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Delaware County Regional Water Quality Control Authority
Chester, Pennsylvania

CSO Long Term Control Plan

Consent Decree
Semi-Annual Report No. 5

For the Reporting Period of
July 1, 2017 – December 31, 2017

CIVIL ACTION NO. Case 2:15-cv-04652-RB
Filed: 11/10/15

NPDES Permit Number PA0027103 A-1

December 30, 2017

**SEMI-ANNUAL REPORT FY 2017 DECEMBER****SEMI ANNUAL REPORT CERTIFICATION SHEET**
Consent Decree Semi-Annual Report No. 5**For the Reporting Period of July 1, 2017 – December 31, 2017****CIVIL ACTION NO. Case 2:15-cv-04652-RB****Filed: 11/10/15**

December 31, 2017

I certify under penalty of law that the document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

DELCORA MANAGEMENT		
Executive Director	 Signature	<u>12/21/17</u> Date
DELCORA ENGINEERING		
Director of Engineering	 Signature	<u>12/19/17</u> Date
DELCORA OPERATIONS AND MAINTENANCE		
Director of Operation and Maintenance	 Signature	<u>12/21/17</u> Date



SEMI-ANNUAL REPORT FY 2017 DECEMBER

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SEMI-ANNUAL REPORT FY 2017 DECEMBER

Section 1 Introduction

The Delaware County Regional Water Quality Control Authority (DELCORA) entered into a Consent Decree (CD) with the United States Government to establish a schedule for implementation of Long Term Control Plan Update (LTCPU) to achieve full compliance with the Clean Water Act and the regulations and Clean Streams Law and regulations. The lodging of this Consent Decree was entered by the court on August 17, 2015 in Civil Action Case 2:15-cv-04652-RB Document 4 by the United States District Court for the Delaware County Regional Water Quality Control Authority. The Consent Decree was signed and filed on November 10, 2015 by the United States District Court for the Eastern District of Pennsylvania.

Section 2 Consent Decree Progress Reports

On the first Day of each Semi-Annual Period after the Date of Lodging of this Consent Decree and continuing until termination of this Consent Decree, DELCORA will submit to USEPA and PADEP a progress report ("Semi-Annual Progress Report") regarding the implementation of the requirements of the Consent Decree in the previous Semi-Annual Period. The Semi-Annual Progress Report will include at a minimum:

- a. A statement setting forth the deadlines and other terms that DELCORA was required by the Consent Decree to meet since the date of the last Semi-Annual Progress Report, whether and to what extent DELCORA has met these requirements, and the reasons for any noncompliance;
- b. A general description of the work completed within the prior Semi-Annual Period, and a projection of work to be performed pursuant to this Consent Decree during the next or succeeding Semi-Annual Period;
- c. A summary of all contacts with USEPA and PADEP during the reporting period relating to CSOs, SSOs, or implementation of this Consent Decree;
- d. A statement of any exceedances of NPDES Permit limitations; and,
- e. A summary of all CSOs, SSOs, Unauthorized Releases, and Unpermitted Discharges occurring within the Semi-Annual Period including the actual or estimated frequency, duration, and volume of each CSO, SSO, Unauthorized Release, and Unpermitted Discharge.

Section 3 Items Requiring Government Action

Table 1 is a status report for items requiring government action this reporting period. This may include items such as permits and information requests from government agencies. *Appendix 1 – Additional Correspondence* contains the letters of correspondence to government agencies.

Section 4 Deadlines

Table 2 is a status report of 1) the deadlines and other terms that DELCORA was required by this Consent Decree to meet since the date of the last Semi-annual Progress Report; 2) whether and to what extent DELCORA has met these requirements; and 3) the reasons for any non-compliance.

SEMI-ANNUAL REPORT FY 2017 DECEMBER

Section 5 Description of Work Completed Within the Six-Month Period and Projection of Work

Table 3 is a status report of 1) a general description of the work completed within the six-month period; and 2) a projection of work to be performed pursuant to this Consent Decree during the next or succeeding six-month period.

Section 6 Summary of All Contacts with USEPA AND PADEP

Table 4 is a summary of all contacts with the USEPA and PADEP during the report period relating to implementation of this Consent Decree. Table 4 indicates all correspondence requiring USEPA and PADEP response and date of response. *Appendix 2 – Notification Letters* contains copies of the correspondence with USEPA and PADEP which are summarized in Table 4.

Section 7 Statement of Exceedances of NPDES Permit Limitations

Under National Pollutant Discharge Elimination System (NPDES) Permit No. PA0027103, issued and administered by the Pennsylvania Department of Environmental Protection (PADEP), DELCORA is authorized to discharge from the Western Regional Treatment Plant (Outfall 001), four storm water outfalls at the WRTP (028-031) and from 26 combined sewer overflow (CSO) outfalls (002-026, 032, 033) that ultimately discharge to the Delaware River, Chester Creek and/or Ridley Creek.

Table 5 is a summary of any exceedances of NPDES Permit limitations. *Appendix 3 – NPDES Permit Exceedance Report* contains the NPDES Permit exceedance reports generated within this six-month reporting period.

Section 8 Summary of All CSOs, SSOs and Unpermitted Discharges Occuring within the Six-Month Period

Table 6 is a summary of all CSOs, SSOs and Unpermitted Discharges occurring within the six-month reporting period including the actual or estimated frequency, duration and volume of each CSO, SSO and unpermitted discharge. *Appendix 4 – CSOs, SSOs and Unpermitted Discharges Correspondence* contains all CSO correspondence and inspections for the reporting period.

Table 1

Items Requiring Government Action

[illegible]

Table 2

Deadlines for this Reporting Period of
Consent Decree

TABLE 2 DEADLINES FOR THIS REPORTING PERIOD OF CONSENT DECREE DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)			
Reference	Requirement	Deadline in CD	Status (Met Requirement or any Non-compliance)
CD V.A.16: Existing Service Area Characterization	Consent Decree Section V.A.16 requires that <i>"DELCORA shall submit a characterization of the Model Area that includes all of the information required by CSO Control Policy Section II.C.1 and associated guidance to Plaintiffs for review and approval..."</i>	Two years (24 months) after the Date of Lodging of the Consent Decree. Report due 8/17/17	Met Requirement Submitted on 8/15/17
CD V.A.18: Draft Financial Capabilities Assessment	Consent Decree Section IV.35. requires that <i>"Within 60 Days following receipt of any notice from EPA disapproving a submittal or directing modification of a submittal pursuant to the preceding Paragraph (or within a reasonable timeframe stated in the notice, or agreed upon by the Parties), DELCORA shall submit a modified submittal to EPA and PADEP for approval..."</i>	USEPA comments received 8/25/17 Response due within a reasonable timeframe per discussion with USEPA.	Met Requirement Submitted on 10/31/17
CD VII.A.42: PM and Reporting	Consent Decree Section VII.A.42 requires <i>"On the first day of each Semi-Annual period after the Date of Lodging..."</i> DELCORA will submit to USEPA and PADEP a Semi-Annual Progress Report regarding the implementation of the requirements of the Consent Decree in the previous semi-annual period.	Due 1/1/2018	Met Requirement Submitted Semi-Annual Report No. 5 on 12/28/17

Table 3

Work Completed Within the Six-Month
Period and to be Completed in the Next
Six-Month Period

TABLE 3
WORK COMPLETED WITHIN THE SIX-MONTH PERIOD AND TO BE COMPLETED IN THE NEXT SIX-MONTH PERIOD
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

Reference	Work Completed Date	Project/Activity/Request	Deadline in CD/NMC	Status/Comment (Met Requirement or any Non-Compliance)
LTCPU	July 2017 thru December 2017	Held bimonthly Progress Meetings with Greeley and Hansen and sub-consultants. Prepared Monthly Progress Reports and Semi-Annual Report Held internal coordination meetings and teleconferences. Updated LTCPU schedule. Updated Overall LTCPU Schedule with Consent Decree Start Date. Reviewed USEPA comments on previous LTCP.	LTCPU	On-going, On schedule
Consent Decree V.A.15b: Water Quality Model Report	July 2017 thru December 2017	<u>Water Quality Model Report</u> Continued to develop and update the EFDC Water Quality Model, incorporating H&H model results. Reviewed Water Quality Sampling results for calibration and validation of the model. Continued to calibrate and validate the EFDC Water Quality Model. Continued to develop draft Water Quality Model Report. Conducted workshop to review Water Quality Monitoring and Modeling Sampling Report. Submitted UPDATED Water Quality Monitoring and Modeling Work Plan and QAPP.	2/28/18	On-going, On schedule
Consent Decree V.A.16: Existing Service Area Characterization	July 2017 thru August 2017	<u>Service Area Characterization Report</u> Continued to review and analyze available data relevant to Service Area Characterization. Reviewed Water Quality Sampling results. Reviewed H&H modeling results. Developed draft of Existing Service Area Characterization Report for review and comment. Finalized and submitted Existing Service Area Characterization Report.	Two years (24 months) after the Date of Lodging of the Consent Decree. Report due 8/17/17	Met Requirement Report Submitted 8/15/17

TABLE 3
WORK COMPLETED WITHIN THE SIX-MONTH PERIOD AND TO BE COMPLETED IN THE NEXT SIX-MONTH PERIOD
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

Reference	Work Completed Date	Project/Activity/Request	Deadline in CD/NMC	Status/Comment (Met Requirement or any Non-Compliance)
Consent Decree V.A.17: Public Participation Plan	July 2017 thru December 2017	<u>Public Participation Plan</u> Continued to hold Stakeholders meetings. Continued to develop website, newsletter and off-line repository binder. Updated off-line repositories binders. Draft advertisement for 3rd Public Meeting held on December 05, 2017. Placed advertisement in local newspapers. Drafted Agenda for Public Meeting No 3. Drafted and Finalized Public Meeting No 3 Presentation. Conducted 3 rd Public Meeting on December 05, 2017 focusing on Preliminary Screening, Development and Evaluation of Alternatives for CSO Controls. Developed draft of Meeting Notes, Public Comments and Responses.	To be submitted as part of the Final LTCP on 2/17/19.	On-going, On schedule
Consent Decree V.A.18: Financial Capabilities Assessment	August 2017 thru October 2017	<u>Draft Financial Capabilities Assessment (FCA)</u> Researched and corresponded with USEPA regarding precedents for DELCORA's FCA Methodology. Submitted to USEPA/PADEP Technical Memorandum "DELCORA's FCA Methodology." Prepared and submitted responses to USEPA/PADEP comments for draft FCA on 10/31/17. Requested meeting with USEPA to discuss draft FCA	Respond within 60 days of receiving comments	On-going, On schedule
Consent Decree V.A.19: Development and Evaluation of CSO Alternatives	July 2017 thru December 2017	<u>Preliminary Screening of CSO Alternatives Report</u> Reviewed existing plant data. Conducted survey of seven pump stations in DELCORA service area to refine H&H model. Conducted photographic inventory of CSO regulators and outfalls in the City of Chester. Performed comprehensive review of available CSO control technology for preliminary screening according to the Consent Decree, including green infrastructure. Developed CSO technology comparison criteria and comparison tables. Drafted and finalized a presentation, and held Public Meeting No 3 focusing on CSO Control Alternatives on December 5,	To be submitted as part of the Final LTCP on 2/17/19.	On-going, On schedule

