CITY OF FINDLAY

2020 ANNUAL REPORT

WATER POLLUTION CONTROL DEPARTMENT

Introduction

The annual report of operations of the Water Pollution Control Center for the year ending December 31, 2020 is respectfully submitted herein. We wish to acknowledge the initiative and cooperation exhibited by those employees listed below in the outstanding operation and maintenance of the wastewater system throughout the year 2020.

The Water Pollution Control Center (WPCC) is comprised of three departments, Water Pollution Control, Sewer Maintenance, and Stormwater Maintenance. Each department operates under separate budgets and are all under the direction of Dave Beach, Superintendent.

The key processes of operations at the WPCC include:

- Provide wastewater treatment that meets or exceeds our National Pollutant Discharge Elimination System (NPDES) Permit
- Meet regulatory reporting requirements set forth in NPDES
- Ensure reliable and valid analytical lab data
- Operation and maintenance of sanitary and storm collection systems
- Condition and dispose of biosolids
- Floodwater management

Staffing

Water Pollution Control Employees:

- Raul Amesquita
- Joel Borer
- Seth Cole
- James Fox
- Dave Frantz
- Joshua Gearing
- Gary Hayden
- Jeremy Hutchinson
- Savannah Kline
- Tom Moses
- Werner Roesch
- Seth Rosselit
- Caleb Swope
- Todd Ward
- Jason Wolfarth

Sewer Maintenance Employees:

- Jordan Barton
- Levi Bishop
- Wesley Breitigam
- Bob Courtney
- Parker Dukes
- Chase Glick
- Dan Gonzalez
- Chris Kolhoff
- Michael Stillberger
- Brent Vaughan

Stormwater Maintenance Employees:

- Dana Cramer
- George Elston

The WPCC employs many staff members that are licensed with the State of Ohio in wastewater treatment and collection. To keep their licensure, they must participate in continuing education and continually meet the standards set forth by the Ohio EPA.

The following employees are licensed by the Ohio Environmental Protection Agency:

Waste Water Operator Licenses:

Dave Beach	Class 4	Werner Roesch	Class 2
Jason Wolfarth	Class 4	Seth Rosselit	Class 2
David Frantz	Class 3	Joel Borer	Class 1
Raul Amesquita	Class 3	Josh Gearing	Class 1
Seth Cole	Class 3	Caleb Swope	Class 1

Waste Water Collection Licenses:

Robert Courtney	Class 2	Mike Stillberger	Class 1
Dan Gonzalez	Class 1	Brent Vaughan	Class 1
Chris Kolhoff	Class 1		

Key Activities

In the year 2020, the City of Findlay WPCC completed its eighty-sixth year of operation by treating 4.500 billion gallons of sewage, which was 147 million gallons less than 2019. The average daily total for sewage treated was 12.152 million gallons per day which is a slight decrease from 2019's daily average of 12.52 million gallons per day. The WPCC was 100% compliance for all regulatory reporting and effluent discharge limits & monitoring requirements of the WPCC NPDES permit. Additional flow data can be found in the graphs included with this report.

To assure compliance with the NPDES permit limits, laboratory testing is performed at the WPCC and several outside laboratories. Two full-time laboratory technicians are required to monitor the specified parameters. The WPCC is pleased to report that our laboratory, once again, received an acceptable rating on all parameters that were tested as part of the annual DMR-QA (Discharge Monitoring Report & Quality Assurance) study.

The WPCC has an approved Ohio Environmental Protection Agency Sludge Management Plan and continues to meet all state and federal regulatory requirements for disposal in a landfill. The wastewater biosolids (sludge) generated at the WPCC is conditioned on four belt filter presses located in the Solids Processing Building. 1800.44 dry tons of biosolids were treated and disposed of at the Hancock County Landfill in 2020.

