Thickening	100800			Headworks	189,250	0
23	30350				82659				75200				188,209	0
24	41550				74641				114400				230,591	0
25	31900			Headworks	86007			Sludge Thickening	67400			Headworks	185,307	0
26	25750			Headworks	75652			Sludge Thickening	119100			Headworks	220,502	0
27	8200			Headworks				Sludge Thickening	6100			Headworks	14,300	0
28				Headworks				Sludge Thickening				Headworks		
29	35175			Headworks	60870			Sludge Thickening	82700			Headworks	178,745	0
30				Headworks				Sludge Thickening				Headworks		
31														
Avg	26,614				79,413				92,423			Monthly Totals:	4,585,955	

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 Maintenace Date: 3/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **February** Year: **2016**
NPDES Permit No.: **PA0027103 A:**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	2211557			Industrial Wastewater			Production Water	
	531017			Form U Residual Waste			Production Water	
	1526768			Grease			Food Processing	
	9954068			Landfill Leachate			Leachate	
	2597831			Food Processing Wastewater			Food Processing	
Total:	16,821,241							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **3/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 2 (select number) Year: 2016
Permit No.: PA0027103 A3 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	CBOD20	TSS	TSS	TDS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead
			1	1	1	1	1	K	1	K	1	1	1	1	1	1	1	1	1
			MGD	CFU/100 ml	S.U.	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	Sat	1/31/16	35.21			9			16	92.73									
	Mon	2/1/16	41.48	44	6.46	13			22	93.29	636.00	< 5	0.21						
	Tue	2/2/16	40.04	32	6.70	10	29	96.29	17	96.06	704.00	< 5	0.29						
	Wed	2/3/16	47.68	24	6.74	21			27	95.41	630.00	< 5	0.46						
	Thu	2/4/16	43.94	48	6.66	4	28	94.80	15	96.31	567.00	< 5	0.22					0.0076	< 0.003
	Fri	2/5/16	63.47	144	6.51	16			18	93.08		< 5	0.22						
	Sat	2/6/16	42.77	92	6.64	11			14	87.72		< 5	0.28						
2	Sun	2/7/16	35.54	3	6.76	8	22	92.34	12	93.00	499.00	< 5	0.28	9.83	4.40	< 0.50	10.70		
	Mon	2/8/16	36.86	22	6.70	8			14	95.00	524.00	< 5	0.25						
	Tue	2/9/16	38.20	50	6.61	13	36	93.91	15	93.64	572.00	< 5	0.20						
	Wed	2/10/16	38.56	19	6.64	14			18	92.86	562.00	< 5	0.44						
	Thu	2/11/16	34.68	17	6.99	15	33	90.29	18	90.90	614.00	< 5	0.40						
	Fri	2/12/16	34.10	47	6.77	15			18	90.86		< 5	0.28						
	Sat	2/13/16	33.09	7	6.80	10			16	94.80		< 5	0.43						
3	Sun	2/14/16	32.29	2	6.76	7	20	94.80	11	95.63		< 5	0.44						
	Mon	2/15/16	34.53	3	6.46	7			12	95.20	587.00	< 5	0.48						
	Tue	2/16/16	57.19	21	6.63	14	34	93.86	14	95.69	574.00	< 5	0.60						
	Wed	2/17/16	45.54	24	6.70	10			16	94.06	670.00	< 5	0.43						
	Thu	2/18/16	39.06	48	6.76	10	26	92.73	11	93.77	675.00	< 5	0.31						
	Fri	2/19/16	37.22	32	6.78	9			10	94.08		< 5	0.33						
	Sat	2/20/16	36.00	5	6.79	7			10	93.29		< 5	0.30						
4	Sun	2/21/16	34.45	8	6.53	5	19	91.48	7	93.80	648.00	< 5	0.28	5.33	6.20	< 0.50	6.50		
	Mon	2/22/16	34.95	3	6.50	7			10	94.18	566.00	< 5	0.35						
	Tue	2/23/16	36.79	4	6.55	10	28	93.70	12	96.36	713.00	< 5	0.41						
	Wed	2/24/16	53.30	22	6.80	13			18	95.96	610.00	< 5	0.42						
	Thu	2/25/16	65.66	100	6.99	18	27	93.33	23	91.61	656.00	< 5	0.28						
	Fri	2/26/16	47.50	28	6.77	12			14	89.86		< 5	0.28						
	Sat	2/27/16	42.80	20	6.80	11			11	78.86		< 5	0.35						
5	Sun	2/28/16	36.57	1	6.76	7	17	92.44	7	88.21	475.00	< 5	1.06						
	Mon	2/29/16	36.21	7	6.81	10			11	90.53	573.00	< 5	0.27						
Daily Minimum (Conc.):				1	6.46	4	15	90.34	7	78.86	495	< 5	0.2	5.33	4.4	< 0.5	6.5	0.0076	< 0.003
Daily Maximum (Conc):				144	6.99	21	36	96.29	27	96.10	874	< 5	1.06	9.83	6.2	< 0.5	10.7	0.0076	< 0.003
Max Avg Weekly (Conc.):						12	28	95.34	18	95.1	706	< 5	0	5.83	6.2	< 0.5	10.7	0.0076	< 0.003
Avg Monthly (Conc.):						11	26	92.17	15	93.97	608	< 5	0.4	7.56	5.3	< 0.5	8.6	0.0076	< 0.003
Geometric Mean (Conc.):				16															
Max Avg Weekly (Load):			40.68			4465	9906		6727		267460	< 1903	142	3064	1751	< 163	3379	3	< 1
Avg Monthly (Load):			41.4			3867	9025		6192		213816	< 1726	128	2208	1583	< 148	2569	3	< 1
Total Monthly (Load):			1189.38			112136	261725		180562		6196160	< 50063	3663	63768	45326	< 4268	74490	91	< 32
Daily Minimum (Load):			32.29			1437	4310		3911		191881	< 1346	95	1931	1346	< 144	1666	3	< 1
Daily Maximum (Load):			65.66			9857	14786		12925		410867	< 2736	347	3064	1751	< 163	3379	3	< 1

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

Prepared By: Micheal DiSantis License No. T0403
Title: Dir. Of Operations and Maintenace Date: 3/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **February** Year: **2016**
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** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **3/13/2015**

Middleton, Vale MAR 2016

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, April 27, 2016 12:04 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 17665 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 17665
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 03/01/2016-03/31/2016
Monitoring Report Due Date : 04/28/2016

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

April 27, 2016

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for March, 2016. All parameters were in compliance during the month.

Parameter averages for March, 2016 were: Flow – 34.74; $cBOD_5$ – 14mg/L; TSS – 15 mg/L; $cBOD_{20}$ % removal – 92.65%; and $cBOD_{20}$ – 8,987 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:vm
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	03/01/2016-03/31/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	**N**
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.45	***	7.04	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4256	5261	lbs/day	***	15	19	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	<1449	***	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	***	***	***	***	13.5	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	1.1	1.1	mg/L	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	***	***	***	***	2.3	2.7	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	***	***	***	***	15.9	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.041	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0016	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.011	***	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	***	***	***	***	.047	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.0015	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	34.74	53.44	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.3	.54	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	626	748	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	>15	84	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4145	7016	lbs/day	***	14	21	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	8987	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	92.65	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	120495	***	lbs/day	***	409	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	86768	***	lbs/day	***	291	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	72286	***	lbs/day	***	243	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
ALS_Biweekly N2_MAR2016.PDF	Laboratory Analytical Report	2016-04-27T10:05:07-04:00	
Cryptographic Hash Value of File (SHA-512)	59D5B972DECE0C55B4FA55167F9EAF41F3BF611FBF37C4744545B1110E6A92788CC3E3D9B795C1056067511AC44555F50C4606660395690DCF82E37ECB823D08		
ALS_cBOD20_3-1-16.PDF	Laboratory Analytical Report	2016-04-27T10:23:02-04:00	
Cryptographic Hash Value of File (SHA-512)	0D72D12DFD5837520DD7D3598A47101FB68CBEF8B4807268A0CCC189CAB0B9CBCF42E5C28B025145073B7C9DE2E2488B234CE3ABF108F67533CC24578F127DCD		
ALS_cBOD20_3-6-16.PDF	Laboratory Analytical Report	2016-04-27T10:23:53-04:00	
Cryptographic Hash Value of File (SHA-512)	0E9880A58898FC0AE1C064CDC82E176CFFDDB28FC2CCE1B4985205D25949C359AAD2C09D99CCAE3FDA568C58AE4FD38BF04E6D78598F057C83A6C7EAA65E67B2		
ALS_cBOD20_3-15-16.PDF	Laboratory Analytical Report	2016-04-27T10:25:36-04:00	
Cryptographic Hash Value of File (SHA-512)	CC493C6BF7A1BF90E11B5C4C157E29070F965149B9446B6373C83E18F5677562BE1ED2678A867BB108FE6EE314E673BC88CD2398EA3353E8424A3DE6E92C45C1		
ALS_cBOD20_3-24-16.PDF	Laboratory Analytical Report	2016-04-27T10:27:32-04:00	
Cryptographic Hash Value of File (SHA-512)	64DC138E8C002FB553A422D51F54ADEB1653DCDB716992AC026407B55D0A7901229168C64D67CF8FA0D2E01FB83FEC2D7FCE834A63006615AE692ED40CFE15F3		
ALS_cBOD20_3-3-16.PDF	Laboratory Analytical Report	2016-04-27T10:23:30-04:00	
Cryptographic Hash Value of File (SHA-512)	FD9937831AD0FA6E56C589CF16114A2F32F23D279CD75B4950A298483DD3ADDCC5F734698AD2EFCD9F4560352236BE5C2045A24D1D7C7C0D5D71A7CC81C38B4B		
ALS_cBOD20_3-8-16.PDF	Laboratory Analytical Report	2016-04-27T10:24:15-04:00	
Cryptographic Hash Value of File (SHA-512)	370CE8D9FC543873C38BFE4F895FC5087938EDBB2DD1EE5D0E6D4D7DC762AA7E2345A2ABB73921096BF1720D7E4A18CC567582B6B1B03D1444DE42EF78214B90		
ALS_cBOD20_3-10-16.PDF	Laboratory Analytical Report	2016-04-27T10:24:41-04:00	
Cryptographic Hash Value of File (SHA-512)	BD1EF99D9358248303A51359589A12C5A5BCE805C1011F8AFCBDCB1BCEF4229E3CE548BE373B7B038FD881B7D9FE54B5B3FF5314860BFB9ABEE03AC155D34F52		
ALS_cBOD20_3-13-16.PDF	Laboratory Analytical Report	2016-04-27T10:25:08-04:00	
Cryptographic Hash Value of File (SHA-512)	30405F7AC49F532AAB822CBB1D806630652906 9D9042D6D50DD599255AE1F3346EB3748FA44DB870ADE77691034F7A4A3A78018AAE88AAE607FAC1E6A249BD9B		
ALS_cBOD20_3-17-16.PDF	Laboratory Analytical Report	2016-04-27T10:26:08-04:00	
Cryptographic Hash Value of File (SHA-512)	1961BDAB371E80FE09C8CDD823C29E4BDDBC04B358C0869E1724AD1AE03B7398B91169C577D2D8C0DBBD210C310A7D9C6FFCD28850CA828D4D7D1B5E591C26E4		
ALS_cBOD20_3-20-16.PDF	Laboratory Analytical Report	2016-04-27T10:26:31-04:00	
Cryptographic Hash Value of File (SHA-512)	710AFEFFF4DDE4959D072B6FD8BFD4CA0164FD3C12B7289BF6B97DC0258F63AC21C931E39328A7F7809E9B0CE7C0A8EBB9850E48B763FEF3C6BC8EA0BEA3E420		
Daily Effluent Monitoring MAR 2016.xlsx	Daily Effluent Monitoring Form	2016-04-27T10:34:16-04:00	
Cryptographic Hash Value of File (SHA-512)	17D51C4C93575300AEA34C2D608A0B4C44A743A38BD9FAD2E86B6EBF4BAB5F63813595E1D27A589A01C15033CE03F78BD7A78CC6726250AFB4E045C6C77E6484		
Sludge Production and Disposal_MAR 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-04-27T09:59:53-04:00	
Cryptographic Hash Value of File (SHA-512)	3CF8F518C7BA58A4C8000ABD28E78BDFD755C4A7C4669D381EA8E9AD5727CBF80830085ED3E2FAED199B44DD2FAF462049F01FEB04AEFF2726BF6AF240D7ACD0		
DMR Laboratory Accreditation-ALS-MAR 2016.doc	Laboratory Accreditation Form	2016-04-27T09:54:27-04:00	
Cryptographic Hash Value of File (SHA-512)	28E5186137C39E421D86EF7DF03460833CEDAA8643940D072848A37D370229D4C9A79F2936375DF544EB4B7D02E6EC60E01743EE4F3641498C3EBFB52D0070B6		
DMR Laboratory Accreditation-WRTP-MAR 2016.doc	Laboratory Accreditation Form	2016-04-27T09:54:44-04:00	
Cryptographic Hash Value of File (SHA-512)	A01C46D857CF3420F3DEC4F8B0DB9F7A462A3E7665FBF96A1768714FFE4886E048BBEB982897A0EBB1A6A7BDF7A1B09229836B387E338ED1B57F86F2CDEFFF7F		
ALS_Biweekly N1_MAR2016.PDF	Laboratory Analytical Report	2016-04-27T09:59:16-04:00	
Cryptographic Hash Value of File (SHA-512)	F3A0A619609FDC1721C9EDDD9B61D01F0366BEDA739FA468E8838B7F1039E985B196F1C178D8CD414EB33B2294988E05DBDA40B2C9655FCA96CD7FBE4249F12D		
WRTP Lab_Influent & Process Control_03-16.pdf	Laboratory Analytical Report	2016-04-27T10:19:53-04:00	
Cryptographic Hash Value of File (SHA-512)	B396A9B96DD1A673ABC9679E8D51CB2927C77E71D714701B84D0379055546D08B16863F1C033B6B60E6383433D7624B7FC3B1DFC4175391CA03A91DE0FB012E4		
ALS_Effluent_MAR2016.PDF	Laboratory Analytical Report	2016-04-27T10:13:59-04:00	
Cryptographic Hash Value of File (SHA-512)	048AC4271D2D12E60CDC45829406E7209CC3384C6E068B407C0C9768FA29C59F4B8F0BB9694AF9AD0F4DF488E2DB310C355AC395DDE4F6F442601DAB82B1FCEF		
Fecal 10% Mar2016.xlsx	Other	2016-04-27T12:00:55-04:00	10% Rule Calculation sheet
Cryptographic Hash Value of File (SHA-512)	C44DC9727D34E68A3933C692EC65AAAA898824BC40876DBBE3AC05668E618F587CDF76570D1815D84EDF02AFF8582BCFE9A47C81E607C76AF74DDF73D800BFFC		
Influent and Process Control_MAR2016.xls	Influent and Process Control Form	2016-04-27T10:20:16-04:00	
Cryptographic Hash Value of File (SHA-512)	831376B1CE66C113985CBBFACC85BD19EE61DF2687301C889E6900DF81994313C59919171C7F42DBBF20D07F4A7EEC23410487B50A7AB24DC0DE0A5F1BEE8EDA		
WRTP_Influent_MAR2016.pdf	Laboratory Analytical Report	2016-04-27T10:22:21-04:00	
Cryptographic Hash Value of File (SHA-512)	5ECAEB469F959AAC3012AE18358591CAFFE0E87D2D09EF0BB9C5F8BFF08D1EAE8CF4D042B3AE82AF6E49E42ECADF91D67F2618008053EB8CF57068256F07C23D		
Hauled In Municipal Waste_MAR2016.xls	Hauled-In Municipal Waste Form	2016-04-27T09:56:50-04:00	
Cryptographic Hash Value of File (SHA-512)	93179A94F59ED8E5F11B39C6C2E873AE7D509F9749EC92CCC06086AD748C8DF961E2C1D31C18592D237400533B763364D312F082A5E18285AFB8C8E7E946EACC		
Hauled In Residual Wastes_MAR2016.xls	Hauled-In Residual Waste Form	2016-04-27T09:57:11-04:00	
Cryptographic Hash Value of File (SHA-512)	6ADEEB9402C138359582A51B0366BC4E60D7CA59115B591C23D66BCD0550D2E7CED2C01AA5673AE98F3C2071C3533F60179AC3BC52D9B02751B7F2BA5600ACDC		
Daily Influent Monitoring MAR 2016.xlsx	Daily Effluent Monitoring Form	2016-04-27T10:32:30-04:00	Daily Influent Monitoring MAR 2016
Cryptographic Hash Value of File (SHA-512)	8A6BFE569A1C61C6C00E2BB7D62CB34552A46E19F2124DC2E5CFDE4677766904AEA313022B1813C4E1E816CC3F444B7FD9A4483D081622BE9D59F6D07B52FDCD		
March 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-04-27T09:58:22-04:00	March 2016 SWMM Report
Cryptographic Hash Value of File (SHA-512)	AEE523A59A10317093BEBFE4F76020813F95C3E5458518B859BBB53DCCE5C5E2ADBF3EA0DBBDF329DCB05D40F2E2BAE406287BBA2996EE1ED9C3E07112A53AE6		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

WRTP_Effluent_MAR2016.pdf	Laboratory Analytical Report	2016-04-27T10:16:11-04:00	
Cryptographic Hash Value of File (SHA-512)	97FBD8E182FE2C31094C1053CF17514373E007FCB58D44A7BBFE49A77E28956F535F6744C30F8CAF66FDD1EC79160A4960A1FB16DBE4509E7B8EA9CDD59E07A7		
ALS_cBOD20_3-27-16.PDF	Laboratory Analytical Report	2016-04-27T10:28:04-04:00	
Cryptographic Hash Value of File (SHA-512)	2E5D81BD14AC921CF93EED00695D6348951957E2489AAF18A03B8F28D535550C244CCB04E27F772FF32A337648CB8C55D83F6634EE98ADC51D36ABCA16EF9C03		
ALS_cBOD20_3-29-16.PDF	Laboratory Analytical Report	2016-04-27T10:28:38-04:00	
Cryptographic Hash Value of File (SHA-512)	D84C9749F00637F49CD1038F8F4B85EFB6804654018 0299B1C917A6C56D9B10A94DB74E3C3FAE6912E4880C3A818E496D8E25A88811F2065E83E95C6D83951E7		
ALS_cBOD20_3-31-16.PDF	Laboratory Analytical Report	2016-04-27T10:29:08-04:00	
Cryptographic Hash Value of File (SHA-512)	C2B51532A373A527FAFC0C34ED7D89D04C52772D3391CC3B759542E122242108250551E453C3E27772336CA0CA57BB2355FE7DC6FD69BE64087B62358772605D		
DMR Cover Letter MAR 2016.doc	Cover Letter	2016-04-27T12:02:28-04:00	
Cryptographic Hash Value of File (SHA-512)	6AEB96E8BCF7F47AB4CB14DFADD8CAD44D965E8B717E05F03C55FBCB17A93439E32EA3EE67D37DDE45E19FB1CC322AD01F2E1E8A234CEF37E006A3613EC33735		
ALS_cBOD20_3-22-16.PDF	Laboratory Analytical Report	2016-04-27T10:27:00-04:00	
Cryptographic Hash Value of File (SHA-512)	23C44AD68B9717D4CCE87C8B8FC68A2D5B5950CE7D789FD6895ECB93F587D82C0C21D690EAA24EEE2C9D19C5EE6B91F7F6F3AB3D05FB681A760FC2E0D4025944		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	4/27/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	03	01	TO	16	03	31

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

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

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

Michael J. DiSantis **Date:** 04/21/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	03	01	TO	16	03	31

PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER[2]
BOD5/cBOD5	SM5210 B	DELCORA - Central Laboratory	23-00671
TSS	SM 2540 D	DELCORA - Central Laboratory	23-00671
O&G	EPA 1664 A	DELCORA - Central Laboratory	23-00671
Total Residual Cl	SM4500-Cl G	DELCORA - Central Laboratory	23-00671
N-Nitrite	SM4500-NO2 B	DELCORA - Central Laboratory	23-00671
NH3-N	EPA 350.1	DELCORA - Central Laboratory	23-00671
TKN-N	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 04/28/2016

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **March** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				3,536.99	24.17	**854.89**	3,027.56	34.44	**1,042.82**
		TOTAL:			TOTAL:	854.890		TOTAL:	1,042.820

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

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

* See Instructions for explanation.