TABLE 3
WORK COMPLETED WITHIN THE SIX-MONTH PERIOD AND TO BE COMPLETED IN THE NEXT SIX-MONTH PERIOD
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

Reference	Work Completed Date	Project/Activity/Request	Deadline in CD/NMC	Status/Comment (Met Requirement or any Non-Compliance)
		2017. Continued to develop draft Preliminary Screening of CSO Alternatives Report.		
Consent Decree VII: Reporting	July 2017 thru December 2017	<u>Semi-Annual Report</u> Developed Draft Semi-annual Report and continued to update report to incorporate correspondence and SSO / CSOs and LTCPU progress. Reviewed and discussed draft report at the LTCPU Progress Meeting on 12/20/17. Incorporated Comments and Finalized Report. Submitted Final Report to USEPA on 12/29/2017.	12/31/17	On schedule- All data in this semi-annual report is through December 28, 2017. Next report will include information from December 29, 2017.
Consent Decree V.B.26: Early Action CSO Control Measures	July 2017 thru December 2017	<u>Early Action Items</u> EPS-01 (new PS-06, EPS-01 replacement) Pump Station – Construction is on-going.	12/31/18	On-going, On schedule
Anticipated activities for the next 6 months				
Consent Decree V.A.15b: Water Quality Model Report	N/A	<u>Water Quality Model Report</u> Conduct workshop with DELCORA to review Water Quality Modeling Report and each draft report. Incorporate all comments. Finalize and submit Water Quality Modeling Report to USEPA.	<i>Within sixty (60) Days after the approved Water Quality Model Plan is fully implemented according to the schedule included in WQ Work Plan submit a Water Quality Model Report. Due 2/28/18</i>	On-going, On schedule to Submit Final Report
Consent Decree V.A.17: Public Participation Plan	N/A	<u>Public Participation Plan</u> Continue to hold meetings with stakeholders. Continue to develop website and newsletter and off-line repository binder. Continue to update off-line repositories binders with new reports.	To be submitted as part of the Final LTCP on 2/17/19.	On-going, On schedule

TABLE 3
WORK COMPLETED WITHIN THE SIX-MONTH PERIOD AND TO BE COMPLETED IN THE NEXT SIX-MONTH PERIOD
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

Reference	Work Completed Date	Project/Activity/Request	Deadline in CD/NMC	Status/Comment (Met Requirement or any Non-Compliance)
Consent Decree V.A.18: Financial Capabilities Assessment	N/A	<u>Draft Financial Capabilities Assessment (FCA)</u> Submitted responses to USEPA comments on 10/31/2017. Awaiting comments or final approval from USEPA related to resubmittal of the Draft FCA.	Respond within 60 days of receiving comments	On-going, On schedule
Consent Decree V.A.19: Development and Evaluation of CSO Alternatives	N/A	<u>Preliminary Screening of CSO Alternatives Report</u> Continue to review relevant plant data and models. Continue developing CSO technology comparison tables. Define Water Quality Goals. Develop preliminary alternatives to meet goals. Evaluate Green Infrastructure and other preliminary alternatives through modelling. Finalize and submit Preliminary Screening of CSO Alternatives Report to DELCORA.	To be submitted as part of the Final LTCP on 2/17/19.	On-going, On schedule
Consent Decree V.A.21: Post Construction Monitoring Plan		Develop first draft for post construction monitoring plan.	To be submitted as part of the Final LTCP on 2/17/19.	To be started
Consent Decree V.A.22: Revision of Operation and Maintenance Plans		Develop first draft for revision of operation and maintenance plans.	To be submitted as part of the Final LTCP on 2/17/19.	To be started
Consent Decree V.B.25: Update Nine Minimum Controls		Develop first draft for update to nine minimum controls.	To be submitted with the Final LTCP on 2/17/19.	To be started
Consent Decree VII: Reporting	N/A	<u>Semi-Annual Report</u> Develop Draft Report. Continue to update report to incorporate correspondence and SSO / CSOs and LTCPU progress. Hold Progress Meeting to review draft report. Finalize report and submit Final Semi-Annual Report before 6/29/2018.	7/1/18	On-going, On schedule

Table 4

Summary of All Contacts with the EPA and
the PADEP

TABLE 4
USEPA / PADEP CORRESPONDENCE LOG
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

Date of Letter	Description	Control No.	Response Required	Date of PADEP Response	Date of USEPA Response	Notes
7/31/17	DELCORA letter to USEPA submitting UPDATED Water Quality Modeling and Monitoring Work Plan (Original Submitted 1/11/17).	53	YES	No written response to date	No written response to date	Civil Action Number Case 2:15-cv-04652-RB & DOJ Case Number 90-5-1-1-10972 Water Quality Modeling and Monitoring Work Plan From Michael J. DiSantis
7/31/17	DELCORA letter to USEPA submitting UPDATED Water Quality Monitoring and Modeling Quality Assurance Project Plan. (Original Submitted 1/11/17)	54	YES	No written response to date	No written response to date	Civil Action Number Case 2:15-cv-04652-RB & DOJ Case Number 90-5-1-1-10972 Water Quality Monitoring and Modeling Quality Assurance Project Plan From Michael J. DiSantis
8/15/17	DELCORA letter to USEPA submitting the Existing Service Area Characterization Report	55	YES	No response to date	No response to date	Civil Action Number Case 2:15-cv-04652-RB & DOJ Case Number 90-5-1-1-10972 Existing Service Characterization Report From Michael J. DiSantis
8/17/17	Email to USEPA from Blank Rome LLP, transmitting DELCORA Technical Memorandum entitled "Technical Memorandum for Precedents for DELCORA's FCA Methodology", and request for meeting with USEPA.	56	YES	8/25/17 See Control No 58	8/25/17 See Control No 58	Subject: RE: DELCORA/DRAFT FCA Transmitting Relevant FCA Information
8/25/17	Email to Blank Rome LLP, from USEPA transmitting electronic copy of USEPA Financial Capabilities Assessment (FCA) comments.	57	YES See control No 59	N/A	N/A	Subject: DELCORA Draft Financial Capability Assessment. From: Andrew Dinsmore, Acting Chief NPDES Enforcement Branch.
8/25/17	USEPA letter to Blank Rome LLC transmitting USEPA comments to date on the Draft FCA (Revised April 2017) and acknowledging receipt of the Technical Memorandum.	58	YES See control No 60	N/A	N/A	Re: <i>United States and PADEP v. Delaware County Regional Water Quality Control Authority (DELCORA)</i> , Civil Action No. 15-4652, Draft Financial Capability Assessment (Revised April 2017)
9/7/17	Email to USEPA, from Blank Rome LLP, Margaret Hill, stating receipt of the hard copy of USEPA Draft FCA comments, and 2 nd request for meeting with USEPA	59	YES	No response to date	No response to date	Subject: DELCORA Draft Financial Capability Assessment. From: Andrew Dinsmore, Acting Chief NPDES Enforcement Branch.
10/31/17	DELCORA letter to USEPA submitting responses to USEPA / PADEP comments related to the Draft FCA (Revised April 2017)	60	YES	No response to date	No response to date	Subject: Civil Action Number Case 2: 15-cv-04652-RB & DOJ Case Number 90-5-1-1-10972 Draft Financial Capabilities Assessment Report May2016 (Revised April 2017)
12/28/17	DELCORA letter to USEPA submitting Consent Decree Semi Annual Report No 5, Reporting Period July 1, 2017 – December 31, 2017.	61	See Note 5	N/A	N/A	Civil Action Number Case 2:15-cv-04652-RB & DOJ Case Number 90-5-1-1-10972 Consent Decree Semi Annual Report No 5 From Michael J. DiSantis

NOTES:

1. Copies of Correspondence are in Appendix 2
2. Control numbers 1 thru 19 are included in the Correspondence Log submitted under Semi-Annual Report No. 2
3. Control numbers 20 thru 34 are included in the Correspondence Log submitted under Semi-Annual Report No. 3
4. Control numbers 35 thru 52 are included in the Correspondence Log submitted under Semi-Annual Report No. 4
5. Report has been submitted to USEPA and PADEP per Consent Order requirements. Without notification otherwise, DELCORA considers Consent Decree requirements have been met. See also Table 1 of this report.

