

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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STATE OF OHIO

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JAN 26 2017

OHIO E.P.A.
N.W.D.O.

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) July 1, 2016 --- Required Lima to begin construction on the Headworks and Primary Clarification Improvements. Lima actually began construction on May 18, 2015.

- 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. The following is a list of items in progress or completed:
 - a. Bar screens #3 & #4 placed in service
 - b. Primary settling tanks #1 and #2 placed in service
 - c. Aerated grit tanks #1 and #2 placed in service
 - d. Primary sludge pump station placed in service
 - e. Secondary effluent pump station placed in service
 - f. New Outfall (Station 001) to Ottawa River placed in service
 - g. Chlorine contact chamber construction in progress
 - h. Primary settling tanks #3 and #4 construction in progress
 - i. Primary scum screen in progress
 - j. Drainage pump station in progress
 - k. Chemical Feed building for sodium hypochlorite / sodium bisulfite in progress
 - l. Aerated grit tanks #3 & #4 in progress

See (Attachment A) Gantt chart for anticipated progress in next 6 months.

2. **Upstream Regulator Project** -- This project was in full operation on Sept 21, 2016. Final punch-out items including as-built drawings were completed on November 30, 2016.
3. **CMOM Plan Development** -- The CMOM plan was submitted to USEPA and OEPA on July 10, 2015. Lima will implement the plan within 30 days of agency approval. To date Lima has not received a response from the agency on the submittal.
4. **Asset Management** --Final design documents are nearing completion and development of bid documents for the Phase 1 Rehabilitation of the Segmented Block Sewers is in progress. Survey work was completed in November, 2016. Progress over the next six months is expected to include completion of the bid documents.
5. **Supplemental Environmental Project (SEP)**. Lima submitted a final report via Geosyntec Consultants on June 30, 2016. Lima received a response letter from USEPA on December 15, 2016 indicating that Lima cannot consider the SEP to have been successfully completed at this time. USEPA requests Lima to submit a Revised SEP Completion Report by **January 31, 2018**. USEPA also requests an interim letter of notification within 30 days of the replanting of 213 trees.
6. **Simmon's Field CSO EQ Basin** -- The City is under contract with MWH Engineers for the preliminary engineering of this project. Four progress meetings occurred in the reporting period, with the Basis of Design document submitted on December 22, 2016. Expected progress in the next six months is the submittal of 30% and 60% design drawings. A Phase II Environmental Site Assessment is also expected to be performed.

- 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 20, 2016 --- Lima received a Preliminary Compliance Review letter from OEPA indicating a daily limit violation on June 6th for Total Chlorine Residual at Station 001.

2. July 20, 2016 --- Lima submitted a response letter to OEPA concerning the June 6th daily limit violation for Total Chlorine Residual at Station 001
3. July 25, 2016 --- Lima received a NOV letter from OEPA concerning the discharge of sludge to the Ottawa River at Station 001
4. August 1, 2016 --- Lima submitted a letter to OEPA in response to the sludge discharge to the Ottawa River.
5. August 8, 2016 --- Lima submitted a letter to USEPA concerning the sludge discharge to the Ottawa River.
6. August 15, 2016 --- Lima submitted a letter to OEPA concerning the exceedance of the weekly limit for E.coli (31648).
7. August 16, 2016 --- Lima submitted a second letter to OEPA concerning the second exceedance of the weekly limit for E.coli (31648).
8. August 29, 2016 --- Lima submitted a letter to USEPA concerning the two E.coli exceedances.
9. October 31, 2016 --- Lima received a Resolution of Violation letter from OEPA indicating that all violations related to the sludge discharge on July 25, 2016 had been resolved.
10. December 14, 2016 --- Lima submitted a response letter to OEPA concerning an effluent temperature violation at Station 604.
11. December 15, 2016 --- USEPA sent a letter notifying Lima that the Supplemental Environmental Project, US and State of Ohio v. City of Lima Case Number: 33:14-cv-02551-JZ, had not been successfully completed.
12. December 16, 2016 --- Lima received a letter from OEPA in response to a Reconnaissance Inspection conducted on 12/7/16 at the WWTP to observe the new pump station and outfall structure. There were no issues of concern.

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

Lima Progress Report:

1. July 20, 2016 --- Lima's WWTP had an exceedance of the daily limit for Total Chlorine Residual at Station 001.
2. August 14, 2016 --- Lima's WWTP had an exceedance of the weekly limit for E.coli (31648). The limit is 284/100ml. Lima's sample was TNTC.
3. August 15, 2016 --- Lima's WWTP had an exceedance of the weekly limit for E.coli (31648). The limit is 284/100ml. Lima's sample was TNTC.