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **April 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: **March** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	37.24			298	92,553	3690.00	1.31	189940		
2	38.50	482	154,765	480	154,123	4175.00	1.16	185450		
3	35.60			256	76,007	4955.00	1.34	161490		
4	36.00			239	71,757	4490.00	1.46	218290		
5	34.53			213	61,340	4195.00	1.60	167450		
6	34.47			144	41,397	4820.00	2.47	170800		
7	36.07			262	78,816	4560.00	1.50	170620		
8	34.75			290	84,046	4065.00	1.24	186630		
9	34.15	291	82,880	282	80,317	4520.00	1.32	238670		
10	33.49			352	98,316	4580.00	1.31	239720		
11	33.78			356	100,294	5000.00	1.11	236870		
12	34.32			188	53,811	4870.00	1.42	204890		
13	34.97			166	48,414	4785.00	1.51	200330		
14	55.01			334	153,234	4420.00	1.33	209190		
15	42.58			268	95,171	3840.00	1.40	178280		
16	38.18	377	120,045	234	74,511	4315.00	1.07	204090		
17	36.21			310	93,617	4440.00	1.11	224220		
18	34.55			644	185,567	4280.00	1.30	197900		
19	33.08			258	71,179	4145.00	2.19	208450		
20	33.58			138	38,648	3670.00	2.82	189770		
21	33.82			332	93,644	4045.00	1.37	223630		
22	33.06			286	78,856	4240.00	0.98	173230		
23	33.57	399	111,710	296	82,872	4150.00	0.97	220830		
24	33.44			356	99,285	3645.00	1.09	228680		
25	32.67			230	62,668	4070.00	1.01	209060		
26	32.05			184	49,183	4190.00	1.38	188310		
27	32.74			212	57,887	4480.00	1.43	220100		
28	39.38			348	114,293	2605.00	1.01	182860		
29	33.65			378	106,082	3950.00	0.89	234560		
30	32.30	494	133,075	372	100,210	5000.00	0.91	203390		
31	33.53			328	91,722	4220.00	0.97	150390		
Avg	**35.525**	**409**	**120,495**	**291**	**86,768**	**4,271**	**1**	**200,584**		
Max	**55.01**	**494**	**154,765**	**644**	**185,567**	**5,000**	**3**	**239,720**		

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

Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **4/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: March Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	38510				89500				84400				212,410	0
2	42685			Headworks	55508				122400				220,593	0
3	28600				99488				43935				172,023	0
4	26050			Headworks	75431			Sludge Thickening	96700			Headworks	198,181	0
5				Headworks	96700			Sludge Thickening				Headworks	96,700	0
6				Headworks				Sludge Thickening				Headworks		
7	17800			Headworks	61718			Sludge Thickening	84600			Headworks	164,118	0
8	27550			Headworks	88614			Sludge Thickening	41200			Headworks	157,364	0
9	25700			Headworks	79903			Sludge Thickening	88800			Headworks	194,403	0
10	29300				86187				70800				186,287	0
11	22700			Headworks	74760			Sludge Thickening	58000			Headworks	155,460	0
12	3600			Headworks				Sludge Thickening	6500			Headworks	10,100	0
13				Headworks				Sludge Thickening				Headworks		
14	36910			Headworks	67412			Sludge Thickening	65700			Headworks	170,022	0
15	17650			Headworks	87775			Sludge Thickening	97900			Headworks	203,325	0
16	34620			Headworks	80451				160700			Headworks	275,771	0
17	50900				86977				76723				214,600	0
18	28850			Headworks	87509			Sludge Thickening	84400			Headworks	200,759	0
19				Headworks	6500			Sludge Thickening	16700			Headworks	23,200	0
20				Headworks				Sludge Thickening				Headworks		
21	41050			Headworks	74063			Sludge Thickening	44650			Headworks	159,763	0
22	37900			Headworks	76100			Sludge Thickening	99200			Headworks	213,200	0
23	35850				79051				140100				255,001	0
24	59650				86847				197250				343,747	0
25	42870			Headworks	48723			Sludge Thickening	95970			Headworks	187,563	0
26	4400			Headworks				Sludge Thickening				Headworks	4,400	0
27				Headworks				Sludge Thickening				Headworks		
28	39360			Headworks	81100			Sludge Thickening	40550			Headworks	161,010	0
29	25300			Headworks	105436			Sludge Thickening	133400			Headworks	264,136	0
30	42100			Headworks	78809			Sludge Thickening	124000			Headworks	244,909	0
31	35500				61168				144170				240,838	0
Avg	31,816				76,629				88,750			Monthly Totals:	4,929,883	

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 4/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **March** Year: **2016**
NPDES Permit No.: **PA0027103 A:**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	2367283			Industrial Wastewater			Production Water	
	436782			Form U Residual Waste			Production Water	
	1522971			Grease			Food Processing	
	10200617			Landfill Leachate			Leachate	
	2240415			Food Processing Wastewater			Food Processing	
Total:	16,768,068							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **4/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0433 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 3 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow MGD	Fecal Coliform CFU/100 ml	pH S.U.	CBOD5 mg/L	CBOD20 mg/L	CBOD20 %	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
		Stage	1	1	1	1	1	K	1	K	1	1	1	1	1	1	1	1	1
			MGD	CFU/100 ml	S.U.	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	Sun	2/28/16	36.57			7			7	95.21									
	Mon	2/29/16	38.21			10			11	95.53									
	Tue	3/1/16	37.39	7	6.53	10	22	96.06	13	96.04	628.00	< 5	0.38						
	Wed	3/2/16	38.03	23	7.04	13			15	96.08	577.00	< 5	0.50					0.011	< 0.005
	Thu	3/3/16	36.49	184	6.88	12	22	96.34	12	95.31	587.00	< 5	0.13						
	Fri	3/4/16	35.63	28	6.68	18			12	94.58		< 5	0.26						
	Sat	3/5/16	34.16	4	6.95	12			13	93.50		< 5	0.53						
2	Sun	3/6/16	34.04	6	6.73	8	25	90.57	11	92.38	595.00	< 5	0.19						
	Mon	3/7/16	35.72	6	6.71	8			12	95.42	588.00	< 5	0.31						
	Tue	3/8/16	34.23	3	6.82	10	42	94.38	12	95.08	671.00	< 5	0.33	13.30	2.70	1.10	17.30		
	Wed	3/9/16	33.93	6	6.75	11			12	95.74	662.00	< 5	0.44						
	Thu	3/10/16	32.88	3	6.79	19	61	92.77	18	95.45	640.00	< 5	0.51						
	Fri	3/11/16	32.78	11	6.74	12			11	96.91		< 5	0.37						
	Sat	3/12/16	33.89	42	6.67	7			11	94.15		< 5	0.54						
3	Sun	3/13/16	34.02	8	6.59	8	21	88.77	11	93.37	655.00	< 5	0.54						
	Mon	3/14/16	53.44	> 2400	6.51	19			22	93.41	523.00	< 5	0.19						
	Tue	3/15/16	41.58	38	6.90	38	70	89.98	17	93.86	598.00	< 5	0.28						
	Wed	3/16/16	37.45	23	6.82	40			13	94.44	654.00	< 5	0.22						
	Thu	3/17/16	35.71	29	6.80	23	38	91.66	14	95.48	662.00	< 5	0.20						
	Fri	3/18/16	33.87	17	6.78	14			15	97.67		< 5	0.20						
	Sat	3/19/16	32.41	8	6.81	7			12	96.35		< 5	0.44						
4	Sun	3/20/16	33.03	3	6.95	8	19	87.69	13	90.59	532.00	< 5	0.40	13.70	1.90	1.00	14.50		
	Mon	3/21/16	33.34	4	6.92	10			14	95.70	528.00	< 5	0.28						
	Tue	3/22/16	32.90	13	6.71	12	28	93.00	14	95.10	667.00	< 5	0.28						
	Wed	3/23/16	32.75	2	6.70	12			15	94.93	664.00	< 5	0.37						
	Thu	3/24/16	32.63	18	6.84	9	23	95.37	14	96.07		< 5	0.43						
	Fri	3/25/16	31.80	3	6.79	9			12	94.70		< 5	0.48						
	Sat	3/26/16	31.17	8	6.98	6			14	92.39		< 5	0.36						
5	Sun	3/27/16	30.77	16	6.48	6	22	91.41	16	92.92	564.00	< 5	0.21						
	Mon	3/28/16	37.53	23	6.45	21			25	92.82	576.00	< 5	0.48						
	Tue	3/29/16	32.42	84	6.94	21	35	94.71	21	94.44	700.00	< 5	0.39						
	Wed	3/30/16	31.08	23	6.95	18			23	93.62	746.00	< 5	0.52						
	Thu	3/31/16	31.23	128	6.85	12	31	94.28	17	94.22	738.00	< 5	0.14						
	Fri	4/1/16	31.60			15			19	94.20									
	Sat	4/2/16	32.23			12			15	91.36									
Weekly Stat. Rpt.																			
Daily Minimum (Conc.):				2	6.45	6	19	87.69	11	90.48	523	< 5	0.1	13.3	1.9	1	14.5	0.011	< 0.005
Daily Maximum (Conc):				> 2400	7.04	40	70	98.37	25	97.67	746	< 5	0.54	13.7	2.7	1.1	17.2	0.011	< 0.005
Max Avg Weekly (Conc.):						21	42	96.3	19	96.36	672	< 5	0	13.7	2.7	1.1	17.2	0.011	< 0.005
Avg Monthly (Conc.):						14	31	92.85	15	94.86	626	< 5	0.3	13.5	2.3	1.1	15.9	0.011	< 0.005
Geometric Mean (Conc.):				> 15															
Max Avg Weekly (Load):	38.37					7016	13048		6291		205527	< 1600	108	3787	771	314	4919	3	< 1
Avg Monthly (Load):	34.74					4145	8887		4358		183572	< 1449	97	3785	647	285	4482	3	< 1
Total Monthly (Load):	1076.52					128548	276492		131550		5690740	< 44908	3007	117347	20066	8137	138889	108	< 29
Daily Minimum (Load):	30.77					1705	5334		3607		148550	< 1263	36	3774	523	275	3884	3	< 1
Daily Maximum (Load):	53.44					13171	24283		8806		233068	< 3228	199	3787	771	314	4919	3	< 1

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

Prepared By: Micheal DiSantis License No.: TD403
Title: Dir. Of Operations and Maintenace Date: 4/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **March** Year: **2016**
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	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** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **4/12/2016**

	Fecal
1	2400
2	184
3	128
4	84
5	42
6	38
7	38
8	29
9	23
10	23
11	23
12	23
13	18
14	17
15	16
16	13
17	11
18	8
19	8
20	8
21	7
22	6
23	6
24	6
25	4
26	4
27	3
28	3
29	3
30	3
31	2

Middleton, Vale APR 2016

From: depgreenporthelpdesk@state.pa.us
Sent: Friday, May 27, 2016 8:01 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 20292 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 20292
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 04/01/2016-04/30/2016
Monitoring Report Due Date : 05/28/2016

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

May 27, 2016

SUBMITTED ONLINE VIA PADEP eDMR SYSTEM

Steven O'Neil
Regional Manager – Water Management
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Dear Mr. O'Neil:

Enclosed are DELCORA's Discharge Monitoring Report, Laboratory Data Reports, and CSO Report for April, 2016. All parameters were in compliance during the month.

Parameter averages for April, 2016 were: Flow – 31.97; $cBOD_5$ – 8 mg/L; TSS – 12 mg/L; $cBOD_{20}$ % removal – 93.11%; and $cBOD_{20}$ – 5,907 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:vm
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	04/01/2016-04/30/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.44	***	6.89	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	3170	4410	lbs/day	***	12	16	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	<1333	***	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	***	***	***	***	<.77	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	.44	.8	mg/L	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	***	***	***	***	9.85	12.7	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	***	***	***	***	3.22	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.031	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.012	***	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	***	***	***	***	.07	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.001	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	31.97	40.58	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.81	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	616	734	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	30	920	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	2113	2636	lbs/day	***	8	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	5907	***	lbs/day	***	***	***	***	24-Hr Composite	1/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	93.11	***	***	%	24-Hr Composite	1/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	92192	***	lbs/day	***	335	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	91012	***	lbs/day	***	327	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	68039	***	lbs/day	***	244	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
ALS_cBOD20_4-17-16.PDF	Laboratory Analytical Report	2016-05-27T10:02:47-04:00	
Cryptographic Hash Value of File (SHA-512)	9BE0692F84668C31E29592DF9139EA6B1E070A95DD8CDD8EEFD849D09790529071C2088D6C19B53256832EEE7FA0C4335A621E2426180321627331A9E2C0DFAA		
Daily Effluent Monitoring APR 2016.xlsx	Daily Effluent Monitoring Form	2016-05-27T09:54:53-04:00	
Cryptographic Hash Value of File (SHA-512)	0E836EFF1F5B930D567AE37AD01E745BDDAA4A50960A6CDCDF6F0483755600BE4A5A1D122F7DE8255473C90A0D647B5231A59F67837519943B7AD7FCA3FE0A3C		
Influent and Process Control_APR2016 xls	Influent and Process Control Form	2016-05-27T09:56:35-04:00	
Cryptographic Hash Value of File (SHA-512)	4F38385B8D0244DB6C6A7A45AF04B5949B2AB0B4F1AE7894E9B737FE24B08469827901A056A22EB12635D93843381DF1AA9824BCB1305F9A18E043B49EBB6A95		
Sludge Production and Disposal_MAR 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-05-27T09:56:54-04:00	
Cryptographic Hash Value of File (SHA-512)	7D8F9B58D9598888AC8FA348D5126A8EC554CDFEB76BB93ADE0D8873AFF4ABA7364AABE74B689C72BF5D84F3E4A150294308AAADDEA5114A9C1CA7F63F469A38		
DMR Laboratory Accreditation-WRTP-APR 2016.doc	Laboratory Accreditation Form	2016-05-27T09:57:38-04:00	
Cryptographic Hash Value of File (SHA-512)	33F154CAD37E575F423B16C91080CE58FBE82D84CFC399E85E0FA0B3ED15D20C00AF566B886AE05B4DC3DB1A276F0AA1A8FC8780557BA597CACFA854F55E0228		
ALS_Effluent_APR 2016.PDF	Laboratory Analytical Report	2016-05-27T09:58:24-04:00	
Cryptographic Hash Value of File (SHA-512)	530009534B9A073B36D7D5D1404BD8D6788F6D01B26619E9DF03BC936B36AC05C087335B8963D1DA80734211648D843D8FE6AD913C5D99E8DEAEF70F5B7E5FD9		
WRTP_Effluent_APR 2016.pdf	Laboratory Analytical Report	2016-05-27T09:59:01-04:00	
Cryptographic Hash Value of File (SHA-512)	BE23DC0939C4B3DEF618D0E1484290F06004FF03DE7D9ACA199535EAE808F1D3815EC9352F0300EB1B066071652F9D2684C5DED2C89E672281E100B53EE0F274		
WRTP_Influent_APR 2016.pdf	Laboratory Analytical Report	2016-05-27T09:59:21-04:00	
Cryptographic Hash Value of File (SHA-512)	C1D6FC509758EA6F0AB35EF26E38776F15C4B596611EDBACD50F884B3BA65AE389B58BCB28579FE97F90BD60AC30042513CED7B2BC08696DBCA30CFB8FA76B92		
ALS_cBOD20_4-21-16.PDF	Laboratory Analytical Report	2016-05-27T10:03:32-04:00	
Cryptographic Hash Value of File (SHA-512)	63D187DCAAF167E0FF757BA5074848C78760486037DA8A7BA1B197701AFC8BE7453701788043B8374EB778128F68C194ECA8F51EB2DD5FFE37E330F134A55564		
ALS_cBOD20_4-7-16.PDF	Laboratory Analytical Report	2016-05-27T10:00:56-04:00	
Cryptographic Hash Value of File (SHA-512)	871ECD9B11E6690AE925CED40AB7BA571A76308220E551DCD3314E7D28E8088C7313F85516622FE9AA939D02F24711CCCE9841E35E7CEA669694A77D0A79E241		
ALS_cBOD20_4-10-16.PDF	Laboratory Analytical Report	2016-05-27T10:01:39-04:00	
Cryptographic Hash Value of File (SHA-512)	234077E94073706402B8E93A0F7B344E90E873CA5A15500B5D5462FE1498DB1FED1C3D59BAC61E0FEDC9F7825217511E4117DF9BBA4A825DDEE4DF9C46CC0AC4		
ALS_cBOD20_4-14-16.PDF	Laboratory Analytical Report	2016-05-27T10:02:24-04:00	
Cryptographic Hash Value of File (SHA-512)	79A0285D8F2181472862E599E0EA01B1D7AC79B19F30AE1E55FA13B95F150E279D23DFFA098827D7A1173C4420B03E683D0997071EDB6DD3BFBFF603A9ED415A		
ALS_cBOD20_4-24-16.PDF	Laboratory Analytical Report	2016-05-27T10:03:56-04:00	
Cryptographic Hash Value of File (SHA-512)	548094D49BD5A9E6A5F0C10B95E9E19A0AFB20F02DDF59B3CEBC748330F6FBE5B1F1D0D94F0A28C0549C53076B27164A8F22DC1EAF39E03E8EE3F1981F0910A0		
April 2016 SWMM Report.xlsx	Other	2016-05-27T09:54:26-04:00	SWMM Report
Cryptographic Hash Value of File (SHA-512)	CB864DCFFD07AFFC4504A321680479733EA84BBBF041A44331704E9331898C4943D0F04D7C9D769C482329D74CD3FF347418A7D7E5870DBF6956530FD473BB2D		
Daily Influent Monitoring APR 2016 xlsx	Other	2016-05-27T09:55:39-04:00	Daily Influent Monitoring APR 2016
Cryptographic Hash Value of File (SHA-512)	793D5F2F482F3A4710671022F8B09CC6CEFFD94761B0DEBC4E2554BAAC23A03299ECA1199FFD3E93CD3DEB3DD5BDC3BD0469D38220E2B83D364C7B986A29EE84		
WRTP Lab_Influent & Process Control_APR2016.pdf	Laboratory Analytical Report	2016-05-27T09:58:41-04:00	
Cryptographic Hash Value of File (SHA-512)	8FD2C7D59B6F2C97506921C329AAF4DDE95330E4745389B6683A59633D596BAAB5C2C6577A8057ED16EED4D749333551F62946B68F44AE324AEE7A0E2B2866ED		
ALS_cBOD20_4-28-16.PDF	Laboratory Analytical Report	2016-05-27T10:05:47-04:00	
Cryptographic Hash Value of File (SHA-512)	730AAB70B0859C82F3CBE7909FCF96184F25968E5E4692E9173F74491E612DE22591B92295273DBC1AF6F384E04CC654DA72F3845EF4284427791261E8E7839D		
Hauled In Residual Wastes_APR2016.xls	Hauled-In Residual Waste Form	2016-05-27T09:56:18-04:00	
Cryptographic Hash Value of File (SHA-512)	2DED618A3CD37ABA32B9D8E0BC207845A12A19DE107FDD8AB1927852F3DBBCC3A0860B3EC7BD7260CDC71406D16D71C88AC35527678B00D35D74A334B279A7B9		
ALS_cBOD20_4-3-16.PDF	Laboratory Analytical Report	2016-05-27T10:00:10-04:00	
Cryptographic Hash Value of File (SHA-512)	A9E293FEED8E0E777B03F1FCF87A56F8759B3A37DD534C672A49A901E92B5AE6734D5262F9616DDBC4E90C54C36054FFADF6E483AD7539E99E2C7D5155306963		
Hauled In Municipal Waste_APR2016 xls	Hauled-In Municipal Waste Form	2016-05-27T09:56:00-04:00	
Cryptographic Hash Value of File (SHA-512)	C4581C761FAE5F214C8C82A000F1BDC215DCE3B3B23A6AE49F56F45B5B844A8C78EC34AA12C5994F3274B967C2BA4F9C6DFC5A004E7BB8ED6F8BAFC7D394B5B1		
DMR Laboratory Accreditation-ALS-APR 2016.doc	Laboratory Accreditation Form	2016-05-27T09:57:20-04:00	
Cryptographic Hash Value of File (SHA-512)	6DBEE04A4B975866ADD64329B3390A10430249F336AB4BB9AE586E50CEEE65A17287123DEA1468404FB11E4A7DA1661309C29538D5B083903624744654C32094		
ALS_cBOD20_4-19-16.PDF	Laboratory Analytical Report	2016-05-27T10:03:08-04:00	
Cryptographic Hash Value of File (SHA-512)	CDCD86006398C5B449A3C65F536E074385B0C29F984EF26AC3F78A508867284B1571E74F72627A4C5F804CC2776ECF3595133D70599D0AC9FE57B5D1948CDF20		
ALS_cBOD20_4-5-16.PDF	Laboratory Analytical Report	2016-05-27T10:00:34-04:00	
Cryptographic Hash Value of File (SHA-512)	A2CB628F0EEB910C02375ACE01836951E5C6108B82DF9BA9417F10C37E518036C4FF5E79D69E6D45DDB7D543AA8A836DE5A6942278F3342632939211A560710E		
ALS_cBOD20_4-12-16.PDF	Laboratory Analytical Report	2016-05-27T10:02:02-04:00	
Cryptographic Hash Value of File (SHA-512)	6F93B2B35EE435447F0EBBA21F395C149B0704F4F76A28BF76A19B92A3070DE783B4191F2738CD15DD93D69A0468EF736D4616B51C90851CA90BC360E7051882		
DMR Cover Letter APR 2016.doc	Cover Letter	2016-05-27T20:00:32-04:00	
Cryptographic Hash Value of File (SHA-512)	62CCDB6E2F157DE30733464A47E5BB1751D9D8684CDDD00B771EDC02764B7E8ABBB291EA59F05DE47DBB52178C8C35BD9E23B5015AAC98BC89DCF237B9A0A88B		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ALS_cBOD20_4-26-16.PDF	Laboratory Analytical Report	2016-05-27T10:05:15-04:00	
Cryptographic Hash Value of File (SHA-512)	568149EB64C0DEA91D4CCD4AFDEAFDD00428E2A693698F1F7C31AB885682158E7EF6CCE2FF981CA56BE3B0D20B0DDE55BA8BA2169 7D77702FC3A092E1F62E89E		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	5/27/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	04	01	TO	16	04	30

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

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

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

Michael J. DiSantis **Date:** 05/21/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	04	01	TO	16	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

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

Michael J. DiSantis **Date:** 05/28/2016

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **April** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				3,313.54	24.66	**817.12**	3,027.56	34.44	**1,042.82**
		TOTAL:			TOTAL:	**817.120**		TOTAL:	**1,042.820**

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

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

* See Instructions for explanation.