Table 5

Summary of any Exceedances of NPDES Permit Limitations

TABLE 5
SUMMARY OF ANY EXCEEDANCES OF NPDES PERMIT LIMITATIONS
DELCORA PERMIT NO. PA0027103 A3
DELCORA SEMI ANNUAL REPORT (7/1/2017 – 12/31/2017)

[illegible]

Table 6

Summary of All CSOs, SSOs and
Unpermitted Discharges Occurring within
the Six-Month Period

TABLE 6
SUMMARY OF ALL CSOs, SSOs and UNPERMITTED DISCHARGES
OCCURRING WITHIN THE SIX-MONTH PERIOD (7/1/2017 – 12/31/2017)

DELCORA Permit No. PA0027103

Date of Occurrence	Location	Event	Frequency	Duration	Volume	Comment
7/28/2017	115 E. Garrison St., Parkside Borough Pipe 3482	SSO	Once	Start time – unknown. Call received at 10:26 AM. Ended 1:39 PM.	Unknown	Report sent 7/31/2017 within 5 days of occurrence. Called PADEP at 11:30 AM, same day of occurrence.
8/22/2017	Manhole #586, 300 block of 10 th Street, Upland Borough	SSO	Once	Start time – unknown. Staff dispatched at 11:45 PM to monitor heavy situation (heavy rains). Ended 1:09 AM.	Unknown	Report sent 8/23/2017 within 5 days of occurrence. Called PADEP at 12:55 AM, same day of occurrence.
8/23/2017	Central Delaware PS, Ridley Township	SSO	Once	Start time – 1:25 AM. Ended 2:25 AM. Observed on site by DELCORA personnel.	Unknown	Report sent 8/24/2017 within 5 days of occurrence. Called PADEP at 2:30 AM, same day of occurrence.
10/31/2017	CSO #2 (Front & Booth St.), CSO #5 (Front & Townsend St.), CSO #7 (Delaware & Reaney St.), Chester City	SSO	Once	Start time – 1:50 PM. Ended 2:15 PM. Alerted via SCADA alarm. Flow discharged to Delaware River but could not be directly observed due to high water levels in the Delaware River.	Unknown	Report sent 11/1/2017 within 5 days of occurrence. Called PADEP at 2:18 PM, same day of occurrence.
11/8/2017	3201 W. Front Street, Chester City (DELCORA W RTP)	SSO	Once	Start time – 9:45 PM. Ended 10:00 PM. Plant staff discovered wastewater spilling out of manhole. Partial blockage in gravity line was identified and flushed to clear blockage.	Unknown (estimated <100 gallons)	Report sent 11/9/2017 within 5 days of occurrence. Called PADEP 11/9/2017 at 9:30 AM, day after occurrence.
12/15/2017	Manhole #345 in front of 947 E. 14 th Street, Chester City	SSO	Once	Start time – 10:45 AM. Ended 11:15 PM. Received a call from a resident regarding water coming from the manhole.	Unknown	Report sent 12/18/2017 within 5 days of occurrence. Called PADEP at 11:20 AM, same day of occurrence.

NOTES:

1. DWO - Dry Weather Overflow; SSO – Sanitary Sewer Overflow; CSO - Combined Sewer Overflow
2. Copy of Reports are in Appendix 4

Appendix 1

Additional Correspondence

(NO ADDITIONAL CORRESPONDENCE
SUBMITTED DURING JULY 2017
TO DECEMBER 2017)

Appendix 2

Notification Letters



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

July 31, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Water Quality Modeling and Monitoring Work Plan Update

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is enclosing an updated copy of the above mentioned report to include final sampling locations and minor corrections in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Sincerely,

Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
enclosure

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

33.
PLANT & MAINTENANCE

☐ 610-876-5523
☐ FAX: 610-497-7950

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Ed Bothwell, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File – Consent Order – LTCP CSO



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

July 31, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Water Quality Monitoring and Modeling
Quality Assurance Project Plan Update

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is enclosing an updated copy of the above mentioned report to include final laboratory procedures and minor corrections in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Sincerely,

Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
enclosure

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

35.

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Ed Bothwell, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File – Consent Order – LTCP CSO



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

August 15, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Existing Service Area Characterization Report

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is enclosing a copy of the above mentioned report in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Sincerely,

Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
enclosure

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

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☐ FAX: 610-497-7950

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File – Consent Order – LTCP CSO

Finizio, Marlene

From: Hill, Margaret A. <mhill@blankrome.com>
Sent: Thursday, August 17, 2017 10:59 AM
To: DiSantis, Michael; Charles Hurst PE* (hurstc@delcora.org); Cronin, Edward; Hope, Michael; Finizio, Marlene
Subject: FW: DELCORA/DRAFT FCA
Attachments: FW: TM for Precedents for DELCORA's FCA Methodology

Importance: High

FYI

From: Hill, Margaret A.
Sent: Thursday, August 17, 2017 10:57 AM
To: 'Yeany, Philip' <Yeany.Philip@epa.gov>
Cc: 'Baptista, Chrisna' <Baptista.Chrisna@epa.gov>; 'Duer, Donna (ENRD)' <Donna.Duer@usdoj.gov>; 'Gelles, William H' <wgelles@pa.gov>
Subject: RE: DELCORA/DRAFT FCA
Importance: High

Phil

As discussed, I am sending relevant information to support DELCORA's approach to the Draft FCA which was submitted to EPA.

We would appreciate your review, and as previously requested, the opportunity to meet with EPA as soon as you are available to discuss this submission.

This is a follow-up to our continued dialogue following the May 22nd meeting.

Regards, Peg

From: Hill, Margaret A.
Sent: Tuesday, July 11, 2017 5:49 PM
To: 'Yeany, Philip' <Yeany.Philip@epa.gov>
Cc: Baptista, Chrisna <Baptista.Chrisna@epa.gov>; Duer, Donna (ENRD) <Donna.Duer@usdoj.gov>; Gelles, William H <wgelles@pa.gov>
Subject: RE: DELCORA
Importance: High

Phil

Since our call on June 23rd, we have been reviewing several FCAs prepared for or by other POTWs. We are preparing some relevant information related to how the FCAs were prepared by those entities in light of our discussions related to: DELCORA's draft FCA and EPA's FCA Guidance (1997 and 2014). We will be submitting a memorandum to you for your review as soon as we have finalized our review of the FCAs. There is clearly a varied pattern and practice in how the FCAs have been prepared.

Regards, Peg

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From: Dinsmore, Andrew [<mailto:Dinsmore.Andrew@epa.gov>]
Sent: Friday, August 25, 2017 4:10 PM
To: Hill, Margaret A. <mhill@blankrome.com>
Cc: wgelles@pa.gov; Baptista, Chrisna <Baptista.Chrisna@epa.gov>; Duer, Donna (ENRD) <Donna.Duer@usdoj.gov>;
Seligman, Andrew <Seligman.Andrew@epa.gov>; Yeany, Philip <Yeany.Philip@epa.gov>; Fericelli, Paul
<fericelli.paul@epa.gov>; Rog, Morgan <Rog.Morgan@epa.gov>
Subject: DELCORA Draft Financial Capability Assessment

Ms. Hill,

I wanted to transmit this letter to you electronically today. I will send the signed hard copy via mail on Monday.

I hope you have a nice weekend.

Sincerely,
Andy Dinsmore
NPDES Enforcement Branch Chief
US EPA, Region III
215-814-2788

*

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 25, 2017

Ms. Margaret Anne Hill
Partner and Chair
Environmental, Energy, and Natural Resources Practice Group
Blank Rome LLP
One Logan Square
Philadelphia, PA 19103

Re: *United States and PADEP v. Delaware County Regional Water Quality Control Authority (DELCORA)*, Civil Action No. 15-4652, Draft Financial Capability Assessment (Revised April 2017)

Dear Ms. Hill:

Thank you for the revised *Draft Financial Capability Assessment Report*, May 2016 (Revised April 2017) (Draft FCA) submitted on behalf of the Delaware County Regional Water Quality Control Authority (DELCORA), pursuant to the requirements of Paragraph 18 of the Consent Decree entered in the referenced case and in response to U.S. Environmental Protection Agency (EPA) comments in its letter dated February 16, 2017. This letter requests two items required to complete DELCORA's Draft FCA and provides comments on the Draft FCA consistent with Paragraph 18 of the Consent Decree.

Paragraph 18 of the Consent Decree requires DELCORA to prepare a draft Financial Capability Assessment in accordance with CSO Control Policy Paragraph II.C.8 and "Combined Sewer Overflows—Guidance for Financial Capability Assessment and Schedule Development," EPA 832-B-97-004, February 1997 (FCA Guidance), and to submit it to EPA and Pennsylvania Department of Environmental Protection (PADEP) for review and comment. This letter summarizes EPA's comments to date on the revised April 2017 *Draft Financial Capability Assessment Report*. We are requesting that DELCORA amend certain tables and text as soon as practicable. We are also providing comments that DELCORA should keep in mind as it moves forward in preparing the final version of the Financial Capability Assessment and in implementing the Consent Decree.



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1. Requiring Amendment to the Draft FCA.

We appreciate that DELCORA's latest revision is responsive to several comments from EPA's letters dated September 15, 2016 and February 16, 2017. DELCORA provided detailed backup for current demographic data; and presented the Residential Indicator results in terms of current dollars and demographic characteristics.

Two related aspects of the Residential Indicator analysis still need to be corrected: the service area and the residential share of costs. These issues are not new, and we discussed them at our last meeting. DELCORA need only to provide the pages corrected and added to its Draft FCA to show its revisions.

- a. Service Area. DELCORA's April 2017 Draft FCA reflected adjustments to the service area used to calculate the Residential Indicator, but failed to meet the service area definition ("Model Area") explicitly established in Paragraph 14.b of the Consent Decree and used in Paragraph 18. Consistent with the Consent Decree definition of the Model Area and with the FCA Guidance,¹ DELCORA's Residential Indicator calculation must include both the entire "Western Service Area" and the entire "Eastern Service Area." As discussed at our May 22, 2017 meeting and consistent with the FCA Guidance and EPA's 2014 Financial Capability Assessment Framework (FCA Framework), DELCORA needs to incorporate all current and projected costs for all the authorities in the Eastern Service Area for which DELCORA collects and sends wastewater to the Philadelphia wastewater treatment plant. The Residential Indicator calculation should also include DELCORA's expected payments to Philadelphia for treatment and Long Term Control Plan (LTCP) costs based on available documentary evidence.²
- b. Residential Share of Costs. DELCORA also needs to calculate the Residential Share of Costs relative to the entire Model Area as defined above. The Residential Share of Costs defines the share of costs assigned to total number of households in the permittee's total wastewater service area. The Residential Share of Costs must be based on total flows generated by residential users throughout the Model Area relative to the total wastewater flows generated. The Residential Share of Costs is to be estimated by determining the flow billed to households relative to total flow billed overall by the utility.³ Note that the reference point is households, not residential customers. Generally, we accept residential flow estimates that add residential customer flow plus an estimate of the flow generated by households in multifamily buildings that are commercial customers. The Residential Indicator is not a calculation to set rates, but is used to determine whether CSO controls will produce a possible high, midrange, or low financial impact on the permittee's residential users.