The Water Pollution Control Center also has an approved Ohio Environmental Protection Agency Industrial Pretreatment Program to regulate the disposal of industrial wastewater into the sanitary wastewater collection system. The Water Pollution Control Center is the legal authority responsible for the management, testing, and record keeping of the program. The WPCC works closely with local industries in the pretreatment of their individual discharges and has developed an excellent cooperative spirit to ensure compliance with the pretreatment program

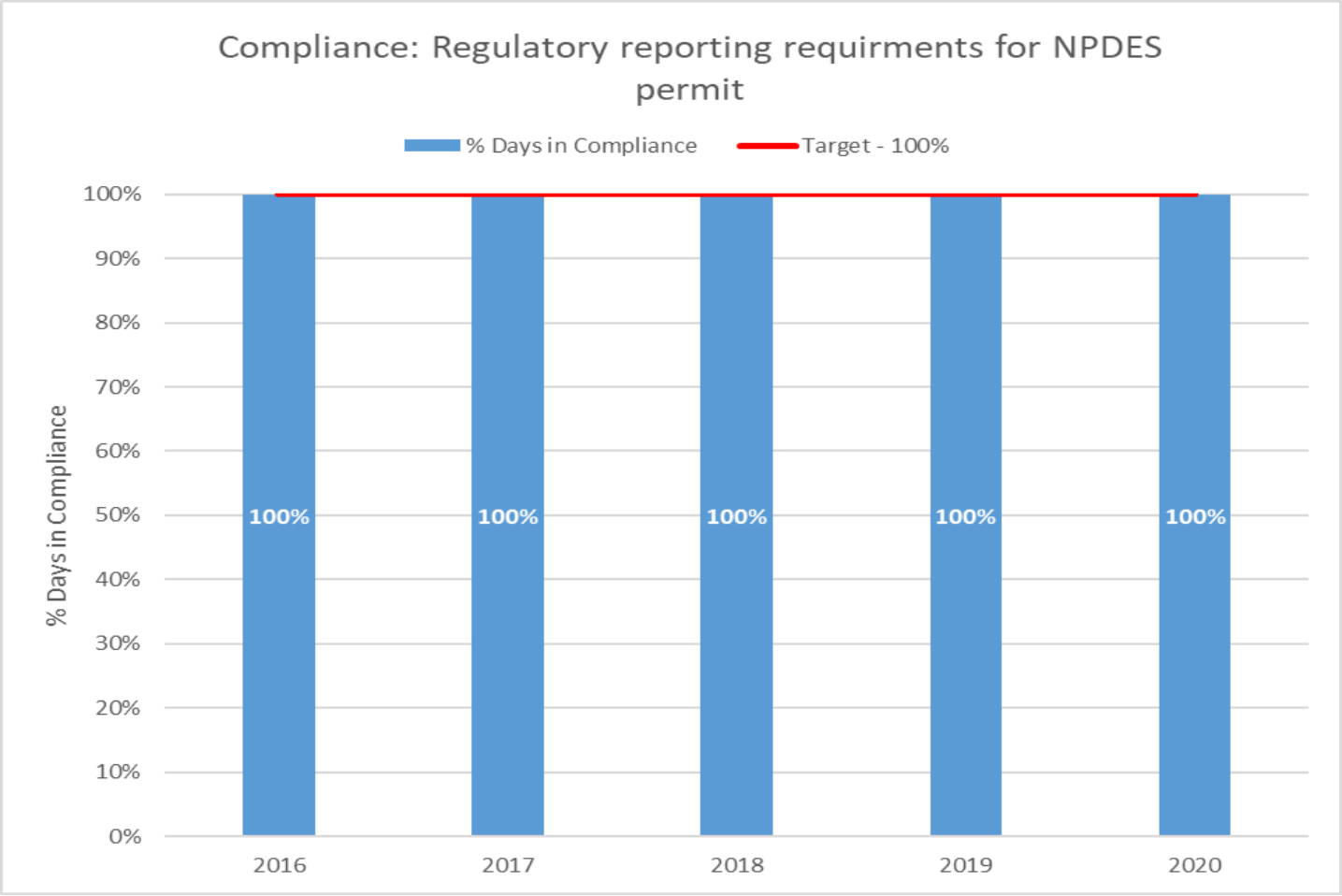
Key Accomplishments

- WPC UV Disinfection System Replacement
- Pump Station Telemetry System Upgrade
- CSO LTCP & SSO Elimination Study
- Belt Filter Press #2 Drive Roller Replacement
- Storm Vactor Replacement
- Annual Sewer Lining