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **May 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: **April** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	33.46			333	92,926	3795.00	0.96	225090		
2	33.97			174	49,296	3890.00	1.14	245750		
3	33.12			174	48,062	3305.00	1.38	222870		
4	34.87			412	119,816	2750.00	1.07	235630		
5	30.98			402	103,866	2995.00	1.14	169120		
6	33.38	286	79,619	364	101,334	3605.00	1.21	0		
7	35.32			382	112,525	3515.00	1.22	0		
8	33.72			530	149,049	3540.00	1.33	0		
9	42.31			200	70,573	3615.00	1.73	0		
10	36.67			186	56,884	3710.00	2.88	147220		
11	33.91			340	96,155	3600.00	1.42	95170		
12	39.78			158	52,419	4090.00	1.02	192440		
13	34.09	354	100,646	394	112,018	4050.00	1.27	137630		
14	33.41			410	114,242	3965.00	1.45	143710		
15	32.37			488	131,743	4165.00	1.37	168560		
16	31.72			280	74,073	4210.00	1.49	191060		
17	32.13			172	46,090	3920.00	2.24	185320		
18	32.43			330	89,254	3415.00	1.37	195660		
19	32.84			310	84,905	3055.00	1.39	161660		
20	33.03	301	82,917	290	79,886	4125.00	1.26	215040		
21	31.80			424	112,450	4105.00	1.27	215530		
22	31.12			370	96,030	4010.00	1.14	204250		
23	33.46			266	74,229	4265.00	1.31	151700		
24	31.41			188	49,248	4060.00	2.15	208540		
25	32.67			436	118,796	3420.00	1.67	156690		
26	35.77			382	113,959	3770.00	1.33	175730		
27	31.73	399	105,587	400	105,851	4350.00	1.45	205520		
28	30.53			394	100,320	4615.00	1.43	238080		
29	35.03			410	119,782	4360.00	1.53	235490		
30	31.47			208	54,592	4810.00	1.70	218180		
31										
Avg	**33.617**	**335**	**92,192**	**327**	**91,012**	**3,836**	**1**	**164,721**		
Max	**42.31**	**399**	**105,587**	**530**	**149,049**	**4,810**	**3**	**245,750**		

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Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **5/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: April Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	37000			Headworks	74823			Sludge Thickening	84200			Headworks	196,023	0
2	9250			Headworks	96900			Sludge Thickening				Headworks	106,150	0
3														
4	41750			Headworks	67448			Sludge Thickening	197401			Headworks	306,599	0
5	42150			Headworks	87862			Sludge Thickening	266000			Headworks	396,012	0
6	47450			Headworks	85712			Sludge Thickening	173100			Headworks	306,262	0
7	36400			Headworks	112360			Sludge Thickening	213800			Headworks	362,560	0
8	37850			Headworks	81028			Sludge Thickening	200706			Headworks	319,584	0
9	6720			Headworks				Sludge Thickening	10600			Headworks	17,320	0
10														
11	25600			Headworks	61420			Sludge Thickening	27350			Headworks	114,370	0
12	48300			Headworks	24947			Sludge Thickening	116600			Headworks	189,847	0
13	49250			Headworks	31050			Sludge Thickening	131100			Headworks	211,400	0
14	13950			Headworks	18601			Sludge Thickening	173300			Headworks	205,851	0
15	20650			Headworks	37935			Sludge Thickening	78450			Headworks	137,035	0
16				Headworks								Headworks		
17														
18	29175			Headworks	65163			Sludge Thickening	78900			Headworks	173,238	0
19	37060			Headworks	72600			Sludge Thickening	122000			Headworks	231,660	0
20	48600			Headworks	91458			Sludge Thickening	111300			Headworks	251,358	0
21	34450			Headworks	65679			Sludge Thickening	181640			Headworks	281,769	0
22	24700			Headworks	80325			Sludge Thickening	164025			Headworks	269,050	0
23									5000				5,000	0
24														
25	65950			Headworks	67406			Sludge Thickening	128350			Headworks	261,706	0
26	39300			Headworks	92938			Sludge Thickening	95840			Headworks	228,078	0
27	40550			Headworks	91701			Sludge Thickening	165245			Headworks	297,496	0
28	42250			Headworks	104363			Sludge Thickening	121800			Headworks	268,413	0
29	25250			Headworks	112765			Sludge Thickening	128374			Headworks	266,389	0
30	7400			Headworks				Sludge Thickening	3800			Headworks	11,200	0
31														
Avg	33,792				73,840				124,969			Monthly Totals:	5,414,370	

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Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Operations and Maintenace Date: 5/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **April** Year: **2016**
NPDES Permit No.: **PA0027103 A:**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	*Address*	*State*		
	4307383			Industrial Wastewater			Production Water	
	597567			Form U Residual Waste			Production Water	
	2817523			Grease			Food Processing	
	10589258			Landfill Leachate			Leachate	
	4274244			Food Processing Wastewater			Food Processing	
Total:	22,585,975							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **5/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 4 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Parameter		Flow	Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
	Stage		1	1		1		1		1		K		1		K		1		1		1		2		1		1		1		1		1	
Week	Day	Date	MGD	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Fri	4/1/16	31.40	320		6.60		13						19		94.20			<	5		0.30													
	Sat	4/2/16	32.33	37		6.87		12						15		91.38			<	5		0.23													
1	Sun	4/3/16	31.85	56		6.80		10		33		91.82		15		91.38		693.00	<	5		0.30													
	Mon	4/4/16	33.44	25		6.80		10						16		88.12		686.00	<	5		0.28													
	Tue	4/5/16	33.71	134		6.84		10		39		95.20		16		90.07		702.00	<	5		0.24										0.012	<	0.003	
	Wed	4/6/16	32.85	16		6.92		8						18		93.60		718.00	<	5		0.23													
	Thu	4/7/16	34.11	15		6.73		8		11		89.22		15		96.07		673.00	<	5		0.32													
	Fri	4/8/16	32.29	27		6.60		9						14		97.38			<	5		0.31													
	Sat	4/9/16	32.89	8		6.90		10						15		91.00			<	5		0.67													
2	Sun	4/10/16	35.15	35		6.59		8		15		93.30		11		94.00		390.00	<	5		0.39		1.04		4.19		0.80		3.85					
	Mon	4/11/16	32.88	12		6.97		6						12		96.67		588.00	<	5		0.43													
	Tue	4/12/16	33.59	2400		6.69		8		40		94.00		16		95.41		667.00	<	5		0.22													
	Wed	4/13/16	32.87	148		6.92		5						11		97.21		716.00	<	5		0.45													
	Thu	4/14/16	32.98	4		6.59		6		7		97.27		14		96.59		690.00	<	5		0.81													
	Fri	4/15/16	30.66	17		6.63		5						13		97.34			<	5		0.43													
	Sat	4/16/16	30.38	23		6.80		6						10		96.43			<	5		0.40													
3	Sun	4/17/16	30.40	4		6.49		5		11		97.35		8		95.35		542.00	<	5		0.47													
	Mon	4/18/16	31.26	22		6.44		5						9		97.27		543.00	<	5		0.48													
	Tue	4/19/16	30.57	26		6.57		6		32		96.84		9		97.10		668.00	<	5		0.41													
	Wed	4/20/16	30.71	17		6.66		7						9		96.90		693.00	<	5		0.41													
	Thu	4/21/16	29.25	35		6.63		6		8		98.05		9		97.69		721.00	<	5		0.49													
	Fri	4/22/16	30.06	37		6.73		5						9		97.97			<	5		0.45													
	Sat	4/23/16	31.27	33		6.71		7						8		96.96			<	5		0.30													
4	Sun	4/24/16	29.17	27		6.80		5		11		94.94		7		96.28		514.00	<	5		0.44	<	0.50		12.70		0.07		2.79					
	Mon	4/25/16	31.37	25		6.59		5						8		98.17			<	5		0.29													
	Tue	4/26/16	34.22	41		6.60		7		33		98.29		11		97.12		653.00	<	5		0.34													
	Wed	4/27/16	29.30	14		6.69		6						8		96.90		705.00	<	5		0.53													
	Thu	4/28/16	28.98	31		6.51		6		15		98.52		7		98.22		794.00	<	5		0.38													
	Fri	4/29/16	33.08	37		6.65		10						8		96.96				5		0.28													
	Sat	4/30/16	28.01	3		6.80		9						6		98.15			<	5		0.50													
5																																			
Daily Minimum (Conc.):				4		6.44		5		6		94		7		96.01		390	<	5		0.09	<	0.5		6.98		0.07		2.79		0.012	<	0.003	
Daily Maximum (Conc.):				2400		6.98		15		59		97.38		19		98.22		734		5		0.81		1.04		12.7		0.8		3.85		0.012	<	0.003	
Max Avg Weekly (Conc.):								9		34		96.39		18		97.43		646	<	5		0		1.04		12.7		0.8		3.85		0.012	<	0.003	
Avg Monthly (Conc.):								8		22		93.11		12		96.9		698	<	5		0.4	<	0.77		8.35		0.44		3.22		0.012	<	0.003	
Geometric Mean (Conc.):				30																															
Max Avg Weekly (Load):			33.88					2936		9635				4410				172000	<	1367		118		306		3080		238		1071		3	<	0.7	
Avg Monthly (Load):			31.97					2613		9010				3110				140863	<	1333		102	<	213		2870		126		878		3	<	0.7	
Total Monthly (Load):			990.18					81340		177217				96866				4019156	<	39997		3400	<	6402		71196		3775		26245		90	<	22	
Daily Minimum (Load):			28.18					1211		1496				1000				111408	<	1192		34	<	122		2891		17		878		3	<	0.7	
Daily Maximum (Load):			40.38					3963		14819				6361				211408	<	1992		221		306		3080		238		1071		3	<	0.7	

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 5/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **April** Year: **2016**
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	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	No	
021	9th & Sproul	Yes	
022	6th & Sproul	Yes	
023	3rd & Edgmont	No	
024	3rd & Dock	No	
025	5th & Penn	Yes	
026	7th & Penn	No	
032	2nd & Avenue of the States	No	
033	Elkington Blvd. and Ridley Creek	No	

Copy this report as needed to include more CSO outfalls.

** See Instructions for explanation.*

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

Prepared By: **Michael J. DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **5/10/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 4 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow 1 MGD	Q	TSS 40 mg/L	Q	BOD5 15 mg/L	Q	CBOD5 mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
	Fri	4/1/16	30.46		330				516																													
	Sat	4/2/16	33.97		174				234																													
1	Sun	4/3/16	33.11		176				114																													
	Mon	4/4/16	34.87		412				438																													
	Tue	4/5/16	30.66		402				408																													
	Wed	4/6/16	32.36		384		286		193																													
	Thu	4/7/16	32.32		362				271																													
	Fri	4/8/16	30.52		530				395																													
	Sat	4/9/16	42.76		209				159																													
2	Sun	4/10/16	36.67		189				132																													
	Mon	4/11/16	32.91		340				227																													
	Tue	4/12/16	36.78		198				195																													
	Wed	4/13/16	34.18		384		384		273																													
	Thu	4/14/16	30.41		410				328																													
	Fri	4/15/16	32.97		486				301																													
	Sat	4/16/16	31.72		290				162																													
3	Sun	4/17/16	32.13		172				119																													
	Mon	4/18/16	32.49		336				308																													
	Tue	32.84		316					220																													
	Wed	4/20/16	35.53		290		301		227																													
	Thu	4/21/16	31.80		424				309																													
	Fri	4/22/16	31.12		370				250																													
	Sat	4/23/16	33.49		205				151																													
4	Sun	4/24/16	31.41		185				133																													
	Mon	4/25/16	32.67		436				254																													
	Tue	28.77		362					216																													
	Wed	4/27/16	31.73		490		283		308																													
	Thu	4/28/16	36.53		394				272																													
	Fri	4/29/16	35.23		410				429																													
	Sat	4/30/16	31.47		206				206																													
5																																						
Calculations for Limits																																						
Daily Minimum (Conc.):					118		204		114																													
Daily Maximum (Conc):					530		308		428																													
Max Avg Weekly (Conc.):					362		308		283																													
Avg Monthly (Conc.):					327		336		244																													
Geometric Mean (Conc.)																																						
Max Avg Weekly (Load):	34.61		[illegible]		[illegible]		[illegible]		74832																													
Avg Monthly (Load):	30.32		[illegible]		[illegible]		[illegible]		[illegible]																													
Total Monthly (Load):	1000.5		[illegible]		[illegible]		[illegible]		[illegible]																													
Daily Minimum (Load):	26.53		[illegible]		[illegible]		[illegible]		[illegible]																													
Daily Maximum (Load):	42.31		[illegible]		[illegible]		[illegible]		123322																													

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 5/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: April Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	33.46			333	92,926	3795.00	0.96	225090		
2	33.97			174	49,296	3890.00	1.14	245750		
3	33.12			174	48,062	3305.00	1.38	222870		
4	34.87			412	119,816	2750.00	1.07	235630		
5	30.98			402	103,866	2995.00	1.14	169120		
6	33.38	286	79,619	364	101,334	3605.00	1.21	0		
7	35.32			382	112,525	3515.00	1.22	0		
8	33.72			530	149,049	3540.00	1.33	0		
9	42.31			200	70,573	3615.00	1.73	0		
10	36.67			186	56,884	3710.00	2.88	147220		
11	33.91			340	96,155	3600.00	1.42	95170		
12	39.78			158	52,419	4090.00	1.02	192440		
13	34.09	354	100,646	394	112,018	4050.00	1.27	137630		
14	33.41			410	114,242	3965.00	1.45	143710		
15	32.37			488	131,743	4165.00	1.37	168560		
16	31.72			280	74,073	4210.00	1.49	191060		
17	32.13			172	46,090	3920.00	2.24	185320		
18	32.43			330	89,254	3415.00	1.37	195660		
19	32.84			310	84,905	3055.00	1.39	161660		
20	33.03	301	82,917	290	79,886	4125.00	1.26	215040		
21	31.80			424	112,450	4105.00	1.27	215530		
22	31.12			370	96,030	4010.00	1.14	204250		
23	33.46			266	74,229	4265.00	1.31	151700		
24	31.41			188	49,248	4060.00	2.15	208540		
25	32.67			436	118,796	3420.00	1.67	156690		
26	35.77			382	113,959	3770.00	1.33	175730		
27	31.73	399	105,587	400	105,851	4350.00	1.45	205520		
28	30.53			394	100,320	4615.00	1.43	238080		
29	35.03			410	119,782	4360.00	1.53	235490		
30	31.47			208	54,592	4810.00	1.70	218180		
31										
Avg	**33.617**	**335**	**92,192**	**327**	**91,012**	**3,836**	**1**	**164,721**		
Max	**42.31**	**399**	**105,587**	**530**	**149,049**	**4,810**	**3**	**245,750**		

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

Prepared By: **Micheal DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenace** Date: **5/28/2016**

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, June 27, 2016 10:14 AM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 22169 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 22169
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 05/01/2016-05/31/2016
Monitoring Report Due Date : 06/28/2016

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

June 27, 2016

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 May, 2016. All parameters were in compliance during the month.