2. Comments on the Draft FCA. A number of issues have arisen in discussions with DELCORA regarding the Draft FCA. We offer the following comments as provided for in the Consent Decree. These comments should help DELCORA as it moves into the identification and

¹ Cost Per Household (CPH) is calculated by dividing residential share of costs by "the total number of households (line 108) in the permittee's total wastewater service area." FCA Guidance, Page 14.

² "Communities should demonstrate how the CWA work included as costs in the financial capability assessment will be implemented, including appropriate assurances that those expenditures will be made." FCA Framework, Page 3.

³ This assumes that infiltration and inflow are allocated to customers in the same proportion as billed flow.

evaluation of technical alternatives to control CSOs and the process for approval of DELCORA's revised and updated LTCP.

- a. Calculating Residential Indicator based on Wet Weather Flow volume. DELCORA's calculation of the Residential Indicator based on Wet Weather Flow volume assigns the majority of CSO flows to Chester City, when, in fact, Chester City is a small proportion of the entire Model Area relative to the total wastewater flow treated or the number of households in the Model Area. As part of the Residential Indicator calculations from the FCA Guidance, the residential share of total costs is proportionate to the residential portion of "total wastewater flow," not wet weather flow. FCA Guidance, Page 14. In addition, the Cost Per Household (CPH) calculation takes into account the current costs for existing wastewater treatment operations and the projected costs for any proposed wastewater treatment and CSO controls. DELCORA's existing wastewater operations at the Western Regional Treatment Plant include treatment of combined and separate flows during dry and wet weather conditions. Therefore, both dry and wet weather flows need to be considered in the CPH calculation.
- b. Goal of 1997 FCA Guidance and Relationship to CD Requirements: A Financial Capability Assessment combines the Residential Indicator and Permittee Financial Capability Indicator to give an overall assessment of DELCORA's financial capability. DELCORA's Draft FCA states that "[t]he CSO LTCP will be designed and constructed as required to meet the Consent Decree deadline of August 2035 to the limit of Chester City's financial capability." DELCORA misconstrues the purpose of a FCA. The intent of the 1997 FCA Guidance and its use under the Consent Decree is not to limit the design or scope of the CSO controls to a particular geographic area within the overall permittee service area. This assessment is used to help establish an appropriate CSO control implementation schedule. Pursuant to Paragraph 9 of the Consent Decree, the selected CSO controls set forth in the LTCP shall be designed to meet the overarching goals of bringing all CSO discharge points into full compliance with the technology-based and water quality-based requirements of the CWA and minimizing the impacts of CSOs on water quality, aquatic biota, and human health. Furthermore, Paragraph 19 of the Consent Decree states that available CSO control technologies are not intended to be limited by cost, and requires DELCORA to identify an appropriately broad range of technically feasible CSO controls for detailed evaluation, regardless of the cost of each technically feasible CSO control.
- c. Summary of Previous EPA Comments: Since DELCORA's April 2017 Draft FCA was submitted, EPA, PADEP, and DELCORA have had one in-person meeting on May 22, 2017, and two phone calls, which took place on June 1, 2017 and June 23, 2017. There were a number of questions exchanged between EPA, PADEP, and DELCORA during those discussions, some of which were outside the scope of the Draft FCA. The following responses provide our reply to those questions:
 - i. Kimberly-Clark. DELCORA asked whether Kimberly-Clark would be responsible for LTCP costs proportionate to its flow to the treatment plant. The CSO Control Policy recommends that the municipality consider sources of funding in determining the phasing of construction projects, which can include the availability of grants and loans; previous and current *residential, commercial, and*

industrial sewer user fees and rate structures; and other viable funding mechanisms. Emphasis added. The EPA document, “CSOs: Guidance for Funding Options” (1995) states that “because CSO controls benefit the whole service area, permittees should recognize that, in most cases, it will be necessary to use a fee structure that distributes the CSO control costs among all system customers. Recovering costs through increases to system-wide user fees will distribute the cost increases more broadly.” The specific rate design that a utility develops is largely in its discretion. The FCA is a uniform and consistent methodology for evaluating the financial impact of proposed CSO LTCP costs and not appropriate for setting rates. Utility rate structures are designed to generate revenues to cover costs and assure that various financial ratios are met. Utility rate design can range from simple to complex, including charges for concentrated waste discharge or lower cost for higher volume customers. Ultimately, the rate design is up to the permittee, balancing the revenue requirements with allocation of costs to various types of customers.

Further, as part of the CSO Policy’s Nine Minimum Controls and LTCP requirements, the permittee’s publicly owned treatment works (POTW) options are an integral part of the alternatives evaluation process. Specifically, the CSO Policy states that the LTCP should consider expansion of POTW secondary and primary capacity in the CSO abatement alternative analysis. Thus, the permittee should take into account any industrial flow to the treatment plant relative to the POTW’s role in addressing CSOs.

- ii. 2014 Framework. DELCORA asked EPA to state its position about the relationship between the FCA Framework and the FCA Guidance. The cover memorandum that EPA issued to accompany the FCA Framework notes that the FCA Guidance provides an aid for assessing financial capability as part of negotiating schedules for implementing CWA requirements for municipalities and local authorities. The FCA Guidance also encourages permittees “to submit any additional documentation that would create a more accurate and complete picture of their financial capability” that may “affect the conclusion” of the analysis described in the guidance. The FCA Framework identifies the key elements EPA uses in working with permittees to evaluate how their financial capability should influence schedules. In addition, the FCA Framework provides examples of additional information that may help some communities provide a “more accurate and complete picture” of their financial capability as is envisioned in the FCA Guidance.
- iii. Incorporation of dry weather flow. DELCORA asked whether every EPA-approved FCA requires that all dry weather flow areas be included in the FCA and whether there is any provision in the FCA or LTCP/CSO guidance that supports the position that all areas contributing dry weather flows must be included for FCA purposes. The FCA Guidance does not provide for how DELCORA will apportion costs of the LTCP, other than the Residential Indicator calculations, which identifies the impact of wastewater and CSO control costs on individual households based on a flow-based allocation. As part of the Residential Indicator calculations from the FCA Guidance, the residential share of total costs

is proportionate to the residential portion of “total wastewater flow,” not wet weather flow. FCA Guidance, Page 14. In addition, the Cost Per Household portion of the Residential Indicator is calculated by dividing the residential share of WWT and CSO costs by “the number of households in the permittee’s total wastewater service area,” not just households that contribute dry weather flows. FCA Guidance, Page 12.

- iv. Proportionate share. DELCORA asked EPA to consider the CWA principles of “proportionate share.” EPA’s FCA Guidance was developed, in part, based on the experience of EPA in the Construction Grants program. EPA’s Construction Grants regulations require that a grantee’s user charge system, if not using ad valorem taxes, “shall provide that each user (or user class) pays its proportionate share of operation and maintenance (including replacement) costs of treatment works within the grantee’s service area, based on the user’s proportionate contribution to the total wastewater loading from all users (or user classes).” 40 C.F.R. 35.2140(a). The CSO Control Policy states that “each permittee is ultimately responsible for aggressively pursuing financial arrangements for the implementation of its long-term CSO control plan.” Placing almost all of the financial responsibility upon the City of Chester for implementing the LTCP is not consistent with the CWA principle of “proportionate share” of the DELCORA’s treatment and conveyance costs, given that DELCORA should be examining a broad range of compliance options within its overall system. As noted above, the City of Chester is a relatively small proportion of the overall service area and total wastewater loading. Disproportionately burdening the City of Chester would avoid DELCORA’s responsibilities under its NPDES permit, the CSO Policy and the Clean Water Act.

3. **Response to Information Submitted on August 17, 2017.** Thank you for providing additional information related to DELCORA’s FCA methodology, received by EPA on August 17, 2017. EPA encourages permittees to submit any additional documentation that would create a more accurate and complete picture of their financial capability, but we must stress that the FCA analysis is designed to measure the permittee’s, i.e., DELCORA’s, financial capability to implement CSO controls and therefore review of other cases is not particularly useful.

The purpose of an FCA is to inform development of a CSO LTCP schedule and is not a cost-allocation or rate setting exercise. As part of the long term planning process, DELCORA is responsible for identifying existing user fees and rate structures for wastewater treatment and then developing a new rate structure to finance and implement CSO controls. While this is related to financial capability, it is not part of the FCA. We also reiterate that the FCA Guidance is meant to provide a common basis for financial burden discussions with the permittee when the permittee has identified its CSO control options. In order to maintain this basis for a general comparison of financial conditions between communities across the country, the FCA Guidance provides straightforward calculations that are intended to assess a permittee’s financial capability. As noted in the FCA Framework, EPA allows municipalities to submit other relevant financial or demographic information that illustrates the unique or atypical circumstances the permittee faces, allowing for a case-specific assessment of local considerations, including financing and technical implementation. Given the case-specific nature of each FCA, comparisons are of limited utility.

As noted above, there are two items DELCORA needs to provide to complete its Draft FCA. Please send the information at your earliest convenience. Replacement pages and any additional addendum will be sufficient. Consistent with Paragraph 18 of the Consent Decree, this letter also summarizes EPA comments to date on DELCORA's Draft FCA submittals. EPA intends to review the proposed final FCA in accordance with Paragraphs 18 and 34 of the Consent Decree when it is submitted concurrently with the revised and updated LTCP. If you have any questions concerning this letter, please call Philip Yeany at 215-814-2495 or contact him at yeany.philip@epa.gov.

Sincerely,

/s/ Andrew Dinsmore, Chief
NPDES Enforcement Branch

cc: Andrew Seligman
Philip Yeany
Paul Fericelli
Chrisna Baptista
Morgan Rog
Donna Duer
William Gelles

From: Hill, Margaret A.
Sent: Thursday, September 7, 2017 7:46 PM
To: 'Dinsmore, Andrew' <Dinsmore.Andrew@epa.gov>
Cc: wgelles@pa.gov; Baptista, Chrisna <Baptista.Chrisna@epa.gov>; Duer, Donna (ENRD) <Donna.Duer@usdoj.gov>; Seligman, Andrew <Seligman.Andrew@epa.gov>; Yeany, Philip <Yeany.Philip@epa.gov>; Fericelli, Paul <fericelli.paul@epa.gov>; Rog, Morgan <Rog.Morgan@epa.gov>
Subject: RE: DELCORA Draft Financial Capability Assessment
Importance: High

Dear Andy

I received the hard copy of your comments in my office on Friday, September 1, 2017 (they were mailed from your office on August 29th) and we are reviewing. We will provide our response to EPA as soon as is practicable as requested.

