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RECEIVED

JAN 29 2018

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Paragraph 33 of the Lima Consent Decree "CD") states that, on January 31 and July 31 after the Effective Date and continuing on January 31 and July 31 of each year until termination of the CD, Lima shall submit to USEPA and Ohio EPA a progress report regarding the implementation of the requirements of this Decree in the previous calendar half year ("Progress Report").

The Lima Consent Decree (CD) became effective on January 13, 2015 such that this report will commence reporting as of that date. The lettered paragraphs below parallel the format of paragraph 33 of the CD. Initiatives that were underway on the effective date of the CD are reported under Section b of this report.

- a. A statement setting forth the deadlines and other terms that Lima is or was required to meet by this Consent Decree since the date of the last Progress Report, whether and to what extent Lima has met these requirements, and the reasons for any noncompliance:

Lima Progress Report:

- (1) None noted.

- b. A general description of the projects and activities conducted during the reporting period to comply with the requirements of this Decree, and a projection of work to be performed pursuant to this Consent Decree during the next reporting period. Notification to USEPA and Ohio EPA of any anticipated delay shall not, by itself, excuse the delay:

Lima Progress Report: Lima currently has the following contracts underway:

1. **Lima Wastewater Treatment Headworks Project** – Commenced construction on July 1, 2015. Building and tank construction is complete.

Progress over the next six months is expected to include:

- Develop implementation strategy for seeding nitrification towers during dry weather to develop biomass suitable for wet weather treatment.
- Develop implementation strategy for employing primary tank 5-7, effluent pumping, and towers to treat wet weather flows.
- Develop PLC programming for seeding the nitrification tower and for control of wet weather treatment system.
- Implement dry weather seeding strategy for towers and collect data.

2. **CMOM Plan Development** –Lima submitted the revised plan to USEPA on 5/26/17. Currently awaiting final approval.
 3. **Asset Management** – Final design and contract documents were completed for the Phase 1 High Street/Jameson Ave Sewer Rehabilitation Project. A PTI application was submitted to OEPA on October 18, 2017. Progress over the next six months is expected to include bidding and award of this project followed by commencement of construction.
 4. **Supplemental Environmental Project (SEP)**. Project is complete. USEPA requests Lima to submit a Revised SEP Completion Report by January 31, 2018.
 5. **Simmon's Field CSO EQ Basin** -- The City is under contract with Stantec for the engineering of this project. A PTI application was submitted to OEPA on October 16, 2017. The project was bid on November 11-22, 2017. Bids were opened on December 15, 2017. Lima received four bids, which are currently under review. Progress over the next six months is expected to include the bid award and commencement of construction.
- c. A summary of all material problems or potential problems encountered during the reporting period, and the actions taken to rectify the problems:

Lima Progress Report:

1. Lima's WWTP suffered a direct lightning strike to the main electrical switch gear equipment on July 22, 2018. The complete loss of power resulted in substantial flooding throughout the plant and significant equipment loss. Documentation of this event is revealed in the following section of this report.
- d. A summary of all material contacts with USEPA and Ohio EPA during the reporting period, including but not limited to the date deliverables under this Decree were sent to USEPA and Ohio EPA:

Lima Progress Report:

1. July 18, 2017 --- Lima submitted a response letter to OEPA concerning the "AD" values submitted on the June DMR for overflow volumes at Stations 002 and 003.
2. July 25, 2017 --- OEPA conducted an inspection at Lima's WWTP to evaluate the facility following a lightning strike and subsequent power outage that occurred on July 22, 2017.
3. July 26, 2017 --- Lima submitted a SSO 5-Day Follow-up Report to OEPA concerning the loss of power at the WWTP due to the lightning strike on July 22, 2017.
4. July 31, 2017 --- Lima submitted a letter to USEPA concerning the loss of power at the WWTP due to the lightning strike on July 22, 2017

5. August 16, 2017 --- Lima received a report from OEPA relative to the inspection of the WWTP on July 25, 2017.
 6. August 7, 2017 --- Lima submitted a force majeure event letter to USEPA concerning the loss of power at the WWTP due to the lightning strike on July 22, 2017.
 7. August 28, 2017 --- Lima submitted a letter to OEPA concerning the codes reported on the July DMR for water temperature, dissolved oxygen, overflow volume and E. coli.
 8. November 29, 2017 --- Lima received a letter from USEPA concerning the 3-day Consent Decree Monitoring Inspection conducted on June 19-20-21, 2017.
 9. December 5, 2017 --- OEPA conducted a NPDES compliance evaluation inspection at Lima's WWTP.
 10. December 29, 2017 --- Lima received a letter from OEPA detailing the results of the NPDES compliance inspection conducted on December 5, 2017.
- e. A statement of any exceedances of NPDES permit limitations:

