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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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County: Allen

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STATE OF OHIO

Ohio Environmental Protection Agency

Division of Surface Water

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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:

- (1) Lima was required to sample and analyze the effluent from its nitrification towers from July 2018 to July 2019 to determine the effectiveness of treating wet weather flows and demonstrate performance criteria set forth in the CD. Lima had until May 31, 2019 to determine if the sampling period was sufficient to determine compliance.

Lima determined that the sampling period was not sufficient and submitted a letter to USEPA and OEPA on May 30, 2019 requesting an extension of the sampling period. Lima received approval for the extension from USEPA and OEPA on June 20, 2019.

- 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** – Building and tank 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.
2. **CMOM Plan** – Lima submitted a plan revision to USEPA on 7/31/18 that included changes requested by Mr. Todd Brown in an email dated 3/20/18. On 3/1/19 Lima received approval of the plan from USEPA/OEPA with a stipulation to implement the plan within 30 days. Lima implemented the plan immediately.

3. **Asset Management** – Construction continues on the Phase 1 High Street/Jameson Avenue Sewer Rehabilitation Project. The installation of the 10-inch sanitary sewer is complete.

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

- HDPE lining of 550 feet of 78-inch and 2,190 feet of 54-inch segmented block sewers.

On 2/6/19, Lima entered into an engineering contract with Black & Veatch Inc. to design and bid the Phase II 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. A project kickoff meeting was conducted on 2/27/19. Flow metering, sewer cleaning and geotechnical investigation is currently underway.

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

- Completion of final drawings and specifications.
- Prepare and issue bid documents.
- Award bid and move into the construction phase.

4. **Supplemental Environmental Project (SEP)** --- Project is complete. Maintenance of the project area will continue. A controlled burn of the river bank grasses to control invasive grass species was conducted the week of 4/8/19.

5. **Simmon's Field CSO EQ Basin** -- Progress to date includes the following:

- Completion of the diversion structure and the 96-inch diversion pipe.
- Completion of the 54-inch force main across the Ottawa River.
- Completion of approximately 75% of the base.
- Completion of approximately 75% of the wall structures.
- Completion of approximately 40% of the roof structure.
- Completion of approximately 66% of the pump station wet well structure.

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

- Completion of base slab.
- Continued construction of walls and interior support structures.
- Continued construction of pump station wet well.

- 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. January 31, 2019 --- Lima submitted to OEPA a strategic plan for the control of Dissolved Hexavalent Chromium, as required by NPDES 2PE00000*ND, Part I, C – Schedule of Compliance, B, 2.
2. February 1, 2019 --- Lima submitted a Local Limit evaluation and technical justification document, as required by NPDES 2PE00000*ND, Part I, C – Schedule of Compliance, C, 1.
3. March 1, 2019 --- Lima received a letter from USEPA approving the CMOM Program Plan, as last submitted by the City on 7/31/18. Implementation was initiated immediately.
4. March 1, 2019 --- Lima received a letter from USEPA approving the CSO Operations Plan, as last submitted by the City on 7/31/18. Implementation was initiated immediately.
5. May 30, 2019 --- Lima submitted a request to USEPA/OEPA for a one-year extension of the sampling period to determine compliance of the nitrification towers with the performance criteria as defined in Appendix C of the Consent Decree.
6. June 20, 2019 --- Lima received a letter from USEPA approving the request for an extension of the sampling period to determine compliance of the nitrification towers with the performance criteria as defined in Appendix C of the Consent Decree.

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

Lima Progress Report:

1. March 19, 2019 --- Lima reported an exceedance of the Daily Maximum pH limit at Station 001. This exceedance was later determined to be a recording error related to the calibration of the pH probe.
 2. May 25, 2019 --- Lima reported an exceedance of the residual chlorine limit at Station 001. This occurrence was related to the SCADA programming work being done for wet-weather treatment.
 3. June 28, 2019 --- Lima reported an exceedance of the geometric mean for e-Coli for the month of June at Station 001. A line supplying sodium hypochlorite to the contact chambers was discovered to be plugged. A new line was installed.
- 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 --- Unprecedented precipitation during April and May resulted in 18 recorded WIB occurrences during the reporting period. 14 of the events were directly attributed to rainfall that surcharged the system, and the four other events occurred because of blockages (roots, grease, etc.) in the City's mainlines, causing flow to back up into a basement. 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 1 WIB project in this reporting period, bringing the total number of home projects completed to 145 since program inception. Another three projects are in progress.
 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 1/1/19 to 6/30/19

29,847 linear feet = 5.65 miles (5.7 % 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 June 28, 2019 (WO#59591). 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 1/1/19 to 6/30/19

36,904 linear feet of CCTV Inspection = 6.99 miles (7 % of SSS)

430 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 6 manholes (Mr. Manhole, repair casting, etc.)
2. Installed 8 new manholes.
3. Repaired 26 feet of 54-inch RCP sanitary sewer mainline.
4. Installed 1,568 feet of 10-inch sanitary mainline.