Objectives for the Next Year

In looking ahead to next year, we continue to focus on meeting our key processes while working towards the 2021 objectives of:

- CSO LTCP & SSO Elimination
- Clarifiers No. 3, 4 & 5 rehab
- Oxidation Ditch Concrete Repair
- Continue the Annual Sewer and Manhole Lining Program
- Annual Sewer Televising
- Admin Truck Bay & Plant Maintenance Roof Replacement


Compliance: Regulatory reporting requirments for NPDES permit
% Days in Compliance
Target - 100%
% Days in Compliance
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
100%
100%
100%
100%
100%
2016
2017
2018
2019
2020

Budget Summary Sheet

CITY OF FINDLAY

Divisions: *Water Pollution Control*
Sewer Maintenance
Storm Water

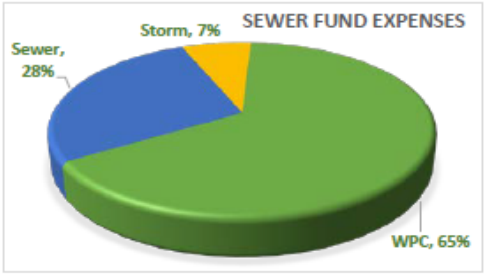
WATER POLLUTION CONTROL
Superintendent Dave Beach

FINANCIAL VISION

BUDGET		2018 actual	2019 actual	2020 projection	Original 2020 request	2021 request	$ change from 2020 request to 2021 request	% change from 2020 request to 2021 request
WPC	Personal Services	$ 1,292,036	$ 1,367,809	$ 1,346,355	$ 1,460,268	$ 1,425,443	$ (34,825)	-2.38%
	Other	$ 1,014,435	$ 921,773	$ 1,019,480	$ 1,109,429	$ 1,112,873	$ 3,444	0.31%
Sewer Maintenance	Personal Services	$ 716,017	$ 729,613	$ 815,476	$ 806,483	$ 857,450	$ 50,967	6.32%
	Other	$ 131,196	$ 159,603	$ 208,118	$ 220,360	$ 220,380	$ 20	0.01%
Storm Water	Personal Services	$ 146,659	$ 151,980	$ 161,385	$ 161,582	$ 163,004	$ 1,422	0.88%
	Other	$ 102,977	$ 95,037	$ 67,272	$ 108,550	$ 108,800	$ 250	0.23%
TOTAL		$ 3,403,321	$ 3,425,815	$ 3,618,086	$ 3,866,672	$ 3,887,950	$ 21,278	0.55%

BUDGET HIGHLIGHTS

- 1.31% wage increase



STAFFING	2017	2018	2019	2020	2021
WPC	16	16	16	16	16
Sewer Maintenance	10	10	10	10	10
Storm Water	2	2	2	2	2

OPERATIONS AND SERVICES

2020 CAPITAL IMPROVEMENT HIGHLIGHTS

- WPC UV Replacement Phase II
- Pump Stations Telemetry System Upgrade
- Storm Vactor Replacement
- Annual Sewer & Manhole Lining Program
- Annual Sewer Televising

2020 ACHIEVEMENTS

- CSO LTCP & SSO Elimination Study
- Bright Rd. Pump Station - Pump(s) Rebuild / Repair
- WPC Entrance Gate Operator & Controls Upgrade
- Belt Filter Press #2 Drive Roller Replacement

2021 OBJECTIVES

- Clarifiers No. 3, 4 & 5 Rehab
- Oxidation Ditch Concrete Repair
- Annual Sewer & Manhole Lining Program
- Annual Sewer Televising
- Admin Truck Bay & Plant Maint. Roof Replacement
- CSO LTCP & SSO Elimination

