

PROGRESS REPORT

DUE: January 31 and July 31 of each year until termination of Consent Decree

RECIPIENTS: REGION 5 OF USEPA

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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 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:

None

- 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** – Construction is complete. Progress over the next six months is expected to include continued seeding of the nitrification towers and performance testing of TSS and BOD in wet-weather mode.
2. **CMOM Plan** – Lima continues to execute the approved plan.
3. **Asset Management** – Construction continues on the Phase 1 High Street/Jameson Avenue Sewer Rehabilitation Project. Progress to date includes the installation of 8 manholes and 2,167 linear feet of 10" sanitary sewer and HDPE lining of 1,782 feet of 54" combined sewer.

Progress over the next six months is expected to include the following:

- HDPE lining of the remaining 385 feet of 54-inch sewer, and lining and grouting of 550 feet of 78-inch sewer.

Work continues on the Phase II Collett, Delphos, Woodward & Grand Avenue Sewer Rehabilitation Project. Phase II includes the relining/rehabilitation of 3,075 feet of 78-inch segmented block sewer. The project also includes the installation of 1,075 feet of new 8-inch sanitary sewer and four manholes. The project was advertised for bid in October, 2019, with a bid opening on November 4, 2019. Two bids were received and reviewed. A Notice of Award to SAK Construction was issued on November 14, 2019.

Progress over the next six months is expected to include the following:

- Execution of the contract documents and issuance of a Notice-to-Proceed.
 - Mobilize crews to begin surveying, cleaning, and dye-water testing of laterals connected to the 78" sewer.
 - Begin installation of 1,033 feet of 10" express sewer and manholes.
4. **Supplemental Environmental Project (SEP)** --- Project is complete. Annual maintenance of the project area will continue.
5. **Simmon's Field CSO EQ Basin** -- Progress to date includes the following:
- Completion of the base structure.
 - Completion of approximately 90% of the wall structure.
 - Completion of approximately 90% of the roof structure.
 - Completion of approximately 95% of the pump station wet well structure.
 - Completion of approximately 40% of backfill

Progress over the next 6 months is expected to include the following:

- Completion of the tank structure.
 - Completion of pump station wet well and valve vault
 - Continuation of backfill up to grade.
 - Begin construction of pump station building.
- 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. None noted.

- 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 22, 2019 --- Lima submitted to OEPA an update to the Control Strategy for Dissolved Hexavalent Chromium, as required by NPDES Permit 2PE00000*ND, Part I, C – Schedule of Compliance, B, 3.

2. August 2, 2019 --- Lima submitted to OEPA an evaluation form for Reducing the Discharge of Phosphorus from the WWTP.
3. August 28, 2019 --- Lima submitted to USEPA/OEPA a response letter to a request for revisions to the Flow Maximization Plan.

e. A statement of any exceedances of NPDES permit limitations:

Lima Progress Report:

1. August 11, 2019 --- Lima reported an exceedance of chlorine. A residual of 0.25mg/l was recorded at Station 001. A flow meter erroneously recorded a flow of zero, which reduced the sodium bisulfite feed to a level below what is necessary for neutralization. The sodium bisulfite pump is now adjusted to provide a higher minimum feed rate, regardless of the flow meter recording.
 2. October 18, 2019 --- Lima reported a pH level of 6.3 at Station 001, in violation of the 6.5 Daily Maximum Limit. This was later determined to be a faulty read, as an operator recorded a 6.56 reading on the bench sheet at this same time. A short power interruption due to maintenance of switchgear equipment is believed to have caused the error.
- 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 --- None for 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 7/1/19 to 12/31/19

31,159 linear feet = 5.9 miles (5.9 % 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 December 19, 2019 (WO#61247). 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:

From 7/1/19 to 12/31/19

24,501 linear feet of CCTV Inspection = 4.64 miles (4.6% of SSS)

110 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 8 manholes (Mr. Manhole, repair casting, etc.)
2. Installed 1 new manhole.
3. Performed a point repair on a force main near the intersection of Karen & Northern Avenue.
4. Performed 7 point repairs on gravity sewer mains.

- 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.