- 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

January 1 - June 30, 2019

Annual Report #	EPA ID #	Location of Overflow		SSO	CSO YTD
302	2PE00000047	MH#14 on Lost Creek Golf Course	SSO	18	
007	2PE00000007	S. Central Ave. & Ottawa River	CSO		14
008	2PE00000008	Timberlake Sewer & Ottawa River	CSO		8
009	2PE00000009	Oxford Ave. & Collett Street	CSO		1
037	2PE00000037	North Shore Dr. & Cole St.	CSO		7
035	2PE00000035	Lakewood Ave & Charles St.	CSO		2
034	2PE00000034	Judkins Ave at Kunneke Ave	CSO		3
033	2PE00000033	Nixon Ave. at Kunneke Ave.	CSO		3
303	2PE00000029	Glenwood Ave. between Lakewood and Wales Ave.	SSO	8	
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	5	
307	*****	418 South Pears (MH 0-10)	SSO	2	
308	2PE00000025	S. Pears Ave. between Lowell Ave. & Wendell Ave.	SSO	14	
309	2PE00000023	S. Pears Ave. between W. Spring & W. Elm St	SSO	12	
310	2PE00000024	Between W. Spring & W. Elm, East of Primrose Pl	SSO	13	
311		1861 Wendell	SSO	1	
313	2PE00000031	S. Cable Rd. at Lakewood Ave.	SSO	17	
314	2PE00000032	S. Cable Rd. at Wendell Ave.	SSO	16	
316	2PE00000022	Dale Dr. & Idlewild Dr.	SSO	6	
317	2PE00000020	Dale Dr. between W. Wayne & Oakland Pkwy	SSO	14	
318	2PE00000021	Dale Dr. & West Wayne St.	SSO	11	
319	2PE00000018	University Ave. & Dale Dr.	SSO	10	
320	*****	Columbia @ Allentown, MH #92	SSO	15	
321	2PE00000051	1379 N. Cable Road Lift Station (Check Valve)	SSO	3	
322	2PE00000050	1700 Allentown Road Lift Station (Check Valve)	SSO	5	
323	*****	Rosedale @ Ellison Ave.	SSO	6	
324	*****	Woodlawn @ Ellison Ave.	SSO	9	
325	2PE00000017	Woodlawn Ave. & Feeman Ave.	SSO	12	
014	2PE00000014	Metcalf St. & Tremont Ave.	CSO		0
016	2PE00000016	Metcalf St. & Ashton Ave.	CSO		3
015	2PE00000015	Metcalf St. & Runyan Ave.	CSO		3
038	2PE00000038	West & O'Conner Ave	CSO		4
012	2PE00000012	McDonel St. & O'Connor Ave.	CSO		2
011	2PE00000011	Burch Ave. & O'Connor Ave.	CSO		2
013	2PE00000013	Metcalf St. & O'Connor Ave.	CSO		3
326	2PE00000010	Northwold St. & O'Connor Ave.	SSO	3	
327	2PE00000049	1330 Melrose Ave.	SSO	0	
329	2PE00000042	Metcalf St. & Lane Ave.	SSO	0	
330	2PE00000044	Metcalf St. & Ford Ave.	SSO	2	
331	*****	Burch & Ford	SSO	3	
332	2PE00000046	2032 Burch Ave.	SSO	2	
333	2PE00000045	Burch Ave. & Lewis Ave.	SSO	2	
334	2PE00000043	Metcalf St. & Lewis Blvd.	SSO	3	
335	2PE00000041	Celia Place & Northern Ave.	SSO	1	
336	2PE00000039	Karen St. & Lewis Blvd. (N)	SSO	17	
337	2PE00000038	Karen St. & Lane Ave	SSO	16	
338	2PE00000056	West St. Lift Station	SSO	3	
Overflow Totals =				251	55
Report Updated on 7/1/2019				SSO	CSO
Total # of Reports....26					