We also reiterate our request for a meeting to discuss the FCA and your most recent comments. As you know, we have requested this meeting several times since our last in person meeting ended on May 22, 2017.

Please advise as to your availability to meet in the Fall.

Thank you,

Margaret Anne Hill
Partner and Chair,
Energy, Environment and Mass Torts Practice Group
Blank Rome LLP
One Logan Square
Philadelphia, PA 19103
215-569-5331
215-500-7585 (Cell)
And
1825 Eye Street, NW
Washington, D.C. 20006
202-420-2915
[*MHill@BlankRome.com*](mailto:MHill@BlankRome.com)



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

October 31, 2017

FED EX - NEXT DAY

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager - Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB &
DOJ Case Number 90-5-1-1-10972
DELCORA CSO Long Term Control Plan Update
Draft Financial Capability Assessment Report May 2016
(Revised April 2017)

Dear Sir/Madam:

By this letter the Delaware County Regional Water Quality Control Authority is providing the following responses to USEPA / PADEP comments related to the above mentioned report in accordance with the requirements of the Consent Decree.

DELCORA Responses to USEPA / PADEP Comments (including referenced attachment):

Two related aspects of the Residential Indicator analysis still need to be corrected: the service area and the residential share of costs. These issues are not new, and we discussed them at our last meeting. DELCORA need only to provide the pages corrected and added to its Draft FCA to show its revisions.

1. Requiring Amendment to the Draft FCA

Comment:

- a. Service Area. DELCORA's April 2017 Draft FCA reflected adjustments to the service area used to calculate the Residential Indicator, but failed to meet the service area definition ("Model Area") explicitly established in Paragraph 14.b of the Consent Decree and used in Paragraph 18. Consistent with the Consent Decree definition of the Model Area and with the FCA Guidance, DELCORA's Residential Indicator calculation must include both the entire "Western Service Area" and the entire "Eastern Service Area." As discussed at our May 22, 2017 meeting and consistent with the FCA Guidance and EPA's 2014 Financial Capability Assessment Framework (FCA Framework), DELCORA needs to incorporate all current and projected costs

51.

ADMINISTRATION

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for all the authorities in the Eastern Service Area for which DELCORA collects and sends wastewater to the Philadelphia wastewater treatment plant. The Residential Indicator calculation should also include DELCORA's expected payments to Philadelphia for treatment and Long Term Control Plan (LTCP) costs based on available documentary evidence.

Response:

- *First, in negotiations with the Department of Justice and EPA, DOJ Counsel Marcello Mollo and EPA acknowledged and agreed that wastewater flows from the Eastern Service Area (excluding the Central Authority flows which can be delivered to the DELCORA WRTP or the Philadelphia WWTP) do not hydraulically connect to, or directly affect or indirectly affect the DELCORA WRTP, and more importantly, that this "fact" would be acknowledged as part of the DELCORA FCA submission. In brief, the government agreed that EPA's FCA Guidance document considers unique circumstances and facts associated with individual wastewater treatment systems. DELCORA incorporated its unique circumstances in the preparation of its draft FCA; specifically, the Eastern Service Area does not discharge, nor can it discharge to the DELCORA WRTP.*
- *Second, EPA's view is contrary to the unambiguous definition of the "Model Area" because it excludes and ignores certain portions of that definition. In EPA's view, the Model Area includes the entire Western Service Area and Eastern Service Area without exception. Paragraph 14 b. defines the Model Area to include: "hydrologic representation of all areas tributary to the entire Collection System, as well as all areas tributary to all municipal wastewater collection and transmission systems that are, as of the date the LTCP is submitted, hydraulically connected to, or that directly or indirectly influence flow to, the CSOs and/or the WRTP, regardless of who owns or operates the system(s), including but not limited to the entire "Western Service Area" and "Eastern Service Area" depicted on Figure 1-2 of the Long-Term Control Plan submitted by DELCORA in April 2012, and attached as Appendix A hereto (collectively, the "Model Area")."*
- *EPA seizes upon the language underlined above in concluding that the applicable Model Area must include the DELCORA's entire service area (Western and Eastern) without any regard to hydraulic connectivity or impacts upon the WRTP or CSOs. This interpretation ignores and renders meaningless the non-bolded language in the definition set forth above and is contrary to DELCORA's and DOJ's intent during negotiations of the Consent Decree. A more reasonable interpretation would give effect to both clauses meaning that the Model Area includes all areas in the Western and Eastern Service Areas to the extent that those areas are hydraulically connected or directly or indirectly influence flow to the CSOs and /or the WRTP.*
- *It should also be noted that the current version of the FCA is a "Draft". The FCA will continue to be updated and the final version will be included with the completion of the Long Term Control Plan Update.*

Comment:

- b. Residential Share of Costs. DELCORA also needs to calculate the Residential Share of Costs relative to the entire Model Area as defined above. The Residential Share of Costs defines the share of costs assigned to total number of households in the permittee's total wastewater service area. The Residential Share of Costs must be based on total flows generated by residential users throughout the Model Area relative to the total wastewater flows generated. The Residential Share of Costs is to be estimated by determining the flow billed to households

relative to total flow billed overall by the utility. Note that the reference point is households, not residential customers. Generally, we accept residential flow estimates that add residential customer flow plus an estimate of the flow generated by households in multifamily buildings that are commercial customers. The Residential Indicator is not a calculation to set rates, but is used to determine whether CSO controls will produce a possible high, midrange, or low financial impact on the permittee's residential users.

Response:

See the response to "a" above.

2. **Comments on the Draft FCA.** *A number of issues have arisen in discussions with DELCORA regarding the Draft FCA. We offer the following comments as provided for in the Consent Decree. These comments should help DELCORA as it moves into the identification and evaluation of technical alternatives to control CSOs and the process for approval of DELCORA's revised and updated LTCP.*

Comment:

- a. Calculating Residential Indicator based on Wet Weather Flow volume. DELCORA's calculation of the Residential Indicator based on Wet Weather Flow volume assigns the majority of CSO flows to Chester City, when, in fact, Chester City is a small proportion of the entire Model Area relative to the total wastewater flow treated or the number of households in the Model Area. As part of the Residential Indicator calculations from the FCA Guidance, the residential share of total costs is proportionate to the residential portion of "total wastewater flow," not wet weather flow. FCA Guidance, Page 14. In addition, the Cost Per Household (CPH) calculation takes into account the current costs for existing wastewater treatment operations and the projected costs for any proposed wastewater treatment and CSO controls. DELCORA's existing wastewater operations at the Western Regional Treatment Plant include treatment of combined and separate flows during dry and wet weather conditions. Therefore, both dry and wet weather flows need to be considered in the CPH calculation.

Response:

Attached are Responses to USEPA comments received February 23, 2017. See response to Comment No. 2. Totalizing all dry and wet weather flows and dividing that flow per residential customers does not characterize the true residential burden of addressing the excess wet weather flow in the system.

Comment:

- b. Goal of 1997 FCA Guidance and Relationship to CD Requirements. A Financial Capability Assessment combines the Residential Indicator and Permittee Financial Capability Indicator to give an overall assessment of DELCORA's financial capability. DELCORA's Draft FCA states that "[t]he CSO LTCP will be designed and constructed as required to meet the Consent Decree deadline of August 2035 to the limit of Chester City's financial capability." DELCORA misconstrues the purpose of a FCA. The intent of the 1997 FCA Guidance and its use under the Consent Decree is not to limit the design or scope of the CSO controls to a particular geographic area within the overall permittee service area. This assessment is used to help establish an appropriate CSO control implementation schedule. Pursuant to Paragraph 9 of the Consent Decree, the selected CSO controls set forth in the LTCP shall be designed to meet the overarching goals of bringing all CSO discharge points into full compliance with the technology-based and water quality-based requirements of the CWA and minimizing the impacts of CSOs on water quality, aquatic biota, and human health. Furthermore, Paragraph 19 of the Consent Decree states that available CSO control technologies are not intended to be limited by cost, and requires DELCORA to identify an appropriately broad range of

technically feasible CSO controls for detailed evaluation, regardless of the cost of each technically feasible CSO control.

Response:

DELCORA will provide a full range of level of control alternatives that are consistent with the National CSO Policy and the Consent Decree. The LTCP will include a schedule for implementation based on various factors including construction phasing. Also attached are responses to USEPA comments received February 23, 2017. See response to Comment No. 3.

Comment:

c. Summary of Previous EPA Comments. Since DELCORA's April 2017 Draft FCA was submitted, EPA, PADEP, and DELCORA have had one in-person meeting on May 22, 2017, and two phone calls, which took place on June 1, 2017 and June 23, 2017. There were a number of questions exchanged between EPA, PADEP, and DELCORA during those discussions, some of which were outside the scope of the Draft FCA. The following responses provide our reply to those questions:

- i. Kimberly-Clark. DELCORA asked whether Kimberly-Clark would be responsible for LTCP costs proportionate to its flow to the treatment plant. The CSO Control Policy recommends that the municipality consider sources of funding in determining the phasing of construction projects, which can include the availability of grants and loans; previous and current residential, commercial, and industrial sewer user fees and rate structures; and other viable funding mechanisms. Emphasis added. The EPA document, "CSOs: Guidance for Funding Options" (1995) states that "because CSO controls benefit the whole service area, permittees should recognize that, in most cases, it will be necessary to use a fee structure that distributes the CSO control costs among all system customers. Recovering costs through increases to system-wide user fees will distribute the cost increases more broadly." The specific rate design that a utility develops is largely in its discretion. The FCA is a uniform and consistent methodology for evaluating the financial impact of proposed CSO LTCP costs and not appropriate for setting rates. Utility rate structures are designed to generate revenues to cover costs and assure that various financial ratios are met. Utility rate design can range from simple to complex, including charges for concentrated waste discharge or lower cost for higher volume customers. Ultimately, the rate design is up to the permittee, balancing the revenue requirements with allocation of costs to various types of customers.