Parameter averages for May, 2016 were: Flow – 37.28; $cBOD_5$ – 7 mg/L; TSS – 12 mg/L; $cBOD_{20}$ % removal – 95.76%; and $cBOD_{20}$ – 4,969 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:smf
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	05/01/2016-05/31/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.38	***	6.83	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	3870	4423	lbs/day	***	12	13	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	<1555	***	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	***	***	***	***	1.23	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.32	<.5	mg/L	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	***	***	***	***	4.81	6.4	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	***	***	***	***	3.23	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.036	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0055	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.009	***	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	***	***	***	***	.045	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.0018	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	37.28	63.22	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.55	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	527	687	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	23	176	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	2346	3247	lbs/day	***	7	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	4969	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	95.76	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	107901	***	lbs/day	***	370	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	95701	***	lbs/day	***	304	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	71613	***	lbs/day	***	234	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
Daily Effluent Monitoring MAY 2016.xlsx	Daily Effluent Monitoring Form	2016-06-24T08:21:23-04:00	
Cryptographic Hash Value of File (SHA-512)	3B7360DBDC075714755731F47366983A60E3ABA0FED153625E4111E22C9D4E06F8A177CF72C2AA91DC4199746752864B948F2AB771ED22781DB5182B6BF188B5		
Hauled In Municipal Waste_MAY2016.xls	Hauled-In Municipal Waste Form	2016-06-24T08:22:29-04:00	
Cryptographic Hash Value of File (SHA-512)	BF39D412026CFC0D42CDE66692A91793C05D5DB6327FCFA320240B7804F4AE9E678457CEC23E6265235EF04131F81F788D0266E185E82C1D5C4C0AD6A76F1BE4		
Influent and Process Control_MAY2016.xls	Influent and Process Control Form	2016-06-24T08:23:40-04:00	
Cryptographic Hash Value of File (SHA-512)	272E524B1841B9A6E6B9D056BA16DA1CFBD91DBAD5AE7F0B499EF53901BDEC08501DE2791A29D396C4D484A23BF1D0FAED2D08DC4C6F0C69471737E6CDC1D582		
ALS_cBOD20_5-31-16.PDF	Laboratory Analytical Report	2016-06-24T08:34:36-04:00	
Cryptographic Hash Value of File (SHA-512)	281CA07773CDF06A5F942E30D33BDEC0D88EC17C460749A7E0F64D355BBBEFA6CB19C9D2EBD1B26CC563FFB23AD86232797B6C798BA14F1DA0546A0C7050D840		
DMR Cover Letter May 2016.doc	Cover Letter	2016-06-27T10:13:52-04:00	
Cryptographic Hash Value of File (SHA-512)	E47FBA08D88D551C7A4F7B8F6848D6C83E97EF1CEE47A3A7503778CD1805D1D90CC6547E86D0D1552AA5C9FB153A81C332D3D415B9B3EC8EF1DFAE461EF33B06		
ALS_cBOD20_5-3-16.PDF	Laboratory Analytical Report	2016-06-24T08:28:48-04:00	
Cryptographic Hash Value of File (SHA-512)	1D87E1D2F89BCE98D1B650923782E0EFB8E7A4FC39C132CCDFED350F9F04D1CD2BCA8708EA434563AE1847CB0B5DD44CE2C3671A96E19FA7475AA1D1A36EDF0B		
ALS_cBOD20_5-5-16.PDF	Laboratory Analytical Report	2016-06-24T08:29:29-04:00	
Cryptographic Hash Value of File (SHA-512)	42FE882489A3F1A78B1BB947C1628800C7F7538EEF984546C03315AAA450B1A563C3510BFD04530168386F41AD1064E2A56F6A8BF4201F5920E7CB31599300E		
Sludge Production and Disposal_MAY 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-06-24T08:24:04-04:00	
Cryptographic Hash Value of File (SHA-512)	1B78F5CC585FEF93A2AF5F8C8F08F1D0DCDE8646294DDB608A752936881C531DC66A7673A6A6D9128DB1C345EF70B6199C2F4893A505E261B1835973C7164B02		
ALS_Effluent_May2016.PDF	Laboratory Analytical Report	2016-06-24T08:25:49-04:00	
Cryptographic Hash Value of File (SHA-512)	638AEA934210307BB57328A32433904B8DC4259596A066B75F60832E6D7EAB161FB61CD6042D71C0C8F1FE32FF1E797C773ECE9A3606F5BF054C3DBCD394BBDF		
WRTP_Influent_May2016.pdf	Laboratory Analytical Report	2016-06-24T08:27:13-04:00	
Cryptographic Hash Value of File (SHA-512)	EE9224D75A9C234502A95DB1999A8AB4A41C9CF63D8F6A496F2C5F1837C00B432DBF7A41C3A9E41934B86F5FB1E6FA03410BF7DF9466FEB4563D18A2ED3198B9		
ALS_cBOD20_5-1-16.PDF	Laboratory Analytical Report	2016-06-24T08:28:03-04:00	
Cryptographic Hash Value of File (SHA-512)	12054555801F0D3B3706A59EE8FE64DB1390010DC85A2966B2035EC784F74E39AFF16774DAC39D018DC4ACE5B6591BE930D87823FC03DF6C835B3D5033804C9D		
May 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-06-27T08:24:32-04:00	
Cryptographic Hash Value of File (SHA-512)	82087675D8A9C41AA1488CE80AA5385A57364495E3BE4BE2A8DB50B92B3478DB3235ACA2849F80B9962B9A613585BA02E390C70D35A97D269A636C40116F1C38		
Hauled in Waste May2016.xlsx	Other	2016-06-24T08:23:20-04:00	Hauled in Waste May2016
Cryptographic Hash Value of File (SHA-512)	3A48792894D9A9464B11D6598EB302E4CCF262470052992229 8C6C338C0744B2FB68CEE65032DA2F387D8CB2D3E649686A55AC32ECE2E1C822C5073D3D0E010		
ALS_cBOD20_5-8-16.PDF	Laboratory Analytical Report	2016-06-24T08:29:51-04:00	
Cryptographic Hash Value of File (SHA-512)	80D21B7149D1C5A9F27A053CA7143302F46291AF074A812A909B41D14E80B9F72D4B662A7E00A63BDAA7055594F086C6D3F0CB6897D4E9908489A74C71CFDDE2		
ALS_cBOD20_5-12-16.PDF	Laboratory Analytical Report	2016-06-24T08:31:17-04:00	
Cryptographic Hash Value of File (SHA-512)	06D5BA2A7FD73988C580D4C9900C7ECA08C90C28D9C872318B57429E79F7171F26F818D1684FB5D484CC4F8731689C34823BD12E0C909537DB24457F25B32DF5		
ALS_cBOD20_5-15-16.PDF	Laboratory Analytical Report	2016-06-24T08:31:41-04:00	
Cryptographic Hash Value of File (SHA-512)	A54A16612FBD4BD8162156C4D0094A27BB24DC59EF40C0911659D66078E2532FDCD2DA825F1FC251A009A32C5518E15AFC855F086D84A1B28226D08A93287DAF		
ALS_cBOD20_5-17-16.PDF	Laboratory Analytical Report	2016-06-24T08:32:05-04:00	
Cryptographic Hash Value of File (SHA-512)	B4B8B57E67032BB05562C4BDB0B1AD7FA6A206BA8FDD0EA552A23F8D4331B80AA4B46DA03084A6FB773E2452A7E3176B08DABD6028D09BAC55BAF5E148288184		
ALS_cBOD20_5-19-16.PDF	Laboratory Analytical Report	2016-06-24T08:32:28-04:00	
Cryptographic Hash Value of File (SHA-512)	4A631C746506BA3D9BDE21FC87991484E10FE96FF30F6CC46A60D249B786855EF03971B540DC84C05964B4F2EE8DDAA72434A93C83160057021FEE9D01EEF38E		
Hauled In Residual Wastes_MAY2016.xls	Hauled-In Residual Waste Form	2016-06-24T08:22:48-04:00	
Cryptographic Hash Value of File (SHA-512)	EA85FD551821DA7E884B918A3377FC55234CE548188E496FC4818844E902B0C933E40B146776028F8C5CDB9C74B095700E6DF2D3B790A8E837F4EA595E47C73B		
Daily Influent Monitoring MAY 2016.xlsx	Other	2016-06-24T08:22:08-04:00	Daily Influent Monitoring MAY 2016
Cryptographic Hash Value of File (SHA-512)	59340EE28689BD36570739124E75628E53145A1A508317A95D495BC64B78C2DDF02B02C85B7F68B587CF0549882BD19A7185D690DA585E7DC4FFFE6DCAD5E554		
ALS_cBOD20_5-10-16.PDF	Laboratory Analytical Report	2016-06-24T08:30:54-04:00	
Cryptographic Hash Value of File (SHA-512)	D5C9000478F817B19B6A42908C95AA530D690B2D0B51382BFFD7E642779DE18E0FB68411BB3EA78D127F1F69C93BFC61862C7749C6028DD23EF0BCA1AC7D84B2		
ALS_cBOD20_5-24-16.PDF	Laboratory Analytical Report	2016-06-24T08:33:11-04:00	
Cryptographic Hash Value of File (SHA-512)	A87E3FACAE79E221C8CDC37DDAC17804F4CC41F5119ECD43B6BFB7FD264DA5319011BAFA07865A5A468E1ECFEB4AC7DA489DF311D948AFE598104219D7E546EA		
ALS_cBOD20_5-26-16.PDF	Laboratory Analytical Report	2016-06-24T08:33:37-04:00	
Cryptographic Hash Value of File (SHA-512)	4627320D25E361C6CC222EEE2F04D3ABE1F5C1C1E9E02C2ADE18E51C1B7FEB27934BF8C7170FD277A3A5DD296154B86BE8E69E5FF663FA0C4C1F0B2D578574E7		
ALS_cBOD20_5-22-16.PDF	Laboratory Analytical Report	2016-06-24T08:32:50-04:00	
Cryptographic Hash Value of File (SHA-512)	ACFD40D4A09213C71C63595FBFFBBA800EE53669DAA27DF75C56443D6EF55330D6E7C7D4550F8ADF79E066A2EE6739B546D37970757C04EDA951A2B5A6A928C1		
DMR Laboratory Accreditation-ALS-May 2016.doc	Laboratory Accreditation Form	2016-06-24T08:24:25-04:00	
Cryptographic Hash Value of File (SHA-512)	9B95E1ED47DBDD04E3E3B515FAA0833B9207729242FA5A6D165A29A9076A8D9B1F57BD396C2A32192D9E7614CC8B8471DEC296651FAC30F4096A76460521 3262		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

DMR Laboratory Accreditation-WRTP-May 2016.doc	Laboratory Accreditation Form	2016-06-24T08:24:43-04:00	
Cryptographic Hash Value of File (SHA-512)	1EB8AD19ABE52F6883D2BEEE3D4487CA1CCD698DEBD67521CF4D31B67DBD51134C9203625FDB7CCB7F8E774513AEDBCCA5514FB4AAEABF9FCFA7BD3BE7806881		
ALS_Biweekly N_May2016.PDF	Laboratory Analytical Report	2016-06-24T08:25:28-04:00	
Cryptographic Hash Value of File (SHA-512)	0AB1DEFBB71D0E160CFD0926F5D3CA9A1DB78403F0AFD2CDA255853EE0C63EB28DA179AD4FDF6EAE1E345784EDC3E06BC0FFF7D7A00B22A9FBD0CDA16D161C32		
WRTP Lab_Influent & Process Control_MAY2016.pdf	Laboratory Analytical Report	2016-06-24T08:26:10-04:00	
Cryptographic Hash Value of File (SHA-512)	19827F6FE025B2BEC3B33AC7BE5788A668E1B513A64CFFF17ADFB5C0F11953C7E6DC57FAE50D4116F7BA7461AFBD29CD011820AAF133E531FECA1C4C7999887B		
WRTP_Effluent_May2016.pdf	Laboratory Analytical Report	2016-06-24T08:26:30-04:00	
Cryptographic Hash Value of File (SHA-512)	F918BC110BC715650231D6175E1E362AB46B6177D784441EDC6CD7F38D0ACF65880FA01816F6A1B193C16F92EFFB14EEE322B8F9C91D8DBC94825B387BA415D0		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	6/27/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	05	01	TO	16	05	31

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

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

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

Michael J. DiSantis **Date:** 06/21/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	05	01	TO	16	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

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

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

Michael J. DiSantis **Date:** 06/28/2016

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: May Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				3,586.34	23.64	847.81	2,916.50	37.56	1,095.41
		TOTAL:			TOTAL:	847.810		TOTAL:	1,095.410

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

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

* See Instructions for explanation.

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

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: June 28, 2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: May Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	39.03			178	57,941	4710.00	1.95	211640		
2	34.09			610	173,429	4385.00	1.51	233570		
3	46.60			167	64,904	2790.00	1.44	222510		
4	36.65	427	130,517	364	111,261	4695.00	1.39	224960		
5	35.21			336	98,667	5000.00	1.41	226410		
6	58.74			400	195,957	4665.00	1.49	202640		
7	51.00			226	96,127	3865.00	2.56	190010		
8	40.70			126	42,769	4500.00	2.30	219870		
9	38.59			294	94,621	4855.00	1.50	239850		
10	34.87	363	105,566	382	111,092	4935.00	1.39	236950		
11	34.88			328	95,415	5000.00	1.39	196890		
12	33.39			314	87,440	5000.00	1.31	222270		
13	34.45			438	125,843	5000.00	1.09	198160		
14	33.62			258	72,341	5000.00	1.39	205070		
15	32.29			146	39,318	5000.00	1.91	193030		
16	33.66			368	103,307	4180.00	1.48	208680		
17	34.30			414	118,430	4765.00	1.27	203330		
18	32.14	409	109,631	370	99,178	4920.00	1.30	206480		
19	31.84			513	136,225	4725.00	1.22	209360		
20	30.93			384	99,055	4920.00	1.32	224870		
21	43.85			306	111,907	4895.00	1.23	224380		
22	53.31			102	45,350	3860.00	2.12	189210		
23	44.56			262	97,367	4240.00	1.37	191930		
24	39.47			340	111,921	4435.00	1.40	187880		
25	36.52	282	85,891	314	95,637	4255.00	1.61	176640		
26	33.37			430	119,671	4325.00	1.30	223990		
27	32.11			258	69,092	4565.00	1.11	224440		
28	30.76			182	46,690	4375.00	1.31	216940		
29	33.94			182	51,517	4185.00	1.46	226160		
30	63.75			206	109,525	2495.00	1.50	206310		
31	43.80			232	84,748	3685.00	1.61	169990		
Avg	38.788	370	107,901	304	95,701	4,459	2	210,143		
Max	63.75	427	130,517	610	195,957	5,000	3	239,850		

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

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

License No.: T0403
Date: 6/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: May Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1														
2	43355			Headworks	61270			Sludge Thickening	127650			Headworks	232,275	0
3	42575			Headworks	75544			Sludge Thickening	119100			Headworks	237,219	0
4	31850			Headworks	91502			Sludge Thickening	99500			Headworks	222,852	0
5	34350			Headworks	128009			Sludge Thickening	200900			Headworks	363,259	0
6	39150			Headworks	120225			Sludge Thickening	102900			Headworks	262,275	0
7	5600			Headworks	97500			Sludge Thickening					103,100	0
8														
9	25500			Headworks	85825			Sludge Thickening	154800			Headworks	266,125	0
10	54000			Headworks	86527			Sludge Thickening	193400			Headworks	333,927	0
11	33942			Headworks	98291			Sludge Thickening	109800			Headworks	242,033	0
12	24050			Headworks	83697			Sludge Thickening	179900			Headworks	287,647	0
13	43850			Headworks	69307			Sludge Thickening	108600			Headworks	221,757	0
14	5500			Headworks									5,500	0
15														
16	33610			Headworks	79400			Sludge Thickening	100800			Headworks	213,810	0
17	27250			Headworks	68430			Sludge Thickening	125500			Headworks	221,180	0
18	25200			Headworks	72896			Sludge Thickening	171700			Headworks	269,796	0
19	28250			Headworks	79657			Sludge Thickening	117632			Headworks	225,539	0
20	23500			Headworks	70049			Sludge Thickening	128360			Headworks	221,909	0
21	3000			Headworks									3,000	0
22														
23	42100			Headworks	59460			Sludge Thickening	106100			Headworks	207,660	0
24	32500			Headworks	107955			Sludge Thickening	107250			Headworks	247,705	0
25	30450			Headworks	60679			Sludge Thickening	147100			Headworks	238,229	0
26	30100			Headworks	64428			Sludge Thickening	203800			Headworks	298,328	0
27	34900			Headworks	39575			Sludge Thickening	89900			Headworks	164,375	0
28	12860			Headworks	42935			Sludge Thickening				Headworks	55,795	0
29														
30														
31	21400			Headworks	52014			Sludge Thickening	127700			Headworks	201,114	0
Avg	29,154				78,630				134,563			Monthly Totals:	5,346,409	

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

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

License No.: T0403
Date: 6/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: **May** Year: **2016**
NPDES Permit No.: **PA0027103 A3**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **April 30, 2018**

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
	2254478			Industrial Wastewater			Production Water	
	284109			Form U Residual Waste			Production Water	
	1645850			Grease			Food Processing	
	3462966			Landfill Leachate			Leachate	
	2303406			Food Processing Wastewater			Food Processing	
Total:	9,950,809							

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Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Operations and Maintenace** Date: **6/28/2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-PM-BPNPSM0435 4/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 5 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Week	Day	Date	Flow (MGD)	Q	Fecal Coliform (CFU/100 ml)	Q	pH (S.U.)	Q	CBOD5 (mg/L)	Q	CBOD20 (mg/L)	Q	CBOD20 (%)	Q	TSS (mg/L)	Q	TSS (%)	Q	TDS (mg/L)	Q	Oil and Grease (mg/L)	Q	TRC (mg/L)	Q	NH3-N (mg/L)	Q	NO3-N (mg/L)	Q	NO2-N (mg/L)	Q	TKN (mg/L)	Q	Total Copper (mg/L)	Q	Total Lead (mg/L)	Q
		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Stage	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
1	Sun	5/1/16	37.10		36		6.36		8		10		97.11		10		94.39		471.00	<	5		0.54													
	Mon	5/2/16	32.48		29		6.44		5						8		96.99		470.00	<	5		0.46													
	Tue	5/3/16	44.18		178		6.45		8		38		95.49		15		94.01		538.00	<	5		0.21													
	Wed	5/4/16	34.38		4		6.50		11						8		97.60		629.00	<	5		0.47										0.009	<	0.003	
	Thu	5/5/16	32.79		33		6.65		7		14		97.14		8		97.62		658.00	<	5		0.34													
	Fri	5/6/16	56.23		42		6.65		15						22		94.60			<	5		0.39													
	Sat	5/7/16	48.12		37		6.69		10						18		92.04			<	5		0.33													
2	Sun	5/8/16	38.18		7		6.72		5		12		94.28		9		92.86		529.00	<	5		0.31		0.40		6.40	<	0.60		2.10					
	Mon	5/9/16	35.81		3		6.46		6						7		97.62		601.00	<	5		0.65													
	Tue	5/10/16	32.67		100		6.62		6		12		96.78		9		97.04		687.00	<	5		0.24													
	Wed	5/11/16	33.07		14		6.62		7						10		96.95		649.00	<	5		0.39													
	Thu	5/12/16	31.80		5		6.68		4		11		97.40		11		96.50		623.00	<	5		0.47													
	Fri	5/13/16	33.10		17		6.75		6						10		97.72			<	5		0.30													
	Sat	5/14/16	31.94		50		6.68		5						8		96.90			<	5		0.14													
3	Sun	5/15/16	30.50		30		6.63		4		11		95.11		7		95.21		510.00	<	5		0.22													
	Mon	5/16/16	31.50		7		6.42		7						12		96.74		511.00	<	5		0.42													
	Tue	5/17/16	32.97		40		6.76		7		20		95.65		13		96.69		483.00	<	5		0.42													
	Wed	5/18/16	30.99		39		6.58		7						10		97.30		657.00	<	5		0.34													
	Thu	[illegible]	30.78		9		6.67		10		16		97.58		12		97.49		578.00	<	5		0.39													
	Fri	5/20/16	30.42		9		6.64		7						10		97.40			<	5		0.47													
	Sat	5/21/16	41.28		35		6.73		9						16		94.77			<	5		0.23													
4	Sun	5/22/16	54.01		118		6.62		11		21		96.76		19		91.37		374.00	<	5		0.45		2.08		3.21		0.13		4.35					
	Mon	5/23/16	44.10		36		6.67		8						14		94.66		466.00	<	5		0.47													
	Tue	5/24/16	38.95		28		6.70		8		10		96.86		14		95.88		566.00	<	5		0.34													
	Wed	5/25/16	38.21		104		6.69		5						11		96.50		577.00	<	5		0.23													
	Thu	5/26/16	32.87		19		6.51		7		21		96.77		11		97.44		608.00	<	5		0.32													
	Fri	5/27/16	31.36		38		6.76		7						10		96.12			<	5		0.23													
	Sat	5/28/16	29.85		2		6.63		5						10		94.51			<	5		0.21													
5	Sun	5/29/16	32.58		11		6.68		6						14		92.31			<	5		0.41													
	Mon	5/30/16	63.22		120		6.53		8						19		90.78		398.00	<	5		0.60													
	Tue	5/31/16	42.09		20		6.51		6		8		94.74		15		93.53		513.00	<	5		0.51													
		Summary																																		
		Daily Minimum (Conc.):			2		6.38		4		8		89.76		7		91.37		374	<	5		0.14		0.4		3.21		0.13		2.1		0.008	<	0.003	
		Daily Maximum (Conc):			178		6.83		16		38		97.80		22		98.60		687	<	5		0.65		2.08		6.4	<	0.6		4.35		0.009	<	0.003	
		Max Avg Weekly (Conc.):							9		21		96.86		13		95.6		598	<	5		0		2.08		6.4	<	5.6		4.35		0.009	<	0.003	
		Avg Monthly (Conc.):							7		16		96.76		12		96.3		537	<	5		0.4		1.23		4.51	<	0.32		3.23		0.008	<	0.003	
		Geometric Mean (Conc.):			23																															
		Max Avg Weekly (Load):	40.74						3347		6876				4423				171987	<	1899		130		928		2038	<	199		1859		3	<	0.9	
		Avg Monthly (Load):	37.33						2346		4969				3870				160958	<	1555		115		525		1742	<	109		1314		3	<	0.9	
		Total Monthly (Load):	1155.77						72728		154052				119953				4989660	<	48193		3572		16357		53999	<	3378		40736		80	<	27	
		Daily Minimum (Load):	29.85						1917		2799				1781				97035	<	1248		37		127		1446		69		669		3	<	0.9	
		Daily Maximum (Load):	63.22						7803		14002				16317				229647	<	2638		264		928		2038	<	199		1859		3	<	0.9	

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 6/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 5 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		TSS		BOD5		CBOD5																															
		Stage	1		RI		RI		RI																															
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Sun	5/1/16	38.03		178				141																															
	Mon	5/2/16	34.09		650				508																															
	Tue	5/3/16	48.60		167				117																															
	Wed	5/4/16	36.85		364		427		363																															
	Thu	5/5/16	35.31		336				250																															
	Fri	5/6/16	50.74		400				237																															
	Sat	5/7/16	61.00		228				128																															
2	Sun	5/8/16	40.70		126				89																															
	Mon	5/9/16	38.59		284				235																															
	Tue	5/10/16	34.67		382		363		282																															
	Wed	5/11/16	34.65		328				291																															
	Thu	5/12/16	33.39		314				257																															
	Fri	5/13/16	34.46		438				235																															
	Sat	5/14/16	33.83		258				136																															
3	Sun	5/15/16	32.29		148				113																															
	Mon	5/16/16	33.86		365				325																															
	Tue	5/17/16	34.30		414				436																															
	Wed	[illegible]	32.14		370		409		301																															
	Thu	5/19/16	31.84		513				352																															
	Fri	5/20/16	30.93		384				305																															
	Sat	5/21/16	43.85		306				235																															
4	Sun	5/22/16	53.31		102				87																															
	Mon	5/23/16	44.50		182				164																															
	Tue	5/24/16	38.47		340				237																															
	Wed	5/25/16	38.82		314		283		211																															
	Thu	5/26/16	33.37		430				298																															
	Fri	5/27/16	32.11		206				109																															
	Sat	5/28/16	30.78		182				99																															
5	Sun	5/29/16	33.64		182				120																															
	Mon	5/30/16	63.75		208				70																															
	Tue	5/31/16	43.80		222				98																															
Daily Minimum (Conc.):					102		283		70																															
Daily Maximum (Conc):					616		427		508																															
Max Avg Weekly (Conc.):					387		427		345																															
Avg Monthly (Conc.):					304		370		234																															
Geometric Mean (Conc.):																																								
Max Avg Weekly (Load):			43.58		114041		130917		94489																															
Avg Monthly (Load):			38.79		96701		117991		71513																															
Total Monthly (Load):			1202.42		2944143		3656915		2216588																															
Daily Minimum (Load):			30.78		38518		86861		38197																															
Daily Maximum (Load):			63.75		190867		130917		144256																															

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 6/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **May** Year: **2016**
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	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** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **6/8/2016**

Bonnett, Barbara

From: depgreenporthelpdesk@state.pa.us
Sent: Wednesday, July 27, 2016 3:35 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 24683 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 24683
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 06/01/2016-06/30/2016
Monitoring Report Due Date : 07/28/2016

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

July 27, 2016

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, 2016. All parameters were in compliance during the month.