4. December 13, 2016 --- Lima failed to record effluent temperature at Station 604.
- 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 1 instance of WIB. It occurred as a result of debris that backed up the City's mainline. The line was immediately jetted and returned to normal service. 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 one WIB project in the last six month reporting period.
 2. SSO & CSO Monthly Reporting -- See Overflow Totals Report (Attachment C). 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 7/1/16 to 12/31/16
34,179 linear feet = 6.47 miles (6.4 % 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 29, 2016. 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 (see Attachment B).

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

Lima Progress Report:

July 1, 2016 – December 31, 2016
39,800 linear feet of CCTV Inspection= 7.5 miles (7.5% of SSS)
148 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 32 manholes (Mr. Manhole, repair casting, etc.)

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

Lima Progress Report:

Plan has been submitted to USEPA and Ohio EPA, but not yet approved.

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

Lima Progress Report: Maintenance crews discovered and eliminated storm water cross-connections at 201 Blackburn and 1057 Independence Drive.

- 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.

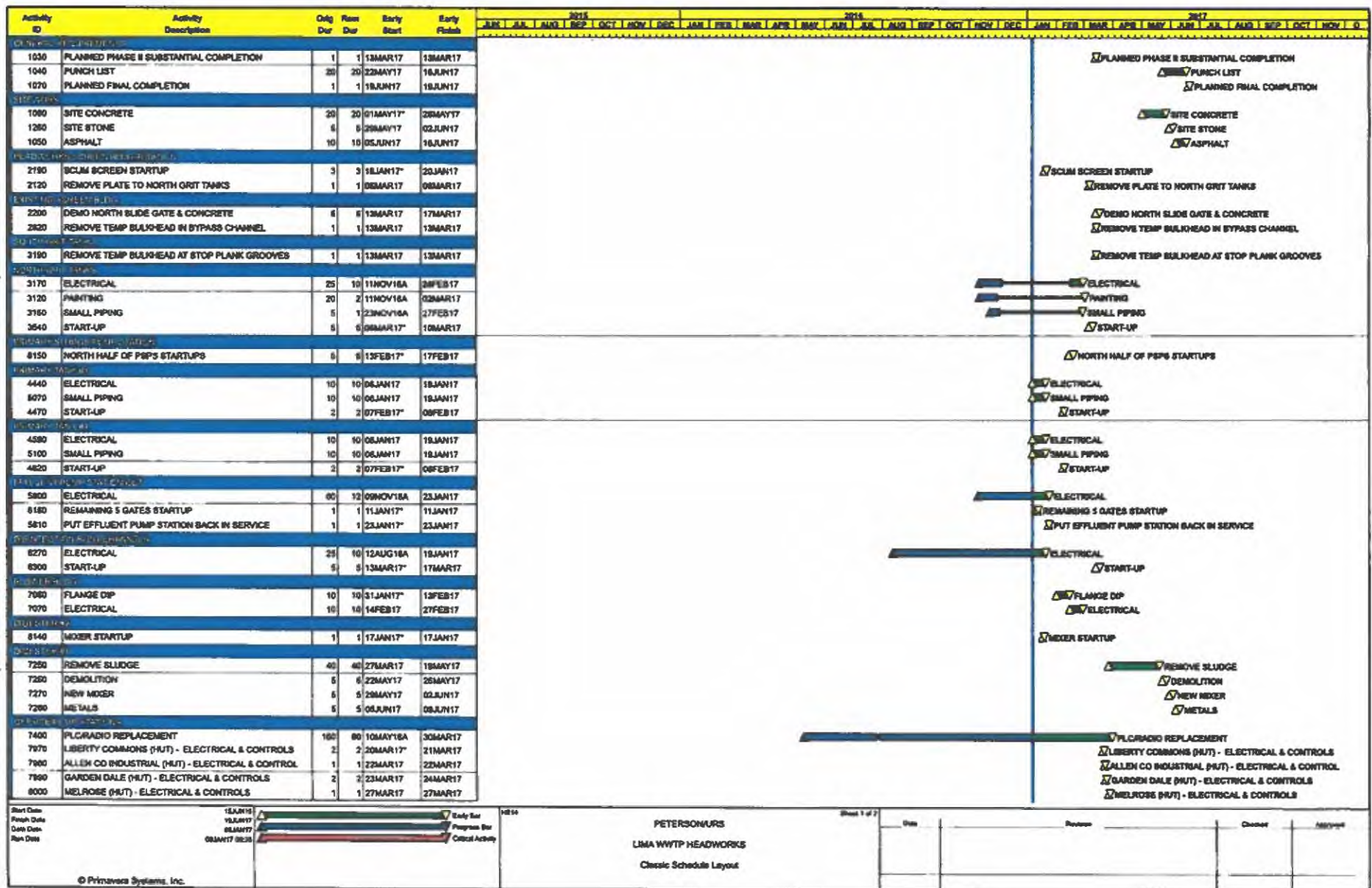


Michael H. Caprella
Director of Utilities
City of Lima, Ohio

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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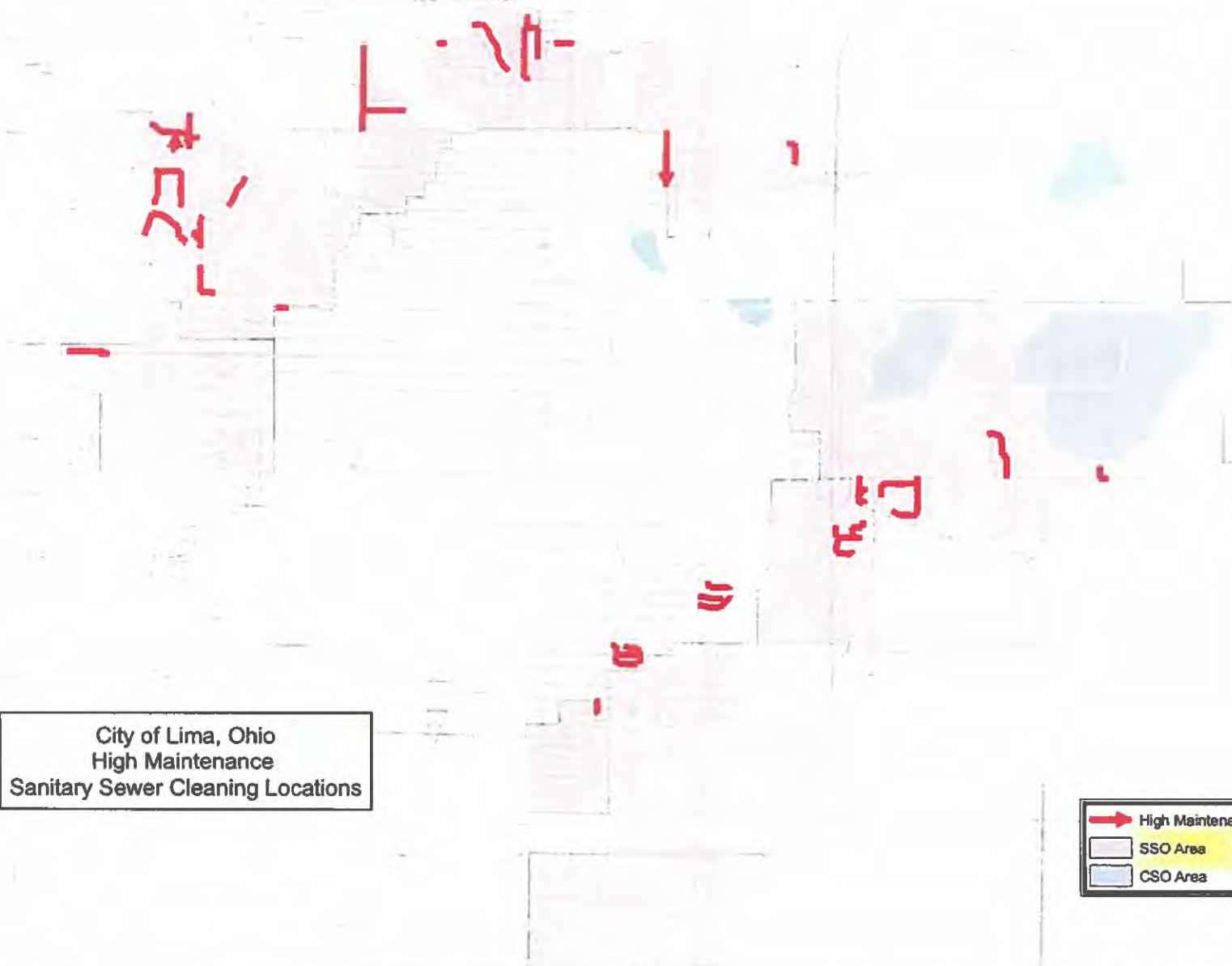
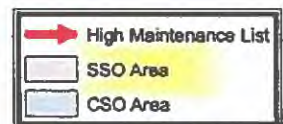
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Attachment B