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

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

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SSO & CSO Overflow Totals					
July 1 -- December 31, 2019					
Annual Report #	EPA ID #	Location of Overflow		SSO	CSO
302	2PE00000047	MH#14 on Lost Creek Golf Course	SSO	3	
007	2PE00000007	S. Central Ave. & Ottawa River	CSO		5
008	2PE00000008	Timberlake Sewer & Ottawa River	CSO		3
009	2PE00000009	Oxford Ave. & Collett Street	CSO		0
037	2PE00000037	North Shore Dr. & Cole St.	CSO		1
036	2PE00000036	Charles St. & State St. (Plugged w/ concrete)	CSO		0
035	2PE00000035	Lakewood Ave & Charles St.	CSO		2
034	2PE00000034	Judkins Ave at Kunneke Ave	CSO		0
033	2PE00000033	Nixon Ave. at Kunneke Ave.	CSO		2
038	2PE00000038	West & O'Conner Ave	CSO		0
303	2PE00000029	Glenwood Ave. between Lakewood and Wales Ave.	SSO	4	
304	2PE00000028	S. Pears Ave. at Kunneke Ave.	SSO	1	
305	2PE00000027	Lakewood Ave. & Maplewood Drive	SSO	1	
306	2PE00000026	S. Pears Ave. between Wendell Ave & Lakewood Ave.	SSO	3	
307	*****	418 South Pears (MH 0-10)	SSO	1	
308	2PE00000025	S. Pears Ave. between Lowell Ave. & Wendell Ave.	SSO	2	
309	2PE00000023	S. Pears Ave. between W. Spring & W. Elm St	SSO	1	
310	2PE00000024	Between W. Spring & W. Elm, East of Primrose Pl	SSO	5	
311	*****	1861 Wendell	SSO	1	
313	2PE00000031	S. Cable Rd. at Lakewood Ave.	SSO	10	
314	2PE00000032	S. Cable Rd. at Wendell Ave.	SSO	4	
316	2PE00000022	Dale Dr. & Idlewild Dr.	SSO	0	
317	2PE00000020	Dale Dr. between W. Wayne & Oakland Pkwy	SSO	3	
318	2PE00000021	Dale Dr. & West Wayne St.	SSO	4	
319	2PE00000018	University Ave. & Dale Dr.	SSO	3	
320	*****	Columbia @ Allentown, MH #92	SSO	13	
321	2PE00000051	1379 N. Cable Road Lift Station (Check Valve)	SSO	0	
322	2PE00000050	1700 Allentown Road Lift Station (Check Valve)	SSO	2	
323	*****	Rosedale @ Ellison Ave.	SSO	1	
324	*****	Woodlawn @ Ellison Ave.	SSO	2	
325	2PE00000017	Woodlawn Ave. & Feeman Ave.	SSO	3	
014	2PE00000014	Metcalfe St. & Tremont Ave.	CSO		0
016	2PE00000016	Metcalfe St. & Ashton Ave.	CSO		1
015	2PE00000015	Metcalfe St. & Runyan Ave.	CSO		1
012	2PE00000012	McDonel St. & O'Connor Ave.	CSO		0
011	2PE00000011	Burch Ave. & O'Connor Ave.	CSO		1
013	2PE00000013	Metcalfe St. & O'Connor Ave.	CSO		1
326	2PE00000010	Northwold St. & O'Connor Ave.	SSO	0	
327	2PE00000049	1330 Melrose Ave.	SSO	0	
329	2PE00000042	Metcalfe St. & Lane Ave.	SSO	0	
330	2PE00000044	Metcalfe St. & Ford Ave.	SSO	0	
331	*****	Burch & Ford	SSO	0	
332	2PE00000046	2032 Burch Ave.	SSO	0	
333	2PE00000045	Burch Ave. & Lewis Ave.	SSO	0	
334	2PE00000043	Metcalfe St. & Lewis Blvd.	SSO	0	
335	2PE00000041	Celia Place & Northern Ave.	SSO	0	
336	2PE00000039	Karen St. & Lewis Blvd. (N)	SSO	13	
337	2PE00000038	Karen St. & Lane Ave	SSO	8	
338	2PE00000056	West St. Lift Station	SSO	0	
Overflow Totals =				88	17
Report Updated on 1/3/2020				SSO	CSO
Total # of Reports....19					