2020
ANNUAL SUMMARY OF OPERATIONS

MONTH	FLOW (MILLION GALLONS)		
	TOTAL	*AVG/DAY*	*PEAK*
JANUARY	502.907	16.223	38.138
FEBRUARY	361.293	12.458	21.778
MARCH	535.513	17.275	44.825
APRIL	357.480	11.916	19.817
MAY	470.346	15.172	44.521
JUNE	321.586	10.720	14.959
JULY	328.981	10.612	13.435
AUGUST	376.979	12.161	21.963
SEPTEMBER	321.021	10.701	14.272
OCTOBER	336.022	10.839	23.227
NOVEMBER	261.684	8.723	17.129
DECEMBER	279.793	9.026	14.650
2020 TOTAL	**4,453.605**		
2020 AVERAGE	**371.134**	**12.152**	**24.060**
2019 TOTAL	4,700.579		
2019 AVERAGE	391.715	12.933	26.985
2018 TOTAL	4,552.233		
2018 AVERAGE	379.353	12.521	25.338

2020
ANNUAL SUMMARY OF OPERATIONS

MONTH	SUSPENDED SOLIDS MG/L		5-DAY CBOD MG/L		AMMONIA MG/L	
	RAW	*FINAL*	*RAW*	*FINAL*	*RAW*	*FINAL*
JANUARY	99	2.96	76	2.26	8.7	0.011
FEBRUARY	106	1.85	86	2.45	10.0	0.012
MARCH	113	5.05	74	5.86	8.6	0.011
APRIL	122	6.68	82	3.73	11.3	0.009
MAY	110	3.90	85	3.00	11.1	0.018
JUNE	132	4.73	118	5.95	16.8	0.015
JULY	184	3.17	127	8.17	18.1	0.065
AUGUST	167	1.67	125	4.14	17.8	0.063
SEPTEMBER	149	3.55	117	2.91	17.0	0.050
OCTOBER	162	3.77	124	4.23	17.8	0.020
NOVEMBER	164	3.81	120	3.57	16.6	0.017
DECEMBER	136	3.09	118	3.04	15.2	0.005
NPDES LIMIT (SUMMER)	5/01-10/31	14	N/A	10	N/A	0.91
NPDES LIMIT (WINTER)	11/01-4/30	18	N/A	13	N/A	3.5
2020 AVERAGE	**137**	**3.69**	**104**	**4.11**	**14.1**	**0.025**
2019 AVERAGE	136	2.88	103	2.07	12.5	0.034
2018 AVERAGE	132	3.16	104	2.2	12.3	0.036

2020
ANNUAL SUMMARY OF OPERATIONS

MONTH	TOTAL PHOSPHORUS MG/L		COD MG/L	E. COLI #/100ML
	RAW	*FINAL*	*FINAL*	*FINAL*
JANUARY	2.3	0.52	16	
FEBRUARY	2.4	0.62	7	
MARCH	2.2	0.60	23	
APRIL	2.6	0.64	24	
MAY	2.5	0.70	22	7
JUNE	3.3	0.80	28	14
JULY	3.9	0.72	45	4
AUGUST	4.0	0.81	24	14
SEPTEMBER	3.7	0.83	16	13
OCTOBER	4.0	0.79	29	10
NOVEMBER	3.9	0.79	11	
DECEMBER	3.5	0.79	16	
NPDES LIMIT	***N/A***	***1***	***N/A***	***126/100ML***
2020 AVERAGE	3.19	0.72	21.75	10.33
2019 AVERAGE	3.03	0.69	13.75	17.83
2018 AVERAGE	3.07	0.70	10.25	40.83

2020
ANNUAL SUMMARY OF OPERATIONS

MONTH	DISSOLVED OXYGEN (PPM)		
	FINAL EFFLUENT	*BLANCHARD RIVER ABOVE*	*BLANCHARD RIVER BELOW*
JANUARY	8.9	12.1	12.0
FEBRUARY	9.3	12.0	11.7
MARCH	9.0	12.1	12.1
APRIL	9.1	10.1	9.8
MAY	8.5	8.2	8.6
JUNE	8.0	8.9	8.4
JULY	7.3	5.2	5.6
AUGUST	7.3	5.1	5.3
SEPTEMBER	7.7	6.4	6.3
OCTOBER	8.0	7.9	7.0
NOVEMBER	8.5	10.5	10.3
DECEMBER	9.1	12.7	12.1
NPDES PERMIT (SUMMER) 5/01-10/31	6.7		
NPDES PERMIT (WINTER) 11/01-4/30	5.3		
2020 AVERAGE	8.4	9.3	9.1
2019 AVERAGE	8.3	9.3	8.9
2018 AVERAGE	8.3	9.8	9.5