Lima Progress Report:

1. July 7, 2017 --- Lima recorded "AD" values for overflow volume at Stations 002 and 003. The sensors were in the process of being replaced and reprogrammed.
 2. July 10, 2017 --- Lima recorded "AD" values for overflow volume at Stations 004, 005 and 006. The sensors were in the process of being replaced and reprogrammed.
 3. July 21, 2017 --- Lima recorded "AB" values for water temperature and dissolved oxygen. This was directly related to the loss of power due to a lightning strike at the WWTP.
 4. July 24, 2017 --- Lima recorded an "AB" value for dissolved oxygen and an "AK" value for E. coli. This was directly related to the loss of power due to a lightning strike at the WWTP.
- f. A summary of all CSO Discharges, SSOs, Bypasses, and other unpermitted discharges occurring within the reporting period including the actual or estimated frequency, duration and volume of each CSO Discharge, SSO, Bypass, and other unpermitted discharge:

Lima Progress Report:

1. Water-in-Basement (WIB) Events --- Lima recorded 2 instances of WIB during the reporting period. Both occurred during a rain event of nearly 3.5", when the City's sanitary mainlines became surcharged and backed up into the two homes. The City continues to work with homeowners that experience chronic flooding on a case-by-case basis through a WIB Program that raises the lateral to a higher elevation and separates the storm water from the sanitary. Lima completed 3 WIB projects in this reporting period.

2. SSO & CSO Monthly Reporting -- See attached Overflow Totals Report. These numbers are reported monthly to OEPA as part of the monthly Discharge Monitoring Report.

- g. A section containing a report on Lima's CMOM Program, as required by Paragraph 19.

CMOM PROGRAM REPORT

Paragraph 19

Summarize the activities performed during the previous six month period to implement the approved CMOM Program including, but not limited to:

- a. Describe Sewer System Cleaning, including:

- (1) Provide the total unique miles of sewer cleaned and percentage of system cleaned (with repeat cleaning of the same sewer segment not counted toward the total mileage)

Lima Progress Report:

From 7/1/17 to 12/31/17

57,662 linear feet = 10.92 miles (11% of SSS)

- (2) List hotspot locations and the frequency that those sewer segments were cleaned:

Lima Progress Report:

Lima's "High Maintenance List" (i.e., hot spots) of sanitary sewers was completed on October 30, 2017 (WO#54186). This list includes 39,022 feet (7.39 miles - 7.4% of SSS) of sewers that are susceptible to higher levels of grease and debris buildup.

- b. Describe and Quantify the total mileage of internal sewer inspections, such as by CCTV:

Lima Progress Report:

July 1, 2017 – Dec 31, 2017

32,992 linear feet of CCTV Inspection = 6.25 miles (6% of SSS)

348 Manholes Inspected

- c. Describe the rehabilitation and replacement work within the Sewer System started and completed or identified for future scheduling:

Lima Progress Report:

1. Rehabilitated 12 manholes (Mr. Manhole, repair casting, etc.)

2. Installed 2 new manholes.

d. Describe operational changes or improvements implemented as part of the approved CMOM:

Lima Progress Report: None noted.

e. Identify any cross-connections detected or eliminated and dye testing or clear water source elimination measures implemented:

Lima Progress Report: None

f. Identify the cause and corrective maintenance response taken to any SSOs that occurred:

Lima Progress Report:

In cases that involve structural failure of sewer system components or mechanical/electrical failure of equipment, a 24-hour emergency response crew is dispatched to address the situation. Lima had 1 SSO in the reporting period that required a 5-Day Follow-up Report to OEPA. A detailed description of the cause and corrective action taken for that SSO can be found within the report.

In rain events where the sewer system is stressed beyond capacity, city personnel manage the pump stations and WWTP via SCADA to maintain maximum treatment capability.

I certify under penalty of law that the information contained in or accompanying this (submission/document) is true, accurate and complete. As to (the/those) identified portion(s) of this (submission/document) for which I cannot personally verify (its/their) truth and accuracy, I certify as the official having supervisory responsibility for the person (s) who, acting under my direct instructions, made the verification, that this is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.