Parameter averages for June, 2016 were: Flow – 32.24; $cBOD_5$ – 5 mg/L; TSS – 8 mg/L; $cBOD_{20}$ % removal – 97.07%; and $cBOD_{20}$ – 2,831 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:bab
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	06/01/2016-06/30/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			**Final Effluent**		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.33	***	6.84	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	2199	4419	lbs/day	***	8	13	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	<1372	***	lbs/day	***	<5	8	mg/L	Grab	1/day
	Permit Measurement	5500 Avg Mo	***		***	15 Avg Mo	30 IMAX		Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	<.68	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.45	.50	mg/L	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	***	***	***	***	9.72	9.84	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	***	***	***	***	1.87	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.015	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0017	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.011	***	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	***	***	***	***	.039	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.002	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	32.24	38.04	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.59	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	628	794	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	22	116	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	1242	2101	lbs/day	***	5	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	2831	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	97.07	***	***	%	24-Hr Composite	1/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	78739	***	lbs/day	***	291	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	92706	***	lbs/day	***	333	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	63243	***	lbs/day	***	228	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter June 2016.doc	Cover Letter	2016-07-27T15:34:36-04:00	
Cryptographic Hash Value of File (SHA-512)	4419DEFB31504E1F2501D28812940C6954E2ACFBCB2BBC60A963E4D8E0E4969ACD78ED2AADB9D58A8DA80387E620C0DE12E453FDAE06863A55286369074BF020		
Daily Effluent Monitoring JUNE 2016.xlsx	Daily Effluent Monitoring Form	2016-07-27T13:20:25-04:00	
Cryptographic Hash Value of File (SHA-512)	2CFC0F8CA072FC8DC194DB8185E0590B932CF5FCAF983F606F09F78470C3BE82B406CF2DB9D33926663F552C3862B6B24AD11328E013D4A238C046F0FD56800A		
Daily Influent Monitoring JUNE 2016.xlsx	Daily Effluent Monitoring Form	2016-07-27T13:20:55-04:00	Daily Influent Monitoring JUNE 2016
Cryptographic Hash Value of File (SHA-512)	7DC410B690468ED35E9A7461ECEAB3BBBC13D7F69B4B8F454950DF42B6D5815262103A633A693DC2BE9BD307D0766F12D3CC6746ACD7A1E55439B9F5E6BE0340		
DMR Laboratory Accreditation-WRTP-June 2016.doc	Laboratory Accreditation Form	2016-07-27T13:24:42-04:00	
Cryptographic Hash Value of File (SHA-512)	126C84DE77F5E754809D7561F50AA1E5057864892833F736C8AFBCC26624632A47F709D4B273903BDB6CC53665E60FCC38D82B0DBD26006F3CC0D02FC77AA9B6		
DMR Laboratory Accreditation-ALS-June 2016.doc	Laboratory Accreditation Form	2016-07-27T13:24:14-04:00	
Cryptographic Hash Value of File (SHA-512)	44E9FBC1D3C692EDE471D602DA540091657F572572D3F813516761081DF8F6F7E5D7DC7093E91B505891B59A88FD5BFDB0279265A669A997F49E3E005E35CD53		
Hauled In Municipal Waste_June2016.xls	Hauled-In Municipal Waste Form	2016-07-27T13:21:18-04:00	
Cryptographic Hash Value of File (SHA-512)	A19AAF1CEB0EA5D8FEF7D3E52A95CD5A598E34B24CF1081F2799D8DC0D22F3D0768DAD6E1475C4A36B31C6425DBD89BC3147EC5406D73F27335EDBDEDD0C92AA		
Hauled In Residual Wastes_JUNE2016.xls	Hauled-In Residual Waste Form	2016-07-27T13:21:42-04:00	
Cryptographic Hash Value of File (SHA-512)	E7DBBEE2AF64C55145E6A32AAB6C5FC1B2BBE1298A05B21CE0A06EBF9B867B2F3DD118C31F20C6CCA199156E34FB0A46732BD81E8C639D5914283EB77B3EE502		
Influent and Process Control_JUNE2016.xls	Influent and Process Control Form	2016-07-27T13:22:25-04:00	
Cryptographic Hash Value of File (SHA-512)	88772B8FCE31AC5189C494CECC5C74B0DB3C10BABEA61F56C805357BD7090398D05C8A836CCB975E0181C73FAFFA58A5E9FB8A8B07254F7152E7199F6F85BF48		
Sludge Production and Disposal_June 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-07-27T13:23:47-04:00	
Cryptographic Hash Value of File (SHA-512)	0B9AEBD736CFB5BB048D57A636E4D331E7680016D5C6A7BE95C32CA54E8BDD45EF026BAFEF67E5AE29903738EF24F1820EBD969D9009A5CEA2E4DDBE465A00E7		
June 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-07-27T13:23:25-04:00	
Cryptographic Hash Value of File (SHA-512)	3996178B5AB22A955266452C6F4DE52333DE8978FA37911129457B4B69CEB71EF4146E0289590E6E45A2D95563DEA55F4E50604A9037829C8950F1B84176E615		
Hauled in Waste June 2016.xlsx	Other	2016-07-27T13:22:03-04:00	Hauled in Waste June 2016
Cryptographic Hash Value of File (SHA-512)	071F02A8875A78805844B8BB3BF4E62DDE5B15A6FB6C2861D643087EFDD3E4279F7D49E7216CE6485F20A8D598AE6A8E33385844A523CB773D104DF47620AB41		
ALS_CBOD20_6-30-16.PDF	Laboratory Analytical Report	2016-07-27T13:37:42-04:00	
Cryptographic Hash Value of File (SHA-512)	2EC8DC14955902E501B77EA73E3352BBE24E6762A4CFB2D9EC173173A7C106391448D17CF30E4055066F0745A1F497CFE741A02DB5F7F7B19E7E6B9D59FCB746		
ALS_CBOD20_6-21-16.PDF	Laboratory Analytical Report	2016-07-27T13:35:22-04:00	
Cryptographic Hash Value of File (SHA-512)	9C2EEAB8BF6D67BA18D74ACABBDF231326C2F25B0FB4D7DF59607090ED433E62ACEA6EECDC67E817DB4FD88E3860B95451435EA10F2E98F57C990FE482679952		
ALS_CBOD20_6-21-16.PDF	Laboratory Analytical Report	2016-07-27T13:34:54-04:00	
Cryptographic Hash Value of File (SHA-512)	9C2EEAB8BF6D67BA18D74ACABBDF231326C2F25B0FB4D7DF59607090ED433E62ACEA6EECDC67E817DB4FD88E3860B95451435EA10F2E98F57C990FE482679952		
WRTP_Influent_June2016.pdf	Laboratory Analytical Report	2016-07-27T13:27:18-04:00	
Cryptographic Hash Value of File (SHA-512)	DA78C266059D446F1446D69B3B5204AFDDB2F5E6C37F9753F0BDC0D5BD109B317A48F07625B36FC00158CDF940841A8DB550C426708D4535487FE4C3110796E1		
ALS_Effluent - Color_June2016.PDF	Laboratory Analytical Report	2016-07-27T13:25:37-04:00	
Cryptographic Hash Value of File (SHA-512)	E3BBF10537A71E1A0FE1CA7AD93E9A9C0DD432A8F3995DEEDCD7F30636B14C66572A8CC611F5FF43B89B22A49725A275F04A2641527D00074631EFA9C9C97960		
ALS_CBOD20_6-7-16.PDF	Laboratory Analytical Report	2016-07-27T13:30:23-04:00	
Cryptographic Hash Value of File (SHA-512)	4CEE3E05495F909D82DE3E0651690990C138EEADBC6107B1F0420342778B920A291CA1AF46653064A0F7B9C32A8DE481A1C9D895EEBC05E509DFD70C08CE6088		
ALS_CBOD20_6-5-16.PDF	Laboratory Analytical Report	2016-07-27T13:30:02-04:00	
Cryptographic Hash Value of File (SHA-512)	EC8E8BF42A4B70990EC3ECE88A6C817864234DA774DD5445E30A4CF85A43744204950151DF618C689A793CCA1E67D3ECEF5670D4CC3D0D060761D497FD9094C2		
ALS_CBOD20_6-28-16.PDF	Laboratory Analytical Report	2016-07-27T13:36:55-04:00	
Cryptographic Hash Value of File (SHA-512)	316EC9D9F22CBC9166D09940B10F210AB67177DE9E2E164CE1121AF013E78DA48437534C2610A71A2C51ECD6307B3C4580406F7C85AAE4EEAC0058B761F2D366		
ALS_CBOD20_6-19-16.PDF	Laboratory Analytical Report	2016-07-27T13:34:28-04:00	
Cryptographic Hash Value of File (SHA-512)	7B36356E0E83947852490F88BEC556E40793C292BA4DE45060FB2EF0F1BE00778F3EFF15328C58E39417022A72FF8C57500C33DFE9A8AC856EAF89892F899DD6		
WRTP_Process_June2016.pdf	Laboratory Analytical Report	2016-07-27T13:28:53-04:00	
Cryptographic Hash Value of File (SHA-512)	A180FAAD28E29D28F0D1C6381D51A548AD139C188F19E87BCBB8F947A2195891FF49E003BB5BF886E330E3FA6A0F9DC52841183228B88ED02C54F46FEE5014D8		
ALS_CBOD20_6-26-16.PDF	Laboratory Analytical Report	2016-07-27T13:36:12-04:00	
Cryptographic Hash Value of File (SHA-512)	5F1C0F46F3717B4C22065576764F335B918E908E2B551BCB5A3A5A2391E39257C17574A8E70FC39AAC33557FB022EBF189DAC1B029A5F712C65770A1DBFC5530		
ALS_CBOD20_6-23-16 PDF	Laboratory Analytical Report	2016-07-27T13:35:47-04:00	
Cryptographic Hash Value of File (SHA-512)	81033C3A90234682E005620B93B9FEFE10FC4E2F43E8F0557F2592CDEC1B73C4949B43E41B23CC604A166B2A1F44878F88F874061C797D50D8AB69BE5762F5DB		
ALS_CBOD20_6-16-16.PDF	Laboratory Analytical Report	2016-07-27T13:33:26-04:00	
Cryptographic Hash Value of File (SHA-512)	BEBB740431FD476B50804D52D58327A452CCF2BC3B574FA77128FBE95EA44FC3807A9DDCBC803390C587B5095DC902AFBAA342C1AF08F5A33A6C57E5A585DF6C		
ALS_CBOD20_6-14-16.PDF	Laboratory Analytical Report	2016-07-27T13:31:43-04:00	
Cryptographic Hash Value of File (SHA-512)	2EE2128D9CC9694915C9020541A2D8D9D408D99017BBC91C0858D81A5CCD5052BBE8E5CACAC204D1A33B4C7B9E8699CB5D65F6766399E49F89A953083AB7606D		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ALS_CBOD20_6-12-16.PDF	Laboratory Analytical Report	2016-07-27T13:31:16-04:00	
Cryptographic Hash Value of File (SHA-512)	FB389F1A275FC28034153B422ED15C354E99F2AE67C991FB6046F7BE9FA95FAB4D2E66CA82B4069D3843D84A68B61C5E41ADAD2AA242991A57E5A4BF95524355		
ALS_CBOD20_6-9-16.PDF	Laboratory Analytical Report	2016-07-27T13:30:49-04:00	
Cryptographic Hash Value of File (SHA-512)	3CF2DA9ABE6513DFFCA915EE1AC8CD88EA32C3AE2A65B80561062725F146CE9E54CA39382BE35432E252E7FE8FFE7BC502BDB395546193DA0776B6C8265E453C		
ALS_CBOD20_6-2-16.PDF	Laboratory Analytical Report	2016-07-27T13:29:39-04:00	
Cryptographic Hash Value of File (SHA-512)	0A08ED615367EB54B9DC1F12CD448B0DD9B0949D1F5BDD793613354029236FB9C2F9E982EC4CC8642FE5EBF1AC1BF938DA7031A14B9C52614E08B1941896E1C9		
WRTP_Effluent_June2016.pdf	Laboratory Analytical Report	2016-07-27T13:28:06-04:00	
Cryptographic Hash Value of File (SHA-512)	C7F00B7A84E4B0D3176EFCB6F2D391E98B3532A21BD206EBDC01015D99AF7C8C23AE1D33462DDF538A4F2F1CD0D79C902BA27A984481B31BDC0D193F759E3E9D		
ALS_N_June2016.PDF	Laboratory Analytical Report	2016-07-27T13:26:28-04:00	
Cryptographic Hash Value of File (SHA-512)	101B547C2CE15DC988EF8A003706AF0242C426169B0E9CE54F91768786786841BB5D8EFD55C89FEFF315D5EA9E8B8363201C8007EAF44575F208B3385177A06679		
ALS_Effluent_June2016.PDF	Laboratory Analytical Report	2016-07-27T13:26:01-04:00	
Cryptographic Hash Value of File (SHA-512)	BFF1B55AF81ED2EE8A48C3C741C6B3AE4279D6F98FBC3DC7DAC64FF340562E46AC6506B2F1D55C976DE602AB1471CE9B8FE383C1501D3A459DF028BCA79C5B59		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	7/27/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	06	01	TO	16	06	30

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

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

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

Michael J. DiSantis Date: 07/28/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	06	01	TO	16	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 07/28/2016

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: June Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				1,960.65	24.42	478.79	2,030.40	24.66	500.60
							3,875.69	26.79	1,038.11
TOTAL:				TOTAL:		478.790	TOTAL:		1,538.710

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

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

* See Instructions for explanation.

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

Prepared By: Michael DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenance Date: July 28, 2016

3800-FM-BPNPSM0436 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: June Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	37.45	212	66,215	262	81,831	3905.00	1.41	211800		
2	35.53			312	92,452	3710.00	1.42	220540		
3	36.77			318	97,518	3660.00	1.64	225200		
4	33.82			232	65,438	3640.00	1.89	221560		
5	38.76			210	67,884	3575.00	2.08	224950		
6	37.93			354	111,983	3180.00	1.54	235340		
7	35.65			647	192,367	3385.00	1.54	237650		
8	32.22	284	76,315	350	94,050	3260.00	1.81	230690		
9	32.98			372	102,320	3585.00	1.75	225610		
10	33.37			496	138,040	3405.00	1.66	230100		
11	31.98			194	51,742	3785.00	1.44	216710		
12	31.69			178	47,044	3590.00	1.74	235360		
13	31.60			280	73,792	2735.00	1.81	229540		
14	31.23			446	116,164	3575.00	1.89	290250		
15	31.02	333	86,149	382	98,826	3400.00	1.60	111800		
16	36.48			494	150,296	3590.00	1.45	0		
17	31.67			360	95,086	3645.00	1.28	228600		
18	30.43			256	64,969	3565.00	1.66	224980		
19	29.77			166	41,215	2655.00	2.25	238710		
20	30.44			310	78,700	2830.00	1.41	239180		
21	31.83			350	92,912	3625.00	1.37	454110		
22	30.56	292	74,422	322	82,068	3495.00	1.24	473020		
23	33.77			302	85,056	3595.00	1.27	185450		
24	33.50			530	148,077	3300.00	1.41	216450		
25	30.32			226	57,148	3320.00	1.51	221440		
26	29.89			162	40,384	3180.00	1.86	215980		
27	33.10			378	104,348	2810.00	1.50	122150		
28	37.65			394	123,716	2840.00	1.61	149470		
29	32.62	333	90,593	284	77,262	3065.00	1.47	196180		
30	31.42			414	108,486	2930.00	1.23	179260		
31										
Avg	33.182	291	78,739	333	92,706	3,361	2	223,069		
Max	38.76	333	90,593	647	192,367	3,905	2	473,020		

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

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

License No.: T0403
Date: 7/28/2016

3800-FM-BPNPSM0437 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: June Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	38450			Headworks	62156			Sludge Thickening	176450			Headworks	277,056	0
2	29250			Headworks	112396			Sludge Thickening	177293			Headworks	318,939	0
3	52850			Headworks	55787			Sludge Thickening	106200			Headworks	214,837	0
4				Headworks	96700			Sludge Thickening	13000			Headworks	109,700	0
5														
6	50550			Headworks	85398			Sludge Thickening	97100			Headworks	233,048	0
7	18150			Headworks	92900			Sludge Thickening	159600			Headworks	270,650	0
8	57340			Headworks	75907			Sludge Thickening	170470			Headworks	303,717	0
9	49450			Headworks	60652			Sludge Thickening	191703			Headworks	301,805	0
10	22250			Headworks	74800			Sludge Thickening	112100			Headworks	209,150	0
11				Headworks	31000			Sludge Thickening	9500			Headworks	40,500	0
12												Headworks		
13	23800			Headworks	87100			Sludge Thickening	87000			Headworks	197,900	0
14	41350			Headworks	88059			Sludge Thickening	134500			Headworks	263,909	0
15	55499			Headworks	56077			Sludge Thickening	122600			Headworks	234,176	0
16	43650			Headworks	39500			Sludge Thickening	150184			Headworks	233,334	0
17	48700			Headworks	59986			Sludge Thickening	97326			Headworks	206,012	0
18	6500								24000			Headworks	30,500	0
19														
20	31100			Headworks	59772			Sludge Thickening	35000			Headworks	125,872	0
21	39050			Headworks	78300			Sludge Thickening	176500			Headworks	293,850	0
22	29200			Headworks	106135			Sludge Thickening	127400			Headworks	262,735	0
23	41550			Headworks	73600			Sludge Thickening	74707			Headworks	189,857	0
24	42300			Headworks	70100			Sludge Thickening	65600			Headworks	178,000	0
25	10120			Headworks									10,120	0
26				Headworks										
27	41350			Headworks	54395			Sludge Thickening	158300			Headworks	254,045	0
28	24450			Headworks	92241			Sludge Thickening	100100			Headworks	216,791	0
29	35250			Headworks	81500			Sludge Thickening	77900			Headworks	194,650	0
30	40450			Headworks	74492			Sludge Thickening	149577			Headworks	264,519	0
31												Headworks		
Avg	36,359				73,706				111,764			Monthly Totals:	5,435,672	