2020

SOLIDS PROCESSING

ANNUAL REPORT

MONTH	OPERATING HOURS				TOTAL OPERATING
	1	2	3	4	HOURS
JANUARY	149.00	142.00	73.00	60.50	424.50
FEBRUARY	131.00	124.50	118.00		373.50
MARCH	119.25	114.75	109.00		343.00
APRIL	120.75	115.00	109.75		345.50
MAY	92.75	3.50	88.25	74.75	259.25
JUNE	92.50		89.50	84.25	266.25
JULY	115.25		118.00	111.50	344.75
AUGUST	98.00		98.00	91.75	287.75
SEPTEMBER	105.25		100.25	95.25	300.75
OCTOBER	104.50		100.50	94.50	299.50
NOVEMBER	111.25	105.25		99.75	316.25
DECEMBER	129.75	123.25		116.50	369.50
TOTAL	1,369.25	728.25	1,004.25	828.75	3,930.50
AVERAGE	114.10	104.03	100.43	92.08	327.54

2020

SOLIDS PROCESSING

ANNUAL REPORT

MONTH	AVERAGE COST $/TON	POLYMER COST TOTAL,$	POLYMER USAGE GALLONS	AVERAGE SOLIDS CAPTURE, %
JANUARY	20.92	3,834.43	325.78	0.99
FEBRUARY	19.10	3,063.96	260.32	0.98
MARCH	16.03	2,452.16	208.34	0.99
APRIL	14.53	2,653.07	225.41	0.99
MAY	15.55	2,095.89	178.07	0.99
JUNE	15.39	2,159.68	183.49	0.99
JULY	20.39	3,189.79	271.01	0.99
AUGUST	21.07	2,718.28	230.95	0.99
SEPTEMBER	19.50	2,747.35	233.42	0.99
OCTOBER	19.89	2,715.10	230.68	0.99
NOVEMBER	19.81	2,659.79	225.98	0.99
DECEMBER	20.39	3,036.19	257.96	0.99
TOTAL		33,325.69	2,831.41	
AVERAGE	18.55			0.99

Polymer cost/gal *$11.77*

2020

SOLIDS PROCESSING ANNUAL REPORT

MONTH	TOTAL SLUDGE DEWATER & SUPNT. GALLONS	DEWATERED SLUDGE GALLONS	SUPERNANT GALLONS	DEWATERED SLUDGE DRY TONS	AVG. SOLIDS FEED %	AVG. SOLIDS CAKE %
JANUARY	8,350,341	5,425,500	2,924,841	183.28	0.91	15.90
FEBRUARY	7,926,987	5,221,100	2,705,887	160.45	0.84	16.10
MARCH	7,562,856	4,747,100	2,815,756	153.00	0.88	16.50
APRIL	7,788,345	4,633,200	3,155,145	182.55	1.10	19.10
MAY	6,357,072	3,491,100	2,865,972	134.79	1.16	16.90
JUNE	6,206,960	3,404,650	2,802,310	140.33	1.18	16.90
JULY	7,735,500	4,448,500	3,287,000	156.45	1.01	16.40
AUGUST	6,699,310	3,794,600	2,904,710	129.03	0.95	16.40
SEPTEMBER	6,778,589	3,932,000	2,846,589	140.90	0.98	16.70
OCTOBER	6,842,204	3,860,500	2,981,704	136.48	0.98	15.50
NOVEMBER	7,430,852	3,994,300	3,436,552	134.27	0.93	15.40
DECEMBER	8,097,737	4,617,700	3,480,037	148.91	0.89	15.20
TOTAL	87,776,753	51,570,250	36,206,503	1,800.44		
AVERAGE	7,314,729	4,297,521	3,017,209	150.04	0.98	16.42