City of Lima, Ohio
High Maintenance
Sanitary Sewer Cleaning Locations



SSO & CSO Overflow Totals

July 1 - December 31, 2016

Annual Report #	EPA ID #	Location of Overflow		Inflow	SSO	CSO
302	2PE00000047	MH#14 on Lost Creek Golf Course	SSO	1	3	
007	2PE00000007	S. Central Ave. & Ottawa River	CSO	1		2
008	2PE00000008	Timberlake Sewer & Ottawa River	CSO	1		
009	2PE00000009	Orford Ave. & Collett Street	CSO	4		1
037	2PE00000037	North Shore Dr. & Cole St.	CSO	1		
035	2PE00000035	Lakewood Ave & Charles St.	CSO	2		3
034	2PE00000034	Judkins Ave at Kunneke Ave	CSO	3		2
033	2PE00000033	Nixon Ave. at Kunneke Ave.	CSO	1		1
303	2PE00000029	Glenwood Ave. between Lakewood and Wales Ave.	SSO		1	
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		1	
307	*****	418 South Pears (MH 0-10)	SSO		1	
308	2PE00000025	S. Pears Ave. between Lowell Ave. & Wendell Ave.	SSO		1	
309	2PE00000023	S. Pears Ave. between W. Spring & W. Elm St	SSO		2	
310	2PE00000024	Between W. Spring & W. Elm, East of Primrose Pl	SSO		1	
311		1861 Wendell	SSO			
313	2PE00000031	S. Cable Rd. at Lakewood Ave.	SSO		7	
314	2PE00000032	S. Cable Rd. at Wendell Ave.	SSO			
316	2PE00000022	Dale Dr. & Idlewild Dr.	SSO		1	
317	2PE00000020	Dale Dr. between W. Wayne & Oakland Pkwy	SSO		2	
318	2PE00000021	Dale Dr. & West Wayne St.	SSO	2	2	
319	2PE00000018	University Ave. & Dale Dr.	SSO		1	
320	*****	Columbia @ Allentown, MH #92	SSO	8	1	
321	2PE00000051	1379 N. Cable Road Lift Station (Check Valve)	SSO			
322	2PE00000050	1700 Allentown Road Lift Station (Check Valve)	SSO		1	
323	*****	Rosedale @ Ellison Ave.	SSO		1	
324	*****	Woodlawn @ Ellison Ave.	SSO			
325	2PE00000017	Woodlawn Ave. & Feeman Ave.	SSO			
014	2PE00000014	Metcalf St. & Tremont Ave.	CSO			1
016	2PE00000016	Metcalf St. & Ashton Ave.	CSO	4		
015	2PE00000015	Metcalf St. & Runyan Ave.	CSO	1		
038	2PE00000038	West & O'Connor Ave	CSO			1
012	2PE00000012	McDonel St. & O'Connor Ave.	CSO			2
011	2PE00000011	Burch Ave. & O'Connor Ave.	CSO	4		
013	2PE00000013	Metcalf St. & O'Connor Ave.	CSO			2
326	2PE00000010	Northwold St. & O'Connor Ave.	SSO	1	1	
327	2PE00000049	1330 Melrose Ave.	SSO	3	3	
329	2PE00000042	Metcalf St. & Lane Ave.	SSO	5		
330	2PE00000044	Metcalf St. & Ford Ave.	SSO	7	2	
331	*****	Burch & Ford	SSO	4		
332	2PE00000046	2032 Burch Ave.	SSO			
333	2PE00000045	Burch Ave. & Lewis Ave.	SSO	4		
334	2PE00000043	Metcalf St. & Lewis Blvd.	SSO	3		
335	2PE00000041	Cella Place & Northern Ave.	SSO	3	2	
336	2PE00000039	Karen St. & Lewis Blvd. (N)	SSO	4	2	
337	2PE00000038	Karen St. & Lane Ave	SSO	3	1	
338	2PE00000056	West St. Lift Station	SSO			
Overflow Totals =				71	38	15
					SSO	CSO
Report Updated on ...1/5/17						
Total # of Reports....17						