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

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

License No.: T0403
Date: 7/28/2016

3800-FM-BPNPSM0450 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: June Year: 2016
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater: Generator	Address	State	Wastewater Type	Chemical Analysis Yes/No
	2553743			Industrial Wastewater			Production Water	
	181597			Form U Residual Waste			Production Water	
	1738455			Grease			Food Processing	
	2933027			Landfill Leachate			Leachate	
	2900348			Food Processing Wastewater			Food Processing	
Total:	10,307,170							

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

License No.: T0403
Date: 7/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 6 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
Stage			1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
1	Sun	5/29/16	32.59						6						14		92.31																			
	Mon	5/30/16	63.22						8						19		90.78																			
	Tue	5/31/16	42.98						6						15		93.53																			
	Wed	6/1/16	36.63		30		6.63		5						12		95.42		675.00	<	5		0.25													
	Thu	6/2/16	34.34		34		6.68		7		11		97.22		10		96.79		680.00	<	5		0.36													
	Fri	6/3/16	35.97		79		6.70		6						10		96.86			<	5		0.31													
	Sat	6/4/16	33.00		13		6.79		5						8		96.55			<	5		0.54													
2	Sun	6/5/16	38.04		27		6.61		5		10		94.74		10		95.24		511.00	<	5		0.54													
	Mon	6/6/16	37.66		22		6.66		5						9		97.46		523.00	<	5		0.34										0.011	<	0.003	
	Tue	6/7/16	35.40		21		6.75		5		11		98.03		10		98.45		595.00	<	5		0.28													
	Wed	6/8/16	32.01		25		6.60		4						7		98.00		615.00	<	5		0.35													
	Thu	6/9/16	32.90		45		6.76		4		9		98.05		8		97.65		624.00		8		0.26													
	Fri	6/10/16	32.97		38		6.70		5						8		98.39			<	5		0.27													
	Sat	6/11/16	31.29		67		6.83		4						6		96.91			<	5		0.30													
3	Sun	6/12/16	31.03		1		6.69		5		9		96.75		5		97.19		579.00	<	5		0.40													
	Mon	6/13/16	30.64		12		6.60		5						6		97.86		591.00	<	5		0.40	<	0.50		9.84		0.39		2.44					
	Tue	6/14/16	30.30		57		6.78		4		10		97.91		5		98.88		655.00	<	5		0.32													
	Wed	6/15/16	30.38		58		6.70		4						7		98.17		772.00	<	5		0.31													
	Thu	6/16/16	35.99		81		6.64		7		10		98.11		10		97.96		681.00	<	5		0.24													
	Fri	6/17/16	29.67		57		6.81		5						8		97.78			<	5		0.43													
	Sat	6/18/16	26.96		116		6.72		4						7		97.27			<	5		0.11													
4	Sun	6/19/16	28.89		10		6.58		2		12		94.69		5		96.99		568.00	<	5		0.59													
	Mon	6/20/16	29.77		3		6.59		3						6		98.06		616.00	<	5		0.48													
	Tue	6/21/16	30.65		23		6.73		4		10		97.66		8		97.71		665.00	<	5		0.30													
	Wed	6/22/16	28.95		36		6.62		5						8		97.52		794.00	<	5		0.33													
	Thu	6/23/16	33.61		17		6.81		4		10		96.43		11		96.36		675.00	<	5		0.40													
	Fri	6/24/16	31.57		13		6.64		5						9		98.30			<	5		0.39													
	Sat	6/25/16	29.18		13		6.65		5						8		96.45			<	5		0.54													
5	Sun	6/26/16	28.75		7		6.68		3		7		95.81		7		95.68		545.00	<	5		0.37													
	Mon	6/27/16	30.36		11		6.33		4						8		97.88		585.00	<	5		0.59													
	Tue	6/28/16	36.23		27		6.65		5		14		97.93		10		97.46		613.00	<	5		0.40		0.86		9.60	<	0.50		1.30					
	Wed	6/29/16	31.25		11		6.67		4						7		97.54		604.00	<	5		0.24													
	Thu	6/30/16	29.88		11		6.70		4		11		98.55		9		97.83		652.00	<	5		0.45													
	Fri	7/1/16	29.34						6						8		97.12																			
	Sat	7/2/16	26.93						4						8		97.14																			
Statistics for DMR																																				
Daily Minimum (Conc.):					1		6.33		2		7		94.69		5		95.24		511	<	5		0.11	<	0.5		9.6		0.39		1.3		0.011	<	0.003	
Daily Maximum (Conc):					116		6.84		7		14		98.55		12		98.88		794		8		0.59		0.86		9.84	<	0.5		2.44		0.011	<	0.003	
Max Avg Weekly (Conc.):									6		11		97.59		13		97.68		678	<	5		0		0.86		9.84	<	0.5		2.44		0.011	<	0.003	
Avg Monthly (Conc.):									5		10		97.07		8		97.36		628	<	5		0.4	<	0.68		9.72	<	0.45		1.87		0.011	<	0.003	
Geometric Mean (Conc.):					22																												3	<	0.9	
Max Avg Weekly (Load):			39.82						2101		3150				4419				200479	<	1549		110		250		2901	<	151		624		3	<	0.9	
Avg Monthly (Load):			32.24						1242		2831				2199				169842	<	1372		99	<	194		2708	<	125		508		3	<	0.9	
Total Monthly (Load):			967.27						37260		84919				65979				5095268	<	41158		2975	<	5814		81228	<	3761		15245		97	<	27	
Daily Minimum (Load):			28.75						482		1678				1205				130917	<	1199		27	<	128		2514		100		393		3	<	0.9	
Daily Maximum (Load):			38.04						2101		4230				3668				206209		2195		171		260		2901	<	151		624		3	<	0.9	

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 7/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 6 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		TSS		BOD5		CBOD5																															
Stage			1		RI		RI		RI																															
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
1	Sun	5/29/16																																						
	Mon	5/30/16																																						
	Tue	5/31/16																																						
	Wed	6/1/16	37.45		262		212		347																															
	Thu	6/2/16	35.53		312				204																															
	Fri	6/3/16	36.77		318				193																															
	Sat	6/4/16	33.82		232				111																															
2	Sun	6/5/16	38.76		210				115																															
	Mon	6/6/15	37.93		354				196																															
	Tue	6/7/16	35.65		647				372																															
	Wed	6/8/16	32.22		350		264		203																															
	Thu	6/9/16	32.98		372				246																															
	Fri	6/10/16	33.37		496				349																															
	Sat	6/11/16	31.98		194				144																															
3	Sun	6/12/16	31.69		178				127																															
	Mon	6/13/16	31.60		280				282																															
	Tue	6/14/16	31.23		446				280																															
	Wed	6/15/16	31.02		382		333		220																															
	Thu	6/16/16	36.48		494				242																															
	Fri	6/17/16	31.67		360				246																															
	Sat	6/18/16	30.43		256				205																															
4	Sun	6/19/16	29.77		166				122																															
	Mon	6/20/16	30.44		310				174																															
	Tue	6/21/16	31.83		350				212																															
	Wed	6/22/16	30.56		322		282		261																															
	Thu	6/23/16	33.77		302				174																															
	Fri	6/24/16	33.50		530				321																															
	Sat	6/25/16	30.32		226				198																															
5	Sun	6/26/16	29.89		162				107																															
	Mon	6/27/16	33.10		378				313																															
	Tue	6/28/16	37.65		394				183																															
	Wed	6/29/16	32.62		284		333		210																															
	Thu	6/30/16	31.42		414				490																															
	Fri	7/1/16																																						
	Sat	7/2/16																																						
Statistics for DMR																																								
Daily Minimum (Conc.):					162		212		107																															
Daily Maximum (Conc):					647		333		490																															
Max Avg Weekly (Conc.):					375		333		261																															
Avg Monthly (Conc.):					333		291		228																															
Geometric Mean (Conc.):																																								
Max Avg Weekly (Load):			35.89		108341		90593		71214																															
Avg Monthly (Load):			33.18		92706		78739		63243																															
Total Monthly (Load):			955.45		2781176		2362164		1897301																															
Daily Minimum (Load):			29.77		40384		66215		28673																															
Daily Maximum (Load):			38.76		192367		90593		128401																															

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 7/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: June Year: 2016
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	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: 7/20/2016

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Thursday, August 25, 2016 5:57 PM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 26886 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 26886
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 07/01/2016-07/31/2016
Monitoring Report Due Date : 08/28/2016

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

August 25, 2016

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, 2016. All parameters were in compliance during the month.

Parameter averages for July, 2016 were: Flow –30.57 ; $cBOD_5$ –4 mg/L; TSS – 7 mg/L; $cBOD_{20}$ % removal –97.81 %; and $cBOD_{20}$ –2,496 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:smf
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	07/01/2016-07/31/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.37	***	6.92	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	1826	2221	lbs/day	***	7	9	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	<1343	***	lbs/day	***	<5	13	mg/L	Grab	1/day
	Permit Measurement	5500 Avg Mo	***		***	15 Avg Mo	30 IMAX		Grab	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	.93	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	<.34	<.5	mg/L	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	***	***	***	***	7.6	8.8	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	***	***	***	***	2.8	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.019	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0027	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0078	***	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	***	***	***	***	.037	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.0028	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	30.57	41.87	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	1.0	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	636	792	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	20	580	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	970	1084	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	2496	***	lbs/day	***	***	***	***	24-Hr Composite	3/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	97.81	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	81458	***	lbs/day	***	307	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	87552	***	lbs/day	***	329	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	61490	***	lbs/day	***	231	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	**Attachment Type**	**Uploaded Time**	**Attachment Comment**
DMR Cover Letter July 2016.doc	Cover Letter	2016-08-25T17:56:12-04:00	
Cryptographic Hash Value of File (SHA-512)	A950B408D2879E42DB8FDAFA22D63FEEA579D007A561FF29A27B664A7BD3DD029F364B2EFD7887B535BD324966DFA5031354B80C9B91CCEF3783B78AA7F93B49		
Daily Influent Monitoring JULY 2016.xlsx	Daily Effluent Monitoring Form	2016-08-25T10:23:20-04:00	Influent
Cryptographic Hash Value of File (SHA-512)	9175F067EA1E83BD1EA62B83B408A08BE9291AAD548FC31A5C13D64BC80019D6380648B0C956BEEFD97E1AA9FBCCCD247C16756650C510DF049D6B3086474934		
Daily Effluent Monitoring JULY 2016.xlsx	Daily Effluent Monitoring Form	2016-08-25T10:22:51-04:00	
Cryptographic Hash Value of File (SHA-512)	975C5A2552A09C61B7892BDA728C57B7D4F4A6988C31CDD430F8AFE33F517171279A0D80517C6BD11AC53CD3D0083CAAB1CE0B892792C247DFEBA6456C96581B		
DMR Laboratory Accreditation-WRTP-JULY 2016.doc	Laboratory Accreditation Form	2016-08-25T10:26:25-04:00	
Cryptographic Hash Value of File (SHA-512)	105A728D5CE7225B1B158A1D1F43F19FAE329D1411856631C0D73122E8932A0171435B12D61583C1DD64572FBCB592615E1D3276B8FF303EE221EDF4B9B8EC8A		
DMR Laboratory Accreditation-ALS-JULY 2016.doc	Laboratory Accreditation Form	2016-08-25T10:26:06-04:00	
Cryptographic Hash Value of File (SHA-512)	8D54CB598FE9D0565AC57137892202285C5D658DA1B5DE9DEA1F03221F3DE25B305E3ED78236D2FF1B21F46D9CD0222E3C1DBB9122B9A961A1B63C147018CD64		
Hauled In Municipal Waste_JULY2016.xls	Hauled-In Municipal Waste Form	2016-08-25T10:23:45-04:00	
Cryptographic Hash Value of File (SHA-512)	A1D03AAF1A0BADA187630B8B52E7C9BE0B16FE22E0BE95F337DE833CDD55CFC5C1EA92A3B6569BB3D29020556155FAC192D13F0F15EFBE4D25715D20E75CD36E		
Hauled In Residual Wastes_JULY2016.xls	Hauled-In Residual Waste Form	2016-08-25T10:24:06-04:00	
Cryptographic Hash Value of File (SHA-512)	B084BBCCD97F4DA07C80887D865FF66F605F8A5F7838687E3A200A369C1169FD89A1F46A23C136E5754F567B15E9D1BFA53B659480E0FA8352E37BED3441A7D3		
Influent and Process Control_JULY2016.xls	Influent and Process Control Form	2016-08-25T10:24:26-04:00	
Cryptographic Hash Value of File (SHA-512)	73108C9E19FAF30E8BC5C4FEE9711719F5562BB4488422B4FB1314DD9EFF4AB4C576060B2CEF921C83FD55B0266337723EF8B1BA2D346D8C302519239C1EA7E7		
Sludge Production and Disposal_JULY 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-08-25T10:25:22-04:00	
Cryptographic Hash Value of File (SHA-512)	C4C69F082E95995F772561D349956CA30DE2589DC778B716E41C9D9825260E5EBD4C86EB944BDA7D974D2DFC98E4B6CCFB90E2EC5C351C4D8841DEFBEDF542FC		
July 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-08-25T10:25:00-04:00	
Cryptographic Hash Value of File (SHA-512)	6F5F1353B534A9F9B4C1D0DA6AF01C5193D9BF5454B5AD2F26804764C07449ADC6E61043895FA03D58FA34E792E4583DD7002D9B2E0EF6D6A58866ADB94B67D7		
Trucked Waste_July 2016.xlsx	Other	2016-08-25T10:25:44-04:00	Trucked Waste July 2016
Cryptographic Hash Value of File (SHA-512)	926ECE0F0D32FF6883126B630A41A2EEB60BF0488910CBBB76185C7AB996DF2DFB3B7E39C39C6F81100A1E7DC46C9A36E693F46E0D4B9711E7E50B2FBA0DC2ED		
ALS_CBOD20_7-21-16 Revised.PDF	Laboratory Analytical Report	2016-08-25T10:33:32-04:00	
Cryptographic Hash Value of File (SHA-512)	2FA88D74584B884CE145AD38F796AC4B457C90FACF620B8554716622F0BC0AE6F1B5CF303F0BC7FBABEF26EB51D9DE90C97A6FE46E11857C2EC4B6BEF69C7AED		
ALS_CBOD20_7-12-16.PDF	Laboratory Analytical Report	2016-08-25T10:31:34-04:00	
Cryptographic Hash Value of File (SHA-512)	BCD741E07C4D15DB7796B5107C089C3B8E8649CC9016DA419AF051B3E2553EB6D5E265CD4171B5C04DCD3F18EDE563AD9556C81C5D234F17718F1E503EAE33A3		
ALS_CBOD20_7-10-16.PDF	Laboratory Analytical Report	2016-08-25T10:30:49-04:00	
Cryptographic Hash Value of File (SHA-512)	C1D956A74B3743BE220A1DA70E99F8DBCECBDE4E7DF181D47F55BE902C873F0D74A2F70B159CA0F210644413FB9725B30E7FF04EA496E3DF96BE85CBB18A9709		
ALS_CBOD20_7-7-16.PDF	Laboratory Analytical Report	2016-08-25T10:30:20-04:00	
Cryptographic Hash Value of File (SHA-512)	BFD66BE08C953C5691A422A59C7B664B886B603ED37231481FFA569320ACDF19E8E5648288024472E1785E70108264ED74F878E4F00247A5C896BEC16349BBF1		
ALS_CBOD20_7-5-16.PDF	Laboratory Analytical Report	2016-08-25T10:29:52-04:00	
Cryptographic Hash Value of File (SHA-512)	67912D060B2F9697D568BD8ABC50AF29826E4AA8F48135D7E539E9FFCF7F5ABD67DB16DC2CD99F73237DF604BA7C935301C84159A73EEB08050DE13378F1D601		
ALS_Effluent_July2016.PDF	Laboratory Analytical Report	2016-08-25T10:27:36-04:00	
Cryptographic Hash Value of File (SHA-512)	A2240086C0AE6EAF9E9816FCB8374B256C434547F8E39CAC3C0B71AD8A8C1F29DA920AA740C5851E65CC2FB4D137B052CEA1F87BED9018EEB1033F5C746A59CB		
ALS_CBOD20_7-31-16.PDF	Laboratory Analytical Report	2016-08-25T10:35:37-04:00	
Cryptographic Hash Value of File (SHA-512)	ED4FA5169D072E3CB7269C4409A755E7254E2FDFC8DB221C547A12A26E5FAC53FE8A5D0DD3CA5BDC1A952A4251CB3B96CF5A1AEC65432949EAC1980154B83A92		
ALS_CBOD20_7-28-16.PDF	Laboratory Analytical Report	2016-08-25T10:35:07-04:00	
Cryptographic Hash Value of File (SHA-512)	9786E0919EDE1BA20071EC5B9209C6F4A63403EA029B250524475BC0A8DFAA1BC907A4C263572E51D3E7C6E6954598AB83F02422AC241D936D668CDC51BCFE3B		
ALS_CBOD20_7-24-16.PDF	Laboratory Analytical Report	2016-08-25T10:33:55-04:00	
Cryptographic Hash Value of File (SHA-512)	9D9CD2952905278A764DA048E98B37DBE3DCD4E6DD2CCD6C5934E33E09DFED44E821854771D0F356854CE08F0B8CC0DFEE1A6755B61B20E1D9143DCB886BC208		
ALS_CBOD20_7-19-16.PDF	Laboratory Analytical Report	2016-08-25T10:33:09-04:00	
Cryptographic Hash Value of File (SHA-512)	D9C04500D47838876F7A5306D06332AEC21F655F0C2097DDE9C460DA2C3FDAAB545FCD7096111CEF8853DF93B4D3C802C66380E341F18C30E242D0712D8FC51A		
WRTP_Process Lab_July2016.pdf	Laboratory Analytical Report	2016-08-25T10:28:59-04:00	
Cryptographic Hash Value of File (SHA-512)	A71E3C995E19A3C225AB60B7E3F432DDB3A2EFD3B21C0CA80BF7780F9852E077C767D28785AF58EC3B694D2A98CE17DA97DA824886FB15AA031B4D470EB864CE		
ALS_Biweekly N 1_July2016.PDF	Laboratory Analytical Report	2016-08-25T10:26:59-04:00	
Cryptographic Hash Value of File (SHA-512)	3386C1E30B71A006DCAD31E6495A960DEBC973A7FB13815321B0D01ECC7AD99C3D7F375704BF949DDFF2516EDB1430FC924416B976B9DE1049B8F3DD17438035		
ALS_CBOD20_7-26-16.PDF	Laboratory Analytical Report	2016-08-25T10:34:27-04:00	
Cryptographic Hash Value of File (SHA-512)	B6CD29973B62900CE461B674AF7FB5DE8F081E5C64E479D9CB11C70CE8B8066180AC4AAC09F8B32674E1B3D31944A80302848F5B3F5FF82ACBFDC55308F7169A		
ALS_CBOD20_7-17-16.PDF	Laboratory Analytical Report	2016-08-25T10:32:42-04:00	
Cryptographic Hash Value of File (SHA-512)	F721955D27124F6CDFC1F903E8CE4C23F59FF7FF425A0AB48212644949F4E476BB3EADD49BE207E5DFC2E2F486F5B0D57431B31DA195BD05F37E4329CFA36C47		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ALS_CBOD20_7-14-16.PDF	Laboratory Analytical Report	2016-08-25T10:32:00-04:00	
Cryptographic Hash Value of File (SHA-512)	©23F9D3FB1215265873BC0EDC0F438B7DDEF3B48F6A2A351ED3D1DBB505B445E0F85FF6E43D31464BAF0AAD28CDDB05A1DBFE11C743FB5335565B7E71EFAC460		
WRTP_Influent_July2016.pdf	Laboratory Analytical Report	2016-08-25T10:28:27-04:00	
Cryptographic Hash Value of File (SHA-512)	D3A56FEFC7C327137D8DD9691BC99113A5D0ABC3F8B64AE48CC26E31D48F988D353D21D458CDA566E395F2BD2E9472C2C79E6CDBF421EE7E250C08CC08973418		
WRTP_Effluent_July2016.pdf	Laboratory Analytical Report	2016-08-25T10:28:00-04:00	
Cryptographic Hash Value of File (SHA-512)	243BAE7F12FB760967B333898218DF5F1547E12FDF6A4A0CB247EE0A6CF0B9BC7976429A863E8C330A73BCD64FD5E95A97F0317ED9EA178C88F9569CA8FBB8CD		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	8/25/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	07	01	TO	16	07	31

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

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

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

Michael J. DiSantis **Date:** 08/28/16

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	07	01	TO	16	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	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 08/28/2016

[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.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **July** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
				1,874.15	25.18	**471.91**	4,072.56	24.36	**992.14**
							1,138.13	25.09	**285.54**
	TOTAL:			TOTAL:		471.910	TOTAL:		1,277.680

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

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

* See Instructions for explanation.