2019-2020
COMPARISON OF OPERATIONS

REMOVAL OF SUSPENDED SOLIDS	
2019 RAW TO FINAL	*2020 RAW TO FINAL*
97.89%	97.88%

REMOVAL OF 5-DAY C.B.O.D.	
(Carbonaceous Biochemical Oxygen Demand)	
2019 RAW TO FINAL	*2020 RAW TO FINAL*
97.99%	96.01%

REMOVAL OF AMMONIA	
2019 RAW TO FINAL	*2020 RAW TO FINAL*
99.73%	99.91%

REMOVAL OF TOTAL PHOSPHORUS	
2019 RAW TO FINAL	*2020 RAW TO FINAL*
77.13%	77.63%

COST OF OPERATION		
	2020	*2019*
PAYROLL & BENEFITS	$1,341,492	$1,377,605
UTILITIES (electric, water & sewage)	$434,423	$481,863
CHEMICALS	$70,871	$63,470
EQUIPMENT MAINTENANCE	$149,902	$82,934
MISCELLANEOUS	$165,726	$252,554
CAPITAL EQUIPMENT	$168,807	$39,930
OPERATING COST TRANSFER	$658,951	$637,543
TOTAL	$2,990,171	$2,935,899
COST PER MILLION GALLONS	$671.40	$625

2019-2020 TEMPERATURE AND PRECIPITATION DATA

MONTH	AVERAGE TEMPERATURE (DEGREES)				PRECIPITATION (INCHES)			
	2019		2020		RAINFALL		ANNUAL SNOWFALL	
	MAX	MIN	MAX	MIN	2019	2020	2019	2020
JANUARY	55	-12	61	10	2.30	3.76	10.6	2.8
FEBRUARY	57	5	61	6	3.10	2.06	4.6	8.3
MARCH	66	6	66	18	3.31	3.41	4.9	2.1
APRIL	75	21	74	25	5.81	1.92	T	3.4
MAY	86	40	88	28	4.00	4.19	0	0
JUNE	92	48	95	43	5.86	1.47		
JULY	94	58	96	61	4.03	2.11		
AUGUST	90	54	91	52	4.86	2.62		
SEPTEMBER	91	48	86	41	1.72	1.60		
OCTOBER	90	34	81	27	3.33	4.23		
NOVEMBER	57	6	79	21	0.63	2.21	T	2.3
DECEMBER	63	7	60	15	2.22	0.96	T	2.7
TOTAL					**41.17**	**30.54**	**20.1**	**21.6**
AVERAGE	**76.3**	**26.3**	**78.2**	**28.9**				
YEARLY AVERAGE	**51.3**		**53.5**					
HISTORICAL AVERAGE	50.4				36.02		26.7	

Sewer Maintenance

The Sewer Maintenance department maintains a sanitary sewer system that reaches far outside the City of Findlay corporation limits. The sanitary sewer system has over 16,999 customers and is estimated to consist of 304 miles of sewers and several thousand manholes. They also maintain 15.1 miles of sanitary force mains from various pump stations located both within the City of Findlay corporation limits and in the outlying area. Located on these force mains are 36 air relief valves that require weekly maintenance and replacement as needed to ensure efficient pumping and proper flows from the lift stations to the plant.

A total of 125 reports of sewer problems were investigated in the year 2020. About 7% of the reports were due to a problem within the City's sewer system while the remaining 93% were determined to be in the homeowner's sewer.

Vactor

As part of a preventive maintenance program, all City sanitary sewers are cleaned every eight years and those areas that historically have sewer problems are monitored and cleaned more often. In 2020, a total of 20.3 miles of sanitary sewer were cleaned by a high-pressure water sewer cleaner and vacuum truck called the sanitary vactor. This cleaning removed 112 cubic feet of debris from the City's sanitary system.

Additional preventative efforts included the treatment of 3,879 feet of sanitary sewer by private contractor to decrease the effect of tree root intrusion on the sewers. The root treatment process involves the spraying of foam on the roots within the sewer system which kills the roots without harming the tree. This helps to reduce sewer blockages within the lines and cuts down on the frequency that cleaning is required. A rat control maintenance program is also in place for the City sewers.