Michael H. Caprella
Director of Utilities
City of Lima, Ohio

Attachment

cc: David J. Berger, Lima City Mayor
Fred P. Andes, Barnes & Thornburg LLP
Stephen P. Samuels, Frost Brown Todd LLC
File

0128598.0614522 4835-2645-3286v1

SSO & CSO Overflow Totals					
July 1 -- December 31, 2017					
Annual Report #	EPA ID #	Location of Overflow		SSO	CSO
301	2PE00000048	MH#19 on Lost Creek Golf Course	Plugged		
302	2PE00000047	MH#14 on Lost Creek Golf Course	SSO	6	
007	2PE00000007	S. Central Ave. & Ottawa River	CSO		4
008	2PE00000008	Timberlake Sewer & Ottawa River	CSO		3
009	2PE00000009	Oxford Ave. & Collett Street	CSO		2
037	2PE00000037	North Shore Dr. & Cole St.	CSO		2
036	2PE00000036	Charles St. & State St. (Plugged w/ concrete)	CSO		0
035	2PE00000035	Lakewood Ave & Charles St.	CSO		6
034	2PE00000034	Judkins Ave at Kunneke Ave	CSO		1
033	2PE00000033	Nixon Ave. at Kunneke Ave.	CSO		3
038	2PE00000038	West & O'Conner Ave	CSO		2
303	2PE00000029	Glenwood Ave. between Lakewood and Wales Ave.	SSO	6	
304	2PE00000028	S. Pears Ave. at Kunneke Ave.	SSO	0	
305	2PE00000027	Lakewood Ave. & Maplewood Drive	SSO	4	
306	2PE00000026	S. Pears Ave. between Wendell Ave & Lakewood Ave.	SSO	5	
307	*****	418 South Pears (MH 0-10)	SSO	2	
308	2PE00000025	S. Pears Ave. between Lowell Ave. & Wendell Ave.	SSO	4	
309	2PE00000023	S. Pears Ave. between W. Spring & W. Elm St	SSO	6	
310	2PE00000024	Between W. Spring & W. Elm, East of Primrose Pl	SSO	5	
311	*****	1861 Wendell	SSO	0	
312	2PE00000030	Wales Ave. at Primrose Place	SSO		
313	2PE00000031	S. Cable Rd. at Lakewood Ave.	SSO	8	
314	2PE00000032	S. Cable Rd. at Wendell Ave.	SSO	7	
315	2PE00000052	2600 Koop Road Lift Station	SSO		
316	2PE00000022	Dale Dr. & Idlewild Dr.	SSO	7	
317	2PE00000020	Dale Dr. between W. Wayne & Oakland Pkwy	SSO	6	
318	2PE00000021	Dale Dr. & West Wayne St.	SSO	5	
319	2PE00000018	University Ave. & Dale Dr.	SSO	6	
320	*****	Columbia @ Allentown, MH #92	SSO	5	
321	2PE00000051	1379 N. Cable Road Lift Station (Check Valve)	SSO	0	
322	2PE00000050	1700 Allentown Road Lift Station (Check Valve)	SSO	7	
323	*****	Rosedale @ Ellison Ave.	SSO	4	
324	*****	Woodlawn @ Ellison Ave.	SSO	5	
325	2PE00000017	Woodlawn Ave. & Feeman Ave.	SSO	4	
014	2PE00000014	Metcalf St. & Tremont Ave.	CSO		1
016	2PE00000016	Metcalf St. & Ashton Ave.	CSO		1
015	2PE00000015	Metcalf St. & Runyan Ave.	CSO		0
012	2PE00000012	McDonel St. & O'Connor Ave.	CSO		0
011	2PE00000011	Burch Ave. & O'Connor Ave.	CSO		1
013	2PE00000013	Metcalf St. & O'Connor Ave.	CSO		2
326	2PE00000010	Northwold St. & O'Connor Ave.	SSO	1	
327	2PE00000049	1330 Melrose Ave.	SSO	3	
328	*****	1327 Northwold	SSO		
329	2PE00000042	Metcalf St. & Lane Ave.	SSO	3	
330	2PE00000044	Metcalf St. & Ford Ave.	SSO	3	
331	*****	Burch & Ford	SSO	3	
332	2PE00000046	2032 Burch Ave.	SSO	2	
333	2PE00000045	Burch Ave. & Lewis Ave.	SSO	4	
334	2PE00000043	Metcalf St. & Lewis Blvd.	SSO	4	
335	2PE00000041	Cella Place & Northern Ave.	SSO	4	
336	2PE00000039	Karen St. & Lewis Blvd. (N)	SSO	5	
337	2PE00000038	Karen St. & Lane Ave	SSO	6	
338	2PE00000056	West St. Lift Station	SSO	2	
Overflow Totals =				142	28
Report Updated on 1/5/2018				SSO	CSO
Total # of Reports....18					