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

Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **August 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: July Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	30.76			278	71,318	3090.00	1.30	175330		
2	27.93			280	65,222	2420.00	1.48			
3	27.04			184	41,495	2775.00	2.13	0		
4	31.19			222	57,748	2575.00	2.10	0		
5	34.28			306	87,484	2405.00	1.53	179880		
6	30.74	348	89,217	502	128,699	2495.00	1.26	219120		
7	30.44			562	142,675	2670.00	1.20	204610		
8	30.45			640	162,530	2845.00	1.19	184340		
9	29.48			194	47,697	2945.00	1.48	124690		
10	28.36			188	44,466	2850.00	1.92	0		
11	28.65			278	66,426	3375.00	1.87	51140		
12	28.60			314	74,897	2900.00	1.27	176920		
13	30.84	330	84,878	370	95,166	3135.00	1.35	159100		
14	30.94			314	81,024	3125.00	1.16	114000		
15	29.89			362	90,240	3055.00	1.27	22050		
16	30.41			254	64,419	3070.00	1.28	0		
17	29.53			234	57,630	2935.00	2.08	143386		
18	35.73			466	138,863	3185.00	1.20	186490		
19	32.19			514	137,991	3190.00	1.31	154868		
20	30.95	377	97,312	490	126,480	3115.00	1.40	153195		
21	31.64			392	103,440	3340.00	1.32	217595		
22	31.53			374	98,347	3435.00	1.15	0		
23	30.29			374	94,479	3425.00	1.08	202926		
24	28.79			196	47,061	3320.00	1.35	0		
25	38.54			402	129,212	2600.00	0.85	0		
26	37.94	172	54,424	242	76,574	2440.00	1.08	174680		
27	31.99			318	84,841	3170.00	1.17	215019		
28	38.90			316	102,519	2820.00	1.57	212536		
29	42.29			258	90,996	2440.00	1.45	208909		
30	33.98			194	54,978	3015.00	1.74	216948		
31	34.69			170	49,183	3045.00	1.89	203127		
Avg	**31.903**	**307**	**81,458**	**329**	**87,552**	**2,942**	**1**	**130,029**		
Max	**42.29**	**377**	**97,312**	**640**	**162,530**	**3,435**	**2**	**219,120**		

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

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

License No.: T0403
Date: 8/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: July Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	27010			Headworks	87000			Sludge Thickening	72100			Headworks	186,110	0
2				Headworks				Sludge Thickening				Headworks		
3				Headworks				Sludge Thickening				Headworks		
4				Headworks				Sludge Thickening				Headworks		
5	46218			Headworks	64699				114000			Headworks	224,917	0
6	23450			Headworks	99587			Sludge Thickening	102600			Headworks	225,637	0
7	23050			Headworks	99566			Sludge Thickening	133339			Headworks	255,955	0
8	21910			Headworks	60733			Sludge Thickening	92100			Headworks	174,743	0
9	3000			Headworks	65000			Sludge Thickening	12100			Headworks	80,100	0
10				Headworks				Sludge Thickening				Headworks		
11	68000			Headworks	79503			Sludge Thickening	57500			Headworks	205,003	0
12	41750			Headworks	55904				85400			Headworks	183,054	0
13	38350			Headworks	70445			Sludge Thickening	120393			Headworks	229,188	0
14	47000			Headworks	49265			Sludge Thickening	106094			Headworks	202,359	0
15	39350			Headworks	51438			Sludge Thickening	85700			Headworks	176,488	0
16	7800			Headworks				Sludge Thickening	18300			Headworks	26,100	0
17				Headworks				Sludge Thickening				Headworks		
18	39000			Headworks	94135				51900			Headworks	185,035	0
19	36300			Headworks	132175				117300			Headworks	285,775	0
20	47010			Headworks	70042			Sludge Thickening	101900			Headworks	218,952	0
21	50450			Headworks	63264			Sludge Thickening	123800			Headworks	237,514	0
22	38300			Headworks	46733			Sludge Thickening	77420			Headworks	162,453	0
23				Headworks				Sludge Thickening	21500			Headworks	21,500	0
24				Headworks				Sludge Thickening				Headworks		
25	22550			Headworks	79379				74000			Headworks	175,929	0
26	24450			Headworks	75231				121300			Headworks	220,981	0
27	24250			Headworks	19000			Sludge Thickening	88100			Headworks	131,350	0
28	22400			Headworks	42135			Sludge Thickening	193100			Headworks	257,635	0
29	34300			Headworks	55600			Sludge Thickening	75500			Headworks	165,400	0
30	7700			Headworks				Sludge Thickening				Headworks	7,700	0
31				Headworks								Headworks		
Avg	31,896				69,564				88,932			Monthly Totals:	4,239,878	

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

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

License No.: T0403
Date: 8/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: July Year: 2016
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
	2192836			Industrial Wastewater			Production Water	
	161411			Form U Residual Waste			Production Water	
	1763020			Grease			Food Processing	
	3126816			Landfill Leachate			Leachate	
	2527295			Food Processing Wastewater			Food Processing	
Total:	9,771,378							

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 Maintenace Date: 8/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5900-FM-BPNPSM0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 7 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

		Parameter	Flow		Fecal Coliform		pH		CBOD5		CBOD20		CBOD20		TSS		TSS		TDS		Oil and Grease		TRC		NH3-N		NO3-N		NO2-N		TKN		Total Copper		Total Lead	
		Sample	1		1		1		1		1		K		1		K		1		1		1		1		1		1		1		1		1	
Week	City	Date	MGD	Q	CFU/100 ml	Q	S.U.	Q	mg/L	Q	mg/L	Q	%	Q	mg/L	Q	%	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q
	Fri	7/1/16	28.34		36		6.48		5						5		97.12			<	5		0.28													
	Sat	7/2/16	26.93		23		6.78		4						5		97.14			<	5		0.28													
1	Sun	7/3/16	28.11		9		6.68		3						9		95.15			<	5		0.35													
	Mon	7/4/16	29.87		2		6.92		4						12		94.98		946.00	<	5		0.45													
	Tue	7/5/16	32.51		30		6.37		5		11		97.76		9		97.98		488.00	<	5		0.38													
	Wed	7/6/16	29.95		126		6.95		4						8		98.41		638.00	<	5		0.29													
	Thu	7/7/16	29.85		20		6.86		4		20		98.02		8		98.38		613.00	<	5		0.49										0.0078	<	0.003	
	Fri	7/8/16	29.85		77		6.84		4						11		98.28			<	5		0.42													
	Sat	7/9/16	28.83		17		6.81		3						8		98.91			<	5		0.52													
2	Sun	7/10/16	27.74		33		6.83		4		6		97.20		9		98.74		637.00	<	5		0.39													
	Mon	7/11/16	27.60		3		6.46		3						7		97.48		598.00	<	5		0.12													
	Tue	7/12/16	28.15		15		6.80		4		8		98.97		8		97.46		733.00	<	5		0.18		0.47		5.90	<	0.50		2.00					
	Wed	7/13/16	28.48		5		6.66		4						8		97.94		760.00	<	5		0.76													
	Thu	7/14/16	28.67		580		6.70		5		4		98.35		9		97.13		702.00	<	5		0.38													
	Fri	7/15/16	27.46		29		6.77		4						7		98.07			<	5		0.34													
	Sat	7/16/16	27.76		213		6.86		5						7		97.24			<	5		0.22													
3	Sun	7/17/16	27.12		19		6.70		3		8		98.19		7		97.91		809.00	<	5		0.49													
	Mon	7/18/16	33.85		24		6.64		4						7		98.80		884.00	<	5		0.29													
	Tue	7/19/16	30.18		33		6.76		4		5		98.28		5		98.44		963.00	<	5		0.27													
	Wed	7/20/16	28.82		108		6.79		3						6		98.78		634.00	<	5		0.36													
	Thu	7/21/16	28.13		16		6.82		3		11				5		98.72		838.00	<	5		0.38													
	Fri	7/22/16	28.44		19		6.81		2						4		98.80			<	5		0.41													
	Sat	7/23/16	27.51		10		6.82		3						5		98.46			<	5		0.28													
4	Sun	7/24/16	27.05		4		6.90		2		5		98.21		6		97.46		673.00	<	5		0.19													
	Mon	7/25/16	27.84		2		6.84		4						8		98.61		818.00	<	5		1.05		1.38		8.30		0.18		3.50					
	Tue	7/26/16	27.89		3		6.84		4		9		98.21		5		97.93		804.00	<	5		0.20													
	Wed	7/27/16	31.90		19		6.80		3						8		98.11		724.00		13		0.44													
	Thu	7/28/16	36.17		84		6.75		5		14		97.46		9		97.15		748.00	<	5		0.42													
	Fri	7/29/16	41.87		34		6.66		4						8		97.87			<	5		0.27													
	Sat	7/30/16	33.45		12		6.55		3						4		97.94			<	5		0.42													
5	Sun	7/31/16	33.92		8		6.98		4		11		98.57		7		95.08		566.00	<	5		0.65													

Daily Minimum (Conc.):					2		6.37		2		4		96.97		4		94.89		488	<	5		0.12		0.47		0.3		0.16		1		0.0078	<	0.003	
Daily Maximum (Conc):					580		6.92		9		20		98.97		12		98.93		782		13		1.05		1.38		8.3	<	0.5		3.50		0.0078	<	0.003	
Max Avg Weekly (Conc.):									4		16		98.32		9		98.43		678	<	5		0.		1.38		3.3	<	0.5		3.50		0.0078	<	0.003	
Avg Monthly (Conc.):									4		10		97.91		7		97.54		638	<	5		0.4		0.93		7.6	<	0.34		2.8		0.0078	<	0.003	
*Geometric Mean (Conc.):					20																															
Max Avg Weekly (Load):			38.59						1864		3861				3221				194322	<	1776		127		434		2946	<	117		1153		2	<	0.7	
Avg Monthly (Load):			30.57						870		2488				1516				164434	<	1343		98		273		2027	<	87		801		2	<	0.7	
Total Monthly (Load):			947.85						26976		77383				46920				5097440	<	41615		3035		8461		62840	<	2709		24839		60	<	23	
Daily Minimum (Load):			26.11						441		986				849				124236	<	1069		24		110		1985		57		470		2	<	0.7	
Daily Maximum (Load):			41.87						1892		4822				2634				227152		3416		323		434		2946	<	117		1153		2	<	0.7	

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Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 8/26/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5600-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 7 (select number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Parameter			Flow		TSS		BOD5		CBOD5																											
		Units	1		mg/L		mg/L		mg/L																											
Week	Day	Date	MGD	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Q
	Fri	7/1/16	30.78		278				180																											
	Sat	7/2/16	27.91		203				136																											
1	Sun	7/3/16	27.04		194				82																											
	Mon	7/4/16	31.19		222				118																											
	Tue	7/5/16	34.26		308				205																											
	Wed	7/6/16	30.74		502		349		275																											
	Thu	7/7/16	30.44		562				475																											
	Fri	7/8/16	30.45		548				386																											
	Sat	7/9/16	29.48		194				118																											
2	Sun	7/10/16	28.32		158				105																											
	Mon	7/11/16	28.65		278				189																											
	Tue	7/12/16	28.80		514				289																											
	Wed	7/13/16	30.84		370		330		241																											
	Thu	7/14/16	30.94		314				216																											
	Fri	7/15/16	29.88		362				340																											
	Sat	7/16/16	30.41		254				205																											
3	Sun	7/17/16	29.53		234				103																											
	Mon	7/18/16	30.73		408				322																											
	Tue	7/19/16	32.19		514				275																											
	Wed	7/20/16	30.86		460		377		359																											
	Thu	7/21/16	31.64		392				305																											
	Fri	7/22/16	31.63		374				317																											
	Sat	7/23/16	30.29		374				225																											
4	Sun	7/24/16	28.79		198				127																											
	Mon	7/25/16	28.54		402				340																											
	Tue	7/26/16	27.94		240		172		147																											
	Wed	7/27/16	31.99		318				321																											
	Thu	7/28/16	38.80		318				186																											
	Fri	7/29/16	42.20		280				181																											
	Sat	7/30/16	33.80		194				138																											
5	Sun	7/31/16	34.99		170				83																											
Summary for period																																				
Daily Minimum (Conc.):					170		172		82																											
Daily Maximum (Conc):					520		377		475																											
Max Avg Weekly (Conc.):					408		377		284																											
Avg Monthly (Conc.):					339		307		231																											
Geometric Mean (Conc.)																																				
Max Avg Weekly (Load):			38.06		1[illegible]176		97312		79[illegible]																											
Avg Monthly (Load):			37.8		97312		94[illegible]		67[illegible]																											
Total Monthly (Load):			[illegible]		2714196		2[illegible]195		1[illegible]																											
Daily Minimum (Load):			27.04		41[illegible]		54[illegible]		18[illegible]																											
Daily Maximum (Load):			42.20		1[illegible]		97312		12[illegible]																											

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

Prepared By: Micheal DiSantis License No.: T0403
Title: Dir. Of Operations and Maintenace Date: 8/28/2016

3800-FM-WSFR0441 7/2009

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CSO SUPPLEMENTAL REPORT
MONTHLY INSPECTION REPORT

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

Month: **July** Year: **2016**
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: **8/16/2016**

Foley, Sue

From: depgreenporthelpdesk@state.pa.us
Sent: Monday, September 26, 2016 9:24 AM
To: DiSantis, Michael
Subject: Original Monitoring Report Submission 29076 Received Confirmation

Submitted By : Michael DiSantis
Submission Id : 29076
Submission Status : Received
Facility Name : DELCORA STP
Permit Number : PA0027103
Report Type : Monthly
Monitoring Report Period : 08/01/2016-08/31/2016
Monitoring Report Due Date : 09/28/2016

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

September 25, 2016

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, 2016. All parameters were in compliance during the month.

Parameter averages for August, 2016 were: Flow –27.91 MGD ; $cBOD_5$ –4 mg/L; TSS – 7 mg/L; $cBOD_{20}$ % removal –98.04 %; and $cBOD_{20}$ –2,179 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:smf
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
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

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION

Facility ID:	482685	**Facility Name:**	DELCORA STP	**Location Address:**	3201 W FRONT ST, CHESTER PA, 19013-2320
Permit Number:	PA0027103	**Monitoring Period:**	08/01/2016-08/31/2016	**Mailing Address:**	100 EAST FIFTH STREETP.O.BOX 999, CHESTER PA, 19016-0999

PARAMETERS REPORTED VALUES

Sampling Point		001		**Stage Code**			Final Effluent		**No Discharge Indicator**	N
Parameter	**Limit Type**	**Load 1**	**Load 2**	**Units**	**Conc 1**	**Conc 2**	**Conc 3**	**Units**	**Sample Type**	**Sample Frequency**
pH	Sample Measurement	***	***	***	6.57	***	7.07	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	1634	2210	lbs/day	***	7	10	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	<1164	***	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	***	***	***	***	1.76	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Nitrite an N	Sample Measurement	***	***	***	***	.27	.29	mg/L	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	***	***	***	***	12.2	13	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	***	***	***	***	3.35	***	mg/L	24-Hr Composite	2/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	2/month
Cyanide, Total	Sample Measurement	***	***	***	***	.055	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.014	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Cadmium, Total	Sample Measurement	***	***	***	***	<.001	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0077	***	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	***	***	***	***	.04	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Dichlorobromomethane	Sample Measurement	***	***	***	***	.004	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