Further, as part of the CSO Policy's Nine Minimum Controls and LTCP requirements, the permittee's publicly owned treatment works (POTW) options are an integral part of the alternatives evaluation process. Specifically, the CSO Policy states that the LTCP should consider expansion of POTW secondary and primary capacity in the CSO abatement alternative analysis. Thus, the permittee should take into account any industrial flow to the treatment plant relative to the POTW's role in addressing CSOs.

Response:

The alternatives analysis will include a review of maximizing flow to the POTW. DELCORA agrees that the specific rate design that a utility develops is largely in its discretion and that the rate design is up to the permittee. DELCORA will consider the other rate impacts as part of the development of the LTCP."

- ii. 2014 Framework. DELCORA asked EPA to state its position about the relationship between the FCA Framework and the FCA Guidance. The cover memorandum that EPA

issued to accompany the FCA Framework notes that the FCA Guidance provides an aid for assessing financial capability as part of negotiating schedules for implementing CWA requirements for municipalities and local authorities. The FCA Guidance also encourages permittees "to submit any additional documentation that would create a more accurate and complete picture of their financial capability" that may "affect the conclusion" of the analysis described in the guidance. The FCA Framework identifies the key elements EPA uses in working with permittees to evaluate how their financial capability should influence schedules. In addition, the FCA Framework provides examples of additional information that may help some communities provide a "more accurate and complete picture" of their financial capability as is envisioned in the FCA Guidance.

Response:

Additional information was provided to USEPA on August 17, 2017 that describes DELCORA's unique circumstances.

- iii. Incorporation of dry weather flow. DELCORA asked whether every EPA-approved FCA requires that all dry weather flow areas be included in the FCA and whether there is any provision in the FCA or LTCP/CSO guidance that supports the position that all areas contributing dry weather flows must be included for FCA purposes. The FCA Guidance does not provide for how DELCORA will apportion costs of the LTCP, other than the Residential Indicator calculations, which identifies the impact of wastewater and CSO control costs on individual households based on a flow-based allocation. As part of the Residential Indicator calculations from the FCA Guidance, the residential share of total costs is proportionate to the residential portion of "total wastewater flow," not wet weather flow. FCA Guidance, Page 14. In addition, the Cost Per Household portion of the Residential Indicator is calculated by dividing the residential share of WWT and CSO costs by "the number of households in the permittee's total wastewater service area," not just households that contribute dry weather flows. FCA Guidance, Page 12.

Response:

See response to Comment 2a above.

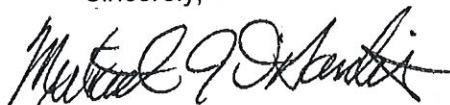
- iv. Proportionate share. DELCORA asked EPA to consider the CWA principles of "proportionate share." EPA's FCA Guidance was developed, in part, based on the experience of EPA in the Construction Grants program. EPA's Construction Grants regulations require that a grantee's user charge system, if not using ad valorem taxes, "shall provide that each user (or user class) pays its proportionate share of operation and maintenance (including replacement) costs of treatment works within the grantee's service area, based on the user's proportionate contribution to the total wastewater loading from all users (or user classes)." 40 C.F.R. 35.2140(a). The CSO Control Policy states that "each permittee is ultimately responsible for aggressively pursuing financial arrangements for the implementation of its long-term CSO control plan." Placing almost all of the financial responsibility upon the City of Chester for implementing the LTCP is not consistent with the CWA principle of "proportionate share" of the DELCORA's treatment and conveyance costs, given that DELCORA should be examining a broad range of compliance options within its overall system. As noted above, the City of Chester is a relatively small proportion of the overall service area and total wastewater loading. Disproportionately burdening the City of Chester would avoid DELCORA's responsibilities under its NPDES permit, the CSO Policy and the Clean Water Act.

Response:

See responses to Comments 1b and 2a above.

If there are any questions, please contact me. Thank You.

Sincerely,



Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
attachment

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File- Consent Order- LTCP CSO

DELCORA LTCPU Task 9: DRAFT Financial Capabilities Assessment Report (rev. Nov. 2016)
Responses to USEPA and PADEP Concerns (Comments received February 23, 2017) DUE April 24, 2017

No.	Reviewer Name	Report Reference	Review Concerns	Response to Concerns
1	EPA/PADEP	Page 1-4	<p>1. Model Area: Consistent with the terms of the Consent Decree, the Model Area must include the entire Eastern Service Area. DELCORA has expanded the FCA's discussion of the basis for having the Model Area include the Western Service Area plus the Central Authority of the Eastern Service Area (Page 1-4, FCA). However, DELCORA's exclusion of the rest of the Eastern Service Area in its assessments is inconsistent with the Consent Decree.</p> <p>Paragraph 18 of the Consent Decree requires that the Financial Capability Assessment include:</p> <p>information on sewer rate setting and median household income and number of households in the <u>entire Model Area</u> (as defined in Paragraph 14.b above), as well as information on all other financial resources available to DELCORA. [Emphasis added.]</p> <p>Paragraph 14.b of the Consent Decree defines "Model Area" to include: all areas tributary to the entire Collection System, as well as all areas tributary to all municipal wastewater collection and transmission systems that are, as of the date the LTCP is submitted, hydraulically connected to, or that directly or indirectly influence flow to, the CSOs and/or the WRTP, regardless of who owns or operates the system(s), including <u>but not limited to</u> the entire "Western Service Area" and "<u>Eastern Service Area</u>." [Emphasis added.]</p>	<p>Paragraph 14.b of the Consent Decree defines the "Model Area" as: all areas tributary to the entire Collection System, as well as all areas tributary to all municipal wastewater collection and transmission systems <u>that are, as of the date the LTCP is submitted, hydraulically connected to, or that directly or indirectly influence flow to, the CSOs and/or the WRTP</u>, regardless of who owns or operates the system(s), including but not limited to the entire "Western Service Area" and "Eastern Service Area." [Emphasis added.]</p> <p>We examined the entire "Western Service Area" and "Eastern Service Area" and found that <u>only the "Western" service area and "Central" portion of the Eastern service area are hydraulically connected to, or directly or indirectly influence flow to the CSOs and/or the WRTP</u>. Therefore, in compliance with the Consent Decree, the entire "Model Area" is defined by the "Western Service Area" and "Central" portion of the "Eastern Service Area," since these areas are hydraulically connected to and/or directly or indirectly influent flow to teh CSOs and/or the WRTP.</p> <p>The remainder of the "Eastern Service Area" flows to the Philadelphia SW plant. This portion of the Eastern Service Area <u>is not hydraulically connected to the WRTP and does not directly or indirectly influence plant flow at the DELCORA WRTP or to CSO outfalls in Chester City</u>.</p>
			<p>1. (cont.) Financially and operationally, DELCORA controls the wastewater flows discharged from the Eastern Service Area and Western Service Area. In the Eastern Service Area, DELCORA owns and operates the three major pumping stations that transmit the wastewater from the Central Delaware County Authority, the Muckinipates Authority and the Darby Creek Authority. DELCORA is responsible for conveying the Eastern Service Area wastewater to DELCORA's WRTP via the DELCORA's central diversion force main or through DELCORA's eastern force mains to the City of Philadelphia's Southwest Water Pollution Control Plant (SWWPCP). DELCORA controls the wastewater flow from the DELCORA's Central Delaware Pump Station that goes either to the WRTP or to the SWWPCP. If flows to the central diversion force main exceed 20 MGD, DELCORA can divert the flow to the SWWPCP. If the flows from the three pump stations to the SWWPCP exceed the limits in the contract with Philadelphia, DELCORA can send more flow to the WRTP up to a maximum of 20 MGD.</p> <p>DELCORA has a contract with Philadelphia to pay for both treatment and a portion of Philadelphia's LTCP costs. As listed above, DELCORA owns the pump stations and force mains located within the Eastern Service Area that transmit wastewater to either the SWWPCP or the WRTP. DELCORA needs to revise the FCA to include the entire Eastern Service area, including the costs of sending wastewater flow to the Philadelphia treatment plant and related Philadelphia LTCP costs.</p>	<p>The Central Delaware Pump Station pumps flow only from the Central Delaware County Authority service area. Normally, flow from this pump station is pumped into the central diversion force main which conveys flow to the WRTP. When flows from this pump station exceed 20 MGD, the excess portion is diverted to the Philadelphia SWWPCP. However, flows from the Muckinipates And Darby Creek Joint Authority service areas do not pass through the Central Delaware Pump Station and cannot be diverted into the central diversion force main. Flows from the Muckinipates and Darby Creek pump stations are conveyed to the Philadelphia SWWPCP only.</p> <p>The only flow that can be diverted from the Eastern Service area to the WRTP is flow originating from the Central Delaware County Authority. As such, this portion of the of the Eastern Service Area is included in the Draft FCA.</p>

DELCORA LTCPU Task 9: DRAFT Financial Capabilities Assessment Report (rev. Nov. 2016)
Responses to USEPA and PADEP Concerns (Comments received February 23, 2017) DUE April 24, 2017

No.	Reviewer Name	Report Reference	Review Concerns	Response to Concerns
2	EPA/PADEP	Pages 4-3 and 4-4	2. Allocation of Financial Capability Based on Wet Weather Flow Relative to Combined Sewers' Documentation. In response to our comment, DELCORA appears to have adjusted the analysis slightly with respect to taking a fuller engineering-based examination of a wide range of options involving the service area beyond Chester City. (Item 4 below also relates to this.) As EPA noted in its letter of September 15, 2016, DELCORA must consider, among other things, "inflow and infiltration to sanitary sewers that may occur during storm events and the impacts of the various control alternatives on such inflow and infiltration." The impact of the calculations described on pages 4-3 and 4-4 of the FCA on DELCORA's ultimate analysis and approach to resolving the CSO and other compliance issues remains unclear. The FCA needs to have a more detailed and transparent explanation of the basis for the calculations and the calculations' impact on the analysis and approach to resolving CSO and other compliance issues.	As described on page 4-3 of the revised report, allocation of costs was based on the customer contribution to CSO volume as well as excess volume generated from separate sewer communities. A review of the WRTP hourly flow records were used to estimate allocation for wet weather flows as the basis to assign costs to communities served by separate sewer systems. The original calculations are based on the hourly records and indicated that 3% of the wet weather flow would have been allocated to other communities and 97% to Chester City. In order to be conservative, this was revised for the draft FCA to be 15% to other communities and 85% to Chester City. The basis for calculation of the allocation along with the backing flow data is included in the revised Appendix. Also, as mentioned in the Draft FCA, the allocation will be revised for the final FCA (to be included as part of the revised LTCP Update) based on the updated, calibrated, and validated hydrologic and hydraulic model. Regarding "...impacts of various control alternatives...", please note that no alternatives have been considered at this time since the Draft FCA is being prepared prior to the LTCP alternative analysis. Alternatives will be presented in the LTCP Update and the FCA will be revised as necessary as part of the LTCP Update.
3	EPA/PADEP	Appendices 6 through 13	3. Backup for Current and Demographic Data. The FCA's Appendices 6 through 13 are partially responsive to EPA's request for detailed backup to the FCA computations. These Appendices include source documents without any explanation or citations of the derivation of the computations in the FCA analysis for the "Model Area." To expedite EPA's review of DELCORA's FCA, we request that DELCORA provide the spreadsheets supporting the FCA calculations, including identification of specific source data and computations. Also note that the Financial Capability Indicator should be for the permit holder, DELCORA, not for Chester City.	Additional explanation for the material in the Appendices has been added. In addition to the Chester City Financial Capability Indicator, the Draft FCA also shows Financial capability indicators for the Model Area.

DELCORA LTCPU Task 9: DRAFT Financial Capabilities Assessment Report (rev. Nov. 2016)				
Responses to USEPA and PADEP Concerns (Comments received February 23, 2017) DUE April 24, 2017				
No.	Reviewer Name	Report Reference	Review Concerns	Response to Concerns
4	EPA/PADEP		<p>4. Allocation of Costs to Chester City: EPA's September 15, 2016 letter expressed concern that DELCORA was proposing to assign the bulk of the CSO costs to Chester City, an area which accounts for a small percentage of the Model Area households and flow. In the FCA, it appears that DELCORA has slightly adjusted its allocation of costs, but persists in allocating wastewater treatment costs and combined sewer overflow costs specific to Chester City in a proportion greater than Chester City's size relative to the service area flow or households. As a result, Chester's cost per household (\$323 on 2015 basis) is significantly higher than the cost per household for the Model Area (\$279 on 2015 basis). DELCORA explains the basis for this allocation on page 4-3 of the revised report: "...the allocation of costs for CSO abatement has been revised to distribute costs not to Chester City alone but rather to the Model Area customers in proportion to their contribution to CSO volume as well as excess volume generated from separate sewer communities within the Model Area during wet weather."</p> <p>While EPA accepts the analysis of the potential impact of the LTCP on residents of Chester City, an analysis that allocates all or much of the LTCP costs to Chester City is not acceptable. As the permittee, DELCORA is the responsible party for completing the injunctive relief, not Chester City. Therefore, the concerns EPA expressed in the September 15 letter remain. (EPA requests the underlying basis and calculations supporting the allocations of costs., and notes that the issues raised in Item 2, above, also relate to Item 4.)</p> <p>There are other details, such as cost basis, which EPA has not thoroughly reviewed due to the methodological shortcomings identified above. Thus, EPA may have additional comments on any resubmittals. According to paragraph 35 of the CD, DELCORA has sixty days in which to address these deficiencies and resubmit the revised report to EPA, and/or invoke the Dispute Resolution process set forth in Section XII of the CD.</p>	<p>As described on page 4-3 of the revised report, allocation of costs was based on the customer contribution to CSO volume as well as excess volume generated from separate sewer communities. The basis for calculation of the allocation along with the backing flow data is included in the revised Appendix. Also, as mentioned in the Draft FCA, the allocation will be revised for the final FCA (to be included as part of the revised LTCP Update) based on the revised hydrologic and hydraulic model.</p> <p>DELCORA believes that its "proportional" approach to allocating CSO costs is supported by the Clean Water Act and its implementing regulations. By way of example, when Congress wrote the CWA, it considered the contractual process and financial mechanisms by which wastewater treatment systems are financed and operated by local governmental authorities. By way of example, Section 204(b) of the Clean Water Act states that a wastewater treatment provider can only receive a federal construction grant if it charges the "recipients" of its services a commensurate, or proportional, amount to the services actually received. That section requires an applicant for the grant to have adopted a "system of charges" whereby each "recipient" of waste treatment services be charged its "proportionate share" of the costs of operation and maintenance of any waste water treatment services provided by the applicant. Similarly, the implementing regulations states that a user charge system shall be "based on the users' proportionate contribution to the total waste water loading from all users." (40 C.F.R. § 35.939-1). The legislative history to these provisions makes clear that Congress's intent behind Section 204(b) was to provide localities with flexibility in designing user fee systems. As applied here, any plan to defray CSO costs should be proportionally charged to those who are served by and contribute to the CSO. Conversely, municipalities not contributing to or served by the CSO should not be charged unfairly because they are not serviced by the CSO. The allocation of costs proposed by DELCORA is both proportional and equitable.</p> <p>In addition, it is important that EPA consider the fact that the FCA Guidance states that the two-phase analysis set forth in the FCA Guidance may not provide a complete representation of financial capability, and that other relevant financial or demographic information might demonstrate atypical circumstances. For example, as EPA and DOJ know well, the Eastern Service Area is required to pay the fees associated with the Philadelphia LTCP which has increased substantially from the original amount of \$178 Million to over \$400 Million (documented in a 2/8/2017 letter to EPA Counsel Yeany). Accordingly, DELCORA will not be considering those municipalities within the Eastern Service Area as responsible towards paying for costs associated with the LTCP for the Western Service Area and plant. In fact, during the consent decree negotiations, both EPA and DOJ were receptive to allowing DELCORA to consider factoring in this specific information into the FCA as supporting DELCORA's reason not to impose charges on all municipalities.</p>



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

December 28, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Consent Decree Semi Annual Report No. 5
Reporting Period of July 1, 2017 – December 31, 2017

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is enclosing a copy of the above mentioned report in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Sincerely,

Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
enclosure

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

61.
PLANT & MAINTENANCE

☐ 610-876-5523
☐ FAX: 610-497-7950

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Ed Bothwell, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
Charles Hurst, DELCORA
File – Consent Order – LTCP CSO

Appendix 3

NPDES Permit Exceedance Report

(NO REPORTS SUBMITTED DURING
JULY 2017 TO DECEMBER 2017)

Appendix 4

CSOs, SSOs and Unpermitted Discharges Correspondence



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

July 31, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on July 28, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Respectfully Submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
attachment

ADMINISTRATION

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☐ FAX: 610-876-2728

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Michael Hope, Greeley and Hansen
Ed Bothwell, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File – Consent Order – LTCP CSO

Please check the appropriate box ☒ Dry Weather Overflow ☐ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	7/28/2017 Name : Jim Cartafalsa Phone # : (610) 876-5523 ext. 215
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: P.O. Box 999, Chester, PA 19016 Township/Municipality: Chester City
Sewer system owner and permit number	DELCORA - NPDES No. PA0027103
3. Date found and <u>specific</u> location of SSO. Including Municipality/County (if different from #2) ?	Date: 7/28/17 Municipality: Parkside Borough Location(Street & #): Pipe 3482 in Woods behind 115 E. Garrison County: Delaware
4. How was SSO discovered? By whom ?	Received a call from Parkside Boroughs plumbing inspector regarding a sewage coming from a pipe dumping into a creek.
5. Start and end time of SSO (actual or estimate?)	Start is unknown. The call was received at 10:26 am and staff was immediately sent out. Overflow ended at approximately 1:39 PM.
6. Date, time and name of person who called PADEP originally to notify of SSO ?	7/28/17 @ 11:30 am S. Babylon
7. Description and actual or estimated volume of SSO	Volume of overflow is unknown.
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Sanitary wastewater overflowed to the surrounding creek and some flowed to the Ridley creek.
9. What caused SSO ? How was it stopped ?	A broken pipe that ran through part of the creek washed away. Discharge was stopped by plugging the 8 inch line and diverting flow using a relief line to another sanitary line downstream.
10. Describe extent of contamination and how it was cleaned up	Sewage was contained to the area by using hay bales. Once the overflow ended sewage was washed to hay bales and they were removed.
11. What actions will be taken to prevent a re-occurrence ? When ?	A plan is being formulated to make a repair to the broken pipe.
12. Other comments ?	None
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	N/A



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

August 23, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

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1650 Arch Street
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Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on August 22, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Respectfully Submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
attachment

ADMINISTRATION

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PLANT & MAINTENANCE

☐ 610-876-5523

☐ FAX: 610-497-7950

USDOJ/USEPA/PADEP
Notice of Violation – SSO Report
August 23, 2017
page 2

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Robert Willert, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
File – Consent Order – LTCP CSO

Sanitary Sewer Overflow (SSO) Report to PADEP- Water Management

DEP fax: 484-250-5971

Please check the appropriate box ☐ Dry Weather Overflow ☒ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	8/23/2017 Name : Jim Cartafalsa Phone # : (610) 876-5523 ext. 215
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: P.O. Box 999, Chester, PA 19016 Township/Municipality: Chester City
Sewer system owner and permit number	DELCORA - NPDES No. PA0027103
3. Date found and <u>specific</u> location of SSO. Including Municipality/County (if different from #2) ?	Date: 8/22/2017 Municipality: Upland Borough Location(Street & #): Manhole # 586 on the 300 block of 10th St. County: Delaware
4. How was SSO discovered? By whom ?	Received a call from a person driving down the street who noticed water coming from the manhole.
5. Start and end time of SSO (actual or estimate?)	Start is unknown. The call was received at 12:34 AM, however, staff was immediately sent out at the beginning of the rain event around 11:45 PM to monitor the situation. Overflow ended at approximately 1:09 AM.
6. Date, time and name of person who called PADEP originally to notify of SSO ?	8/22/17 12:55 AM J. Cartafalsa
7. Description and actual or estimated volume of SSO	Volume of overflow is unknown.
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Sanitary wastewater overflowed to the surrounding area and some flowed to the storm drain.
9. What caused SSO ? How was it stopped ?	Heavy rain in a short span is believed to be the cause of the issue due to the downstream manhole surcharging causing a bottleneck backing up flow.
10. Describe extent of contamination and how it was cleaned up	Area was cleaned up by staff after rain ended.
11. What actions will be taken to prevent a re-occurrence ? When ?	We are in the process of beginning a micro-metering project to study flow.
12. Other comments ?	None
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	N/A