Flow	Sample Measurement	27.91	31.72	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.4	.67	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Total Dissolved Solids	Sample Measurement	***	***	***	***	693	842	mg/L	24-Hr Composite	5/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	2/month
Fecal Coliform	Sample Measurement	***	***	***	***	16	212	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	1000 IMAX		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	888	1326	lbs/day	***	4	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	7000 Avg Mo	10500 Wkly Avg		***	19 Avg Mo	29 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	2179	***	lbs/day	***	***	***	***	24-Hr Composite	1/week
	Permit Measurement	10500 Avg Mo	***		***	***	***		24-Hr Composite	1/week
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	***	***	***	98.04	***	***	%	24-Hr Composite	3/week
	Permit Measurement	***	***		89.25	***	***		24-Hr Composite	1/week
Biochemical Oxygen Demand (BOD5)	Sample Measurement	62449	***	lbs/day	***	263	***	mg/L	24-Hr Composite	1/week
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/week
Total Suspended Solids	Sample Measurement	90748	***	lbs/day	***	378	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	55162	***	lbs/day	***	231	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/day
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comment
DMR Cover Letter AUG 2016.doc	Cover Letter	2016-09-26T09:22:30-04:00	
Cryptographic Hash Value of File (SHA-512)	8CC9F30420E58CF2E2D59B3F85A99CB2786814EC94DFE1FF465B678AA22A4A5A4515DCF73D0A64A225B0A1FA4A6167B2EA06A1FD68945320B9F0BF1573B10574		
Daily Effluent Monitoring AUG 2016.xlsx	Daily Effluent Monitoring Form	2016-09-22T14:36:52-04:00	
Cryptographic Hash Value of File (SHA-512)	81F4D7963438FBD99617734E1E7CD1879346F9094A1DE64F012490465F634D6459AE05DE3B2FC976CB570AC3D2792A3EB2753270788479AFDE35041CA11A7796		
Daily Influent Monitoring AUG 2016.xlsx	Daily Effluent Monitoring Form	2016-09-22T14:36:28-04:00	
Cryptographic Hash Value of File (SHA-512)	F27EA9989C8998497BEA6E5FCB7B2B60C3A5852E1D6CC2CB29E394259F483A17D9BF20EA2F3E255C009E21F8E40C8A9E7E089CE5E9FF510D16034A20DFF4D278		
DMR Laboratory Accreditation-ALS-AUG 2016.doc	Laboratory Accreditation Form	2016-09-22T14:38:24-04:00	
Cryptographic Hash Value of File (SHA-512)	57B08B3A6A84DEBF5D16DAE341DCCF7144F673CD81083A1BDE35409EB6F805B8FDAB7727993273DD132095E754E71AD60484B220321D3B0AD54E26AEE11A2111		
DMR Laboratory Accreditation-WRTP-AUG 2016.doc	Laboratory Accreditation Form	2016-09-22T14:38:41-04:00	
Cryptographic Hash Value of File (SHA-512)	D3F5FD51E76EE291F0FE72344D83B04C7FD207A69491CCD7C4A9290C325ACAB282BB8EAE626DE5C6FC40CD3E2FE381490D278A5D889BC5501E19AF31D9E938D2		
Hauled In Municipal Waste_AUG2016.xls	Hauled-In Municipal Waste Form	2016-09-22T14:36:02-04:00	
Cryptographic Hash Value of File (SHA-512)	5AD097802BC7864F59B7FEE3786F93399E2C60228C4F7AFDF66A6D0DE13FB2D356C91E3004A5C7E24E03C8B799361EBDD5A063207B5288BB6476F35D0E6EE422		
Hauled In Residual Wastes_AUG2016.xls	Hauled-In Residual Waste Form	2016-09-22T14:35:39-04:00	
Cryptographic Hash Value of File (SHA-512)	62D816FC0EF8A238331BF870D398BD4963A04BC9ECE9966A1BD1E0DA0E159B89657BCCB1ECB63A68F66D0A8695FD0EE1035C7648F39D6F61613724A31D2417F3		
Influent and Process Control_AUG2016.xls	Influent and Process Control Form	2016-09-22T14:35:19-04:00	
Cryptographic Hash Value of File (SHA-512)	4FB20861E3AAFA64AF143E50DD16B91F8706F3B1D3212AB2EB22AB3FF1C784103D02F30DC5361EED6A637B25E09A8173A2E80CCCDC436B6F6B6D76F19380D84D		
Sludge Production and Disposal_AUG 2016.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2016-09-22T14:34:56-04:00	
Cryptographic Hash Value of File (SHA-512)	05A24D339BCB8E0896FEE5F2F32E7FB36471846E027C61CAD667B730D92A582F862EB11FDE60ACF1DA25B733939FF59FC2FFA4DD9D14340671886A4D41B46139		
August 2016 SWMM Report.xlsx	CSO Detailed Outfall Report Form	2016-09-22T14:37:56-04:00	
Cryptographic Hash Value of File (SHA-512)	418EE7CE2A798D21E97C5902D9CEEE81FB4D23888F0611782B686151034D904D5FAE04E8F99ACC742349CDA435BED4EAC341A315725EF3AD6C706EF2FC181F8A		
Trucked Waste Aug2016.xlsx	Other	2016-09-22T14:34:27-04:00	Trucked Waste Aug2016
Cryptographic Hash Value of File (SHA-512)	6B6CC785B99BA00609B22E5466F51A566AE48000C68C4D43DDD493B25AD83AC1B65FAECB12E029C1FC1BD5C0F0B002DE4B0FD73998F142213E541CB674E397F5		
ALS_CBOD20_8-21-16.PDF	Laboratory Analytical Report	2016-09-22T14:44:11-04:00	
Cryptographic Hash Value of File (SHA-512)	A021C96F2337A49DE24D0258E68653C5CDF7764157ED2D646E6256BA5415191A1AB0D5A92BDCB9B90D17BA10DC43E16A85BBB0F6D02DBD1591D71CFBD061C88C		
ALS_CBOD20_8-14-16.PDF	Laboratory Analytical Report	2016-09-22T14:43:06-04:00	
Cryptographic Hash Value of File (SHA-512)	D45F591D9272D5D676A5835A49323AD7EEC7834EFE475590C747A816637193243 1E1FDD0EB168BF69424A8611D53AB7DFD0D7E14A73ED26C2FD4FCFD235E0BD3		
ALS_CBOD20_8-11-16.PDF	Laboratory Analytical Report	2016-09-22T14:42:41-04:00	
Cryptographic Hash Value of File (SHA-512)	49E2246C314819AA0ABD917718A73DC9CDBCD7340A6491554AC95068F35ED783392C362687AD71E10E5865321AAFCDD381F7CFA315EF858C42CFFEA6C7FCFAE8		
ALS_CBOD20_8-7-16.PDF	Laboratory Analytical Report	2016-09-22T14:41:49-04:00	
Cryptographic Hash Value of File (SHA-512)	496BA86A5E50053D9D00D220F7E0A31CB65527A0BE18BE7C06E491810A0C4D524B15F78E65329568B39EA402C51581257ECB450FD93B43BAA3E880DCA04BC5F2		
ALS_CBOD20_8-16-16.PDF	Laboratory Analytical Report	2016-09-22T14:43:28-04:00	
Cryptographic Hash Value of File (SHA-512)	0855338C92883CFAD21202B44C4991010EB9B8789CB7B0A071402B15F40F3EC4C12EEF87536E22A253D7A4B59C2339C7A768F10D1F139C571D58F4123FEB8692		
ALS_CBOD20_8-2-16.PDF	Laboratory Analytical Report	2016-09-22T14:41:03-04:00	
Cryptographic Hash Value of File (SHA-512)	6D4D2CBC7125D4269029875AE0DBA8D52A7F64F089AE25A57A6600483BEFD93901DCCAF8CC351DAB98EA6B793F91C8168FAD4E1C6F31B01549B32C141F2F70F9		
WRTP_Influent_Aug2016.pdf	Laboratory Analytical Report	2016-09-22T14:40:05-04:00	
Cryptographic Hash Value of File (SHA-512)	01E5F65D4AEC28CC53C99C1869D4F587C0E5BEC8600D32AAAA36435B47111CA41921E98D2A9AB55EFB3CF971F34EA77B1D3E937697B5336AB8EAC0B7EBC3CE27		
WRTP_Process Lab_AUG2016.pdf	Laboratory Analytical Report	2016-09-22T14:40:34-04:00	
Cryptographic Hash Value of File (SHA-512)	1F7B9F50DA4AAC2D4AB05059C600A3051CB534AA1AE54F14D8A523810B86BAB69478E01D0BA049F168BC0DDFC1BC6EED167A46A914612ACA412EEED77AFB98F5		
ALS_CBOD20_8-9-16.PDF	Laboratory Analytical Report	2016-09-22T14:42:17-04:00	
Cryptographic Hash Value of File (SHA-512)	86E4E28C315C4589539D90381312C66ACA61638BCB45391852E70A60532B2F93DC4BD261455572177EDDDD9746B3B41FA02F9183AFAA8984D2054C03B7A536FA		
ALS_CBOD20_8-4-16.PDF	Laboratory Analytical Report	2016-09-22T14:41:28-04:00	
Cryptographic Hash Value of File (SHA-512)	C70D9CB72423669BEF65946FA47147D67E84088E70C914787157736579BEAFA8FC2DE9D5E2CAB1161DCED42003602BEFB2699C55C72BFF45C130852CB17DAB5E		
WRTP_Effluent_Aug2016.pdf	Laboratory Analytical Report	2016-09-22T14:39:44-04:00	
Cryptographic Hash Value of File (SHA-512)	42A48A95B713938478571199B645430D9908E265EEC6A5A6740EA75675AAA8049BE75EEFA68ED3BA5FC09AD41C278D4682D7F7239554142C87F266DFE78B18193		
ALS_Effluent_Aug2016.PDF	Laboratory Analytical Report	2016-09-22T14:39:23-04:00	
Cryptographic Hash Value of File (SHA-512)	7B0B7EBF5D98479529903E845211F971C5814BAFCD6A07652187EA51AA9377AE4E7E43A5F5A779AAA8944F0986408E7FDB1ADA3D5086BA4533DFF3791C7C4887		
ALS_CBOD20_8-30-16.PDF	Laboratory Analytical Report	2016-09-22T14:45:38-04:00	
Cryptographic Hash Value of File (SHA-512)	2D849B5148C5AAE73138D93CAA4638A36DC0DBFDDCCDBFA381B090B8EB4D5A16BC2C025BD9463855D83F6B73211331879CEAB8CD487E2BEFA6AA3C4B11F06A14		
ALS_CBOD20_8-25-16.PDF	Laboratory Analytical Report	2016-09-22T14:44:54-04:00	
Cryptographic Hash Value of File (SHA-512)	06B46B01A56A268B652E7E3EE7A93BE75305E30E5B603C8841293AA46291B166703D164615BF06B14E974E1C499AC3384C1C2DE89FF8277A589B1602DE709602		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ALS_CBOD20_8-28-16.PDF	Laboratory Analytical Report	2016-09-22T14:45:15-04:00	
Cryptographic Hash Value of File (SHA-512)	CCADE7B812FDCFEA025124C60E7FA96AC1E31CE6EF51616F8B7452F7378D46B8D91741B75D5052317B123DAE1ADD36D1105D36280051DE761C99625B028EA372		
ALS_CBOD20_8-23-16.PDF	Laboratory Analytical Report	2016-09-22T14:44:34-04:00	
Cryptographic Hash Value of File (SHA-512)	5D82AE3EEA5567AFF1B285FC216DE353323554ACCB68C3F932EC7977F79DA211DED24EA6730572048F9D5F3ADF9F3104D62872E55A7F782AFFDF8D5BA5130683		
ALS_CBOD20_8-18-16.PDF	Laboratory Analytical Report	2016-09-22T14:43:49-04:00	
Cryptographic Hash Value of File (SHA-512)	99053A220B34B8B5BCD5800B371A207E4C57B3993B6476C7694E729CD64B820B5485DCD14A5F02CDB04F8901A399D0C2066E7F2547DF48111E996EE2186DEF86		

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

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	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	T0403	6108765523

SUBMISSION INFORMATION

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

Submitted By GreenPort User	**DISANTISM**	**Submitted By Full Name**	**Michael DiSantis**
Email Address	disantism@delcora.org	**Document Generated**	9/26/2016

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: 6DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	08	01	TO	16	08	31

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

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

Name/Title Principal Executive Officer Michael J. DiSantis

Phone: 610.876.5523

Date: 09/28/16

Signature of Principal Executive Officer or Authorized Agent

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

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

3800-FM-WSFR0189 6/2006

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

SUPPLEMENTAL LABORATORY ACCREDITATION FORM[1]

Permittee Name: DELCORA

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

PERMIT NUMBER	MONITORING PERIOD Year/Month/Day						
PA0027103	16	08	01	TO	16	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 possibly of fine and imprisonment for knowing violations.

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

Michael J. DiSantis **Date:** 09/28/2016

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

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

3800-FM-BPNPSM0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **August** Year: **2016**
NPDES Permit No.: **PA0027103**
Renewal application due **180 days** prior to expiration
This permit will expire on: **April 30, 2018**

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

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

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
							4,595.52	23.73	1,090.51
			TOTAL:			TOTAL:		TOTAL:	1,090.510

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

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

* See Instructions for explanation.

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

Prepared By: **Michael DiSantis** License No.: **T0403**
Title: **Dir. Of Operations and Maintenance** Date: **September 28, 2016**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: August Year: 2016
NPDES Permit No.: PA0027103
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	30.47			280	71,154	3170.00	1.20	168108		
2	32.23			310	83,327	3555.00	1.53	197148		
3	29.75	346	85,848	550	136,463	3725.00	1.46	211066		
4	30.10			294	73,804	3520.00	1.46	154623		
5	29.26			290	70,768	3515.00	1.41	212495		
6	27.93			204	47,519	3625.00	1.39	222834		
7	27.47			252	57,733	3660.00	1.96	228103		
8	28.24			400	94,209	3125.00	1.42	189128		
9	28.36			306	72,376	3090.00	1.32	200011		
10	28.71	237	56,748	332	79,495	3110.00	1.23	250425		
11	28.81			292	70,160	3165.00	1.11	250505		
12	29.21			330	80,392	3250.00	1.08	174074		
13	29.52			384	94,540	3265.00	1.25	178751		
14	29.67			184	45,530	3660.00	1.72	248912		
15	29.41			498	122,149	2725.00	1.29	148051		
16	28.90			518	124,851	2895.00	1.43	214438		
17	29.64	293	72,429	638	157,712	2820.00	1.28	242974		
18	31.80			430	114,041	2935.00	1.37	219717		
19	31.78			520	137,824	2900.00	1.43	270231		
20	29.53			257	63,294	3110.00	1.72	200338		
21	32.60			230	62,533	3580.00	1.93	196416		
22	30.78			502	128,866	2695.00	1.51	193539		
23	28.94			542	130,817	2365.00	1.40	204422		
24	26.44	167	36,825	306	67,476	2685.00	1.21	188821		
25	25.77			474	101,873	4040.00	1.11	206019		
26	26.40			462	101,721	4010.00	1.07	221450		
27	25.39			318	67,337	3800.00	1.30	224764		
28	25.16			248	52,039	3725.00	1.42	200978		
29	26.28			468	102,574	3325.00	1.18	230557		
30	26.98			472	106,206	3850.00	1.12	228799		
31	26.82	270	60,393	422	94,392	3910.00	1.06	221941		
Avg	**28.785**	**263**	**62,449**	**378**	**90,748**	**3,316**	**1**	**209,666**		
Max	**32.6**	**346**	**85,848**	**638**	**157,712**	**4,040**	**2**	**270,231**		

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

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

License No.: T0403
Date: 9/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0437 3/2012

SUPPLEMENTAL REPORT - HAULED IN MUNICIPAL WASTES

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

Month: August Year: 2016
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 (mg/l)	BOD_5 (lbs)	Disposal Location	Gallons	BOD_5 (lbs)
1	26650			Headworks	63200			Sludge Thickening	49500			Headworks	139,350	0
2	31450			Headworks	57538			Sludge Thickening	179500			Headworks	268,488	0
3	42700			Headworks	113880			Sludge Thickening	152600			Headworks	309,180	0
4	13200			Headworks	94239			Sludge Thickening	148514			Headworks	255,953	0
5	15450			Headworks	96300				109200			Headworks	220,950	0
6				Headworks	97500			Sludge Thickening				Headworks	97,500	0
7				Headworks				Sludge Thickening	43700			Headworks	43,700	0
8	26250			Headworks	64607			Sludge Thickening	110700			Headworks	201,557	0
9	35700			Headworks	104897			Sludge Thickening	110900			Headworks	251,497	0
10	41950			Headworks	71025			Sludge Thickening	127300			Headworks	240,275	0
11	46750			Headworks	71218			Sludge Thickening	124400			Headworks	242,368	0
12	18800			Headworks	56938				12600			Headworks	88,338	0
13				Headworks				Sludge Thickening				Headworks		
14				Headworks				Sludge Thickening				Headworks		
15	20550			Headworks	73638			Sludge Thickening	30000			Headworks	124,188	0
16	24500			Headworks	59023			Sludge Thickening	173300			Headworks	256,823	0
17	30200			Headworks	66956			Sludge Thickening	105400			Headworks	202,556	0
18	34400			Headworks	46500				98700			Headworks	179,600	0
19	22650			Headworks	56500				94200			Headworks	173,350	0
20				Headworks				Sludge Thickening				Headworks		
21				Headworks				Sludge Thickening				Headworks		
22	17200			Headworks	37460			Sludge Thickening	84800			Headworks	139,460	0
23	27950			Headworks	94865			Sludge Thickening	115500			Headworks	238,315	0
24	29250			Headworks	63300			Sludge Thickening	106500			Headworks	199,050	0
25	25050			Headworks	64400				177469			Headworks	266,919	0
26	45950			Headworks	92360				96000			Headworks	234,310	0
27	11500			Headworks				Sludge Thickening	12000			Headworks	23,500	0
28				Headworks				Sludge Thickening				Headworks		
29	24400			Headworks	79889			Sludge Thickening	190500			Headworks	294,789	0
30	30560			Headworks	107480			Sludge Thickening	167600			Headworks	305,640	0
31	27000			Headworks	80549				86000			Headworks	193,549	0
Avg	27,919				75,594				108,275			Monthly Totals:	5,191,205	

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

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

License No.: T0403
Date: 9/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BPNPSM0450 3/2012

SUPPLEMENTAL REPORT - HAULED IN RESIDUAL WASTES

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

Month: August Year: 2016
NPDES Permit No.: PA0027103 A3
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2018

Date	Volume Received (gallons)	License Plate No.	Well Permit No.	Location of Well(s) Generating Wastewater			Wastewater Type	Chemical Analysis Yes/No
				Generator	Address	State		
	2524560			Industrial Wastewater			Production Water	
	185100			Form U Residual Waste			Production Water	
	1960136			Grease			Food Processing	
	4397241			Landfill Leachate			Leachate	
	3371567			Food Processing Wastewater			Food Processing	
Total:	12,438,604							

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

License No.: T0403
Date: 9/28/2016

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

2000-FM-BPNPSM0430 2/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

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

Month: 8 (Enter Number) Year: 2016
Permit No.: PA0027103 A3 Outfall: 001
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2018

Day	Date	Flow	Fecal Coliform	pH	CBOD5	CBOD20	CBOD20	TSS	TSS	TDS	Oil and Grease	TRC	NH3-N	NO3-N	NO2-N	TKN	Total Copper	Total Lead
Stage		1	1	1	1	1	K	1	K	1	1	1	1	1	1	1	1	1
		MGD	CFU/100 ml	S.U.	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 Sun	7/31/16	33.92			4			7	95.89									
Mon	8/1/16	29.96	7	5.59	3			8	98.21	600.00	< 5	0.54						
Tue	8/2/16	31.43	87	5.75	4	7	97.84	6	98.00	700.00	< 5	0.38						
Wed	8/3/16	28.75	13	6.87	8			7	98.73	736.00	< 5	0.42						
Thu	8/4/16	29.07	10	5.83	3	8	98.73	6	97.98	776.00	< 5	0.54					0.0077	< 0.005
Fri	8/5/16	28.46	11	6.94	3			5	98.28		< 5	0.54						
Sat	8/6/16	27.10	12	6.87	3			6	97.00		< 5	0.38						
2 Sun	8/7/16	26.74	1	6.79	3	6	97.40	5	98.02	600.00	< 5	0.59						
Mon	8/8/16	27.63	3	6.85	2			5	98.75	652.00	< 5	0.28	2.82	18.00	0.24	4.70		
Tue	8/9/16	27.40	4	6.91	2	8	98.17	8	97.39	701.00	< 5	0.47						
Wed	8/10/16	27.92	12	6.91	4			6	98.19	704.00	< 5	0.27						
Thu	8/11/16	27.93	27	6.98	4	9	97.60	6	97.05	787.00	< 5	0.45						
Fri	8/12/16	27.81	36	7.01	4			7	97.98		< 5	0.23						
Sat	8/13/16	28.53	104	7.07	4			8	97.92		< 5	0.24						
3 Sun	8/14/16	28.59	7	6.82	4	18	96.98	8	98.08	764.00	< 5	0.34						
Mon	8/15/16	28.42	9	6.57	3			7	98.69	725.00	< 5	0.60						
Tue	8/16/16	27.18	22	6.80	4	11	98.14	7	98.65	842.00	< 5	0.38						
Wed	8/17/16	28.42	20	6.74	5			8	98.75	776.00	< 5	0.44						
Thu	8/18/16	30.92	25	6.90	4	9	97.88	8	98.60	771.00	< 5	0.36						
Fri	8/19/16	31.11	29	6.88	4			7	98.65		< 5	0.39						
Sat	8/20/16	28.66	69	6.99	3	8	98.28	8	97.67		< 5	0.45						
4 Sun	8/21/16	31.72	7	6.73	3			7	98.08	578.00	< 5	0.56						
Mon	8/22/16	30.48	13	6.90	3			8	98.80	536.00	< 5	0.47	0.88	11.40	0.39	1.98		
Tue	8/23/16	28.35	88	6.91	3	7	97.99	7	98.71	727.00	< 5	0.43						
Wed	8/24/16	25.80	34	6.98	3			7	97.71	669.00	< 5	0.48						
Thu	8/25/16	24.82	212	6.98	5	12	98.43	9	98.19	636.00	< 5	0.56						
Fri	8/26/16	25.47	33	6.99	4			9	98.09		< 5	0.38						
Sat	8/27/16	24.29	8	6.95	4			7	97.80		< 5	0.87						
5 Sun	8/28/16	24.04	3	6.77	2	16	97.38	8	98.77	591.00	< 5	0.66						
Mon	8/29/16	25.29	5	6.77	3			7	98.50	594.00	< 5	0.40						
Tue	8/30/16	26.02	8	6.93	5	14	98.38	9	98.09	700.00	< 5	0.36						
Wed	8/31/16	26.67	140	7.02	11			14	96.68	723.00	< 5	0.48						
Thu	9/1/16	29.08			6			11	97.77									
Fri	9/2/16	26.17			6			12	97.44									
Sat	9/3/16	32.15			5			10	97.82									
DMR																		
Daily Minimum (Conc.):			1	5.57	2	6	96.98	5	95.82	538	< 5	0.30	0.00	11.4	0.24	1.98	0.0077	< 0.005
Daily Maximum (Conc):			212	7.07	11	16	98.38	14	98.8	842	< 5	0.87	2.82	18	0.39	4.7	0.0077	< 0.005
Max Avg Weekly (Conc.):					6	16	98.4	10	98.38	776	< 5	1	2.22	13	0.38	4.7	0.0077	< 0.005
Avg Monthly (Conc.):					4	10	98.08	7	97.87	692	< 5	0.4	1.78	12.3	0.27	3.39	0.0077	< 0.005
Geometric Mean (Conc.):			19															
Max Avg Weekly (Load):	28.91				1326	3023		2010		168511	< 1215	114	630	3896	74	1023	2	< 0.7
Avg Monthly (Load):	27.91				888	2179		1634		151848	< 1164	102	493	3017	61	794	2	< 0.7
Total Monthly (Load):	865.36				27540	67560		50660		4711000	< 36081	3169	12791	93388	2000	24628	57	< 22
Daily Minimum (Load):	24.04				500	1338		1116		118000	< 1062	53	116	2296	55	496	2	< 0.7
Daily Maximum (Load):	31.72				2363	3038		3187		201183	< 1323	148	880	2995	74	1063	2	< 0.7

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Title: Dir. Of Operations and Maintenace
License No.: T0403
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