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

August 24, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on August 23, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Respectfully Submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
attachment

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75.
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USDOJ/USEPA/PADEP
Notice of Violation – SSO Report
August 24, 2017
page 2

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Robert Willert, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
File – Consent Order – LTCP CSO

Sanitary Sewer Overflow (SSO) Report to PADEP- Water Management

DEP fax: 484-250-5971

Please check the appropriate box ☐ Dry Weather Overflow ☒ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	Date : 8/23/17 Name : Michael J. DiSantis Phone # : (610) 876-5523 ext. 264
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: 100 E. 5th Street, Chester, PA 19013 Township/Municipality:
Sewer system owner and permit number	DELCORA NPDES NO. 0027103
3. Date found and <u>specific</u> location of SSO. Including Municipality/County (if different from #2) ?	Date: 8/23/17 Municipality: Ridley Township Location(Street & #): Central Delaware PS County: Delaware Sellers Avenue
4. How was SSO discovered? By whom ?	Overflow was observed by on-site DELCORA personnel.
5. Start and end time of SSO (actual or estimate?)	Start: Approximately 1:25 AM Stopped: Approximately 2:25AM
6. Date, time and name of person who called PADEP originally to notify of SSO ?	Date : 8/23/17 Time : Approximately 2:30 AM Name : Tom Czwalina
7. Description and actual or estimated volume of SSO	Sanitary wastewater, volume unknown
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Overflow flowed to a tributary of Darby Creek that is adjacent to the pump station.
9. What caused SSO ? How was it stopped ?	High flows to the station caused by very heavy rain. All pumps were in service during bypass. Bypass ended when flow to station went below capacity of station.
10. Describe extent of contamination and how it was cleaned up	No debris or contamination observed as creek level was very high, muddy, and flowing rapidly at the time of the overflow.
11. What actions will be taken to prevent a re-occurrence ? When ?	N/A
12. Other comments ?	None
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	None



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

November 1, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on October 31, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Respectfully Submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
attachment

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

USDOJ/USEPA/PADEP
Notice of Violation – SSO Report
November 1, 2017
page 2

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Robert Willert, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
File – Consent Order – LTCP CSO

Sanitary Sewer Overflow (SSO) Report to PADEP- Water Management

DEP fax: 484-250-5971

Please check the appropriate box ☒ Dry Weather Overflow ☐ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	Date : 11/1/17 Name : James V. Cartafalsa Phone # : (610) 876-5523 ext. 215
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: 100 E. 5th Street, Chester, PA 19013 Township/Municipality:
Sewer system owner and permit number	DELCORA NPDES NO. 0027103
3. Date found and <u>specific</u> location of SSO. Including Municipality/County (if different from #2) ?	Date: 10/31/17 Municipality: Chester City Location(Street & #): CSO #2 (Front & Booth St.), CSO #5 (Front & Townsend St.), CSO #7(Delaware & Reaney St.) County: Delaware
4. How was SSO discovered? By whom ?	DELCORA was alerted via SCADA alarm of CSO discharges.
5. Start and end time of SSO (actual or estimate?)	Start: 1:50 PM Stopped: 2:15 PM
6. Date, time and name of person who called PADEP originally to notify of SSO ?	Date : 10/31/17 Time : 2:18 PM Name : James Cartafalsa
7. Description and actual or estimated volume of SSO	Sanitary wastewater, volume unknown
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Flow discharged to the Delaware River.
9. What caused SSO ? How was it stopped ?	The Delaware River Interceptor flows to pump station EPS-1. A false reading on the level sensor for EPS-1 caused by excessive debris indicated a wet well level that was lower than actual. This in turn caused the pump station to operate at a lower flow rate which in turn raised the level in the interceptor, resulting in the discharges from the CSOs along the interceptor.
10. Describe extent of contamination and how it was cleaned up	No debris or contamination observed as the river level was very high and flowing rapidly at the time of the overflow.
11. What actions will be taken to prevent a re-occurrence ? When ?	The level sensor was cleaned, reset, and placed back into operation with no further issues. To prevent further recurrences, increased inspection of the sensor will be implemented.
12. Other comments ?	None
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	None



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

November 9, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on November 8, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Respectfully Submitted,

Michael J. DiSantis
Director of Operations and Maintenance

MJD:bab
attachment

USDOJ/USEPA/PADEP
Notice of Violation – SSO Report
November 9, 2017
page 2

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Robert Willert, DELCORA
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
File – Consent Order – LTCP CSO

Sanitary Sewer Overflow (SSO) Report to PADEP- Water Management

DEP fax: 484-250-5971

Please check the appropriate box ☒ Dry Weather Overflow ☐ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	Michael J. DiSantis 610-876-5523 ext. 264 11/9/17
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: P.O. Box 999, Chester, PA 19016 Township/Municipality: Chester City
Sewer system owner and permit number	DELCORA NPDES NO. 0027103
3. Date found and <u>specific</u> location of SSO. Including Municipality/County (if different from #2) ?	Date: 11/8/17 Municipality: Chester City Location: 3201 W. Front Street (WRTP) County: Delaware
4. How was SSO discovered? By whom ?	Plant staff found standing water in the basement of Pump Station PS-4 at WRTP. Subsequently, staff then noted a minor overflow from one of the manholes along the plant recycle flow gravity line in the plant. Corrective actions were taken to stop any further flow into the line until the issue could be addressed.
5. Start and end time of SSO (actual or estimate?)	The incident started at approximately 9:45 PM and ended at approximately 10:00 PM.
6. Date, time and name of person who called PADEP originally to notify of SSO ?	Date : 11/9/17 Time : Approximately 9:30 AM Name : Michael J. DiSantis
7. Description and actual or estimated volume of SSO	Volume unknown but estimated to be less than 100 gallons. Plant recycle flow consists of sanitary waste, rain water from truck waste containment areas, sludge dewatering and thickening filtrate, and secondary clarifier scum flow.
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Wastewater spilled onto asphalt out of a manhole of the gravity line to the pump station, with some flow eventually entering a stormwater inlet.
9. What caused SSO ? How was it stopped ?	Overflow was caused by a partial blockage in the gravity line. Overflow was stopped when all flow to this section of the line was stopped. Staff then used one of our high pressure flush trucks to clear the blockage. Normal operation then resumed.
10. Describe extent of contamination and how it was cleaned up	Wastewater flowed on to asphalt around manholes and flowed across driveway. No flow entered any of the storm drain inlets. Staff hosed down and vacuumed up any debris from the overflow.
11. What actions will be taken to prevent a re-occurrence ? When ?	This line is already on a PM schedule for routine quarterly cleaning. We will increase the inspection of the line to determine if a higher frequency of cleaning is needed.
12. Other comments ?	
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	N/A



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

December 18, 2017

FED EX – NEXT DAY

Chief, Environmental Enforcement
Section
Environment and Natural
Resources Division
U.S. Department of Justice
601 D Street NW
Washington, DC 20004
Re: DOJ No. 90-5-1-1-10972

Philip Yeany
Office of Regional Counsel (3RC20)
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Chief
NPDES Enforcement Branch (3WP42)
Water Protection Division
U.S. EPA, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Program Manager – Clean Water Program
PA DEP
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

RE: Civil Action Number Case 2:15-cv-04652-RB
& DOJ Case Number 90-5-1-1-10972
Notice of Violation

Dear Sir/Madam:

By this letter, the Delaware County Regional Water Quality Control Authority is advising that a SSO event occurred on December 15, 2017. I am attaching a report for your review which provides the details associated with the event in accordance with the requirements of the Consent Decree.

If there are any questions, please contact me. Thank you.

Sincerely,

Michael J. DiSantis
Director of Operations & Maintenance

MJD:bab
attachment

ADMINISTRATION

☐ 610-876-5523
☐ FAX: 610-876-2728

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PLANT & MAINTENANCE

☐ 610-876-5523
☐ FAX: 610-497-7950

87.

USDOJ/USEPA/PADEP
Notice of Violation
December 18, 2017
page 2

cc: via email
Margaret Hill, Blank Rome
Marlene Finizio, Greeley and Hansen
Michael Hope, Greeley and Hansen
Charles Hurst, DELCORA
Michael DiSantis, DELCORA
John Pileggi, DELCORA
Robert Willert, DELCORA
File – Consent Order – LTCP CSO

Sanitary Sewer Overflow (SSO) Report to PADEP- Water Management

DEP fax: 484-250-5971

Please check the appropriate box ☐ Dry Weather Overflow ☒ Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	12/18/17 Name : Jim Cartafalsa Phone # : (610) 876-5523 ext. 215
2. Your organization name and address ?	Name: DELCORA County: Delaware Address: P.O. Box 999, Chester, PA 19016 Township/Municipality: Chester City
Sewer system owner and permit number	DELCORA - NPDES No. PA0027103
3. Date found and specific location of SSO. Including Municipality/County (if different from #2) ?	Date: 12/15/17 Municipality: Chester City Location(Street & #): Manhole # 345 in front of 947 E. 14th St. County: Delaware
4. How was SSO discovered? By whom ?	Received a call from a resident regarding water coming from the manhole.
5. Start and end time of SSO (actual or estimate?)	Start is unknown. The call was received at 10:45 AM. Overflow ended at approximately 11:15 AM.
6. Date, time and name of person who called PADEP originally to notify of SSO ?	12/15/17 11:20 AM J. Cartafalsa
7. Description and actual or estimated volume of SSO	Volume of overflow is unknown.
8. Where, <u>precisely</u> , did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	Sanitary wastewater overflowed to the surrounding area and some flowed to the storm drain.
9. What caused SSO ? How was it stopped ?	A grease build up in the pipe caused a blockage, and it was cleared by using a high pressure water truck.
10. Describe extent of contamination and how it was cleaned up	Any left over debris was cleaned up by staff using a vactor. Also, road salt was put down to prevent any wash down water from re-freezing
11. What actions will be taken to prevent a re-occurrence ? When ?	A TV inspection of the main will be done, along with treating the line with a grease removal agent.
12. Other comments ?	None
13. Downstream notifications made: (All downstream users such as public water supplies must be notified)	N/A



www.delcora.org

Delaware County Regional Water Quality Control Authority

100 E. Fifth Street
P.O. Box 999
Chester, PA 19013