Throughout the year, 23 sanitary sewer pipes and 54 storm sewer pipes were repaired which had either collapsed or were damaged. The Sewer Maintenance Department also repaired manholes, constructed new manholes, adjusted castings to grade, and conducted dye tests.

The Sewer Maintenance Department, along with the Water Distribution Department, is required to locate and mark sewers and related structures as part of the Ohio Utilities Protection Service. During 2020, there 8,524 requests for sewer locates.

In 2020, 66,226 feet of sanitary sewer and 49,857 feet of storm sewer were televised and assigned a rating based on their condition.

2020
SEWER MAINTENANCE
ANNUAL REPORT OF OPERATIONS

MONTH	CLEANING									CATCH BASINS		CONFINED SPACE ENTRIES	MANHOLES ADJUSTED #	SEWER CALLS #	ISSUE WITH CITY SEWER #	TELEVISED		PIPE REPAIRS	
	BUCKET		VACTOR						JET										
	SANITARY FEET	STORM FEET	SANITARY FEET	DEBRIS REMOVED FT3	STORM FEET	DEBRIS REMOVED FT3	BASINS #	DEBRIS REMOVED FT3	FLUSHING FEET	REPAIRED #	PATCHED #					SANITARY FEET	STORM FEET	SANITARY	STORM
JANUARY	0	0	2,105	16	3,620	8	65	404	0	0	13	4	0	13	0	6,883	1,591	2	8
FEBRUARY	0	0	2,195	8	679	2	0	0	0	0	0	0	1	5	0	3,430	2,863	0	8
MARCH	0	0	10,245	14	2,420	7	145	1,010	0	3	12	0	0	19	1	1,,088	10,901	0	10
APRIL	0	0	20,410	13	600	3	199	1,212	0	3	19	2	0	11	0	9,059	2,887	0	5
MAY	0	0	11,139	10	3,043	2	0	0	0	1	7	1	9	14	0	4,322	1,988	6	3
JUNE	0	0	10,183	7	3,114	4	40	303	0	2	5	0	0	13	0	8,344	4,235	7	7
JULY	0	0	10,573	5	105	1	80	505	0	0	5	1	1	12	1	8,017	5,402	5	10
AUGUST	0	0	15,806	22	1,210	2	59	404	0	2	4	1	5	6	1	4,896	5,714	1	1
SEPTEMBER	0	0	10,235	3	0	0	152	1,010	0	1	4	3	5	10	2	8,313	3,863	2	2
OCTOBER	0	0	8,505	7	450	1	439	2,626	0	2	13	1	1	6	1	6,384	4,993	0	0
NOVEMBER	0	0	3,110	4	66	0	199	1,313	0	1	9	0	0	9	2	2,050	3,910	0	0
DECEMBER	0	0	2,525	3	13	0	225	1,313	0	2	4	0	0	7	1	4,528	1,510	0	0
2020 TOTAL	0	0	107,031	112	15,320	30	1,603	10,100	0	17	95	13	22	125	9	66,226	49,857	23	54
2019 TOTAL	3,200	0	161,103	293	6,374	43	1,819	13,231	0	18	145	7	16	130	3	46,957	30,060	26	22

SEWER MAINTENANCE
COST OF OPERATION

	2020	2019
PAYROLL & BENEFITS	$808,347	$734,409
UTILITIES (electric, water & sewage)	$16,387	$19,798
WATER & SEWER LINE MAINTENANCE	$29,739	$43,558
VEHICLE & EQUIPMENT MAINTENANC	$31,792	$34,776
FUEL	$23,098	$27,053
MISCELLANEOUS	$44,351	$31,720
CAPITAL EQUIPMENT	$48,196	$54,989
TOTAL	**$1,001,910**	**$946,303**

Stormwater Maintenance

The Stormwater Maintenance Department works in a combined effort with Sewer Maintenance to maintain and repair the storm sewer system within the City of Findlay corporation limits. The collection system consists of approximately 6,400 catch basins connected by an unknown amount of sewer line and manholes. Throughout the year, 1,603 catch basins along with 15,320 feet of storm sewer were cleaned. These efforts removed 43 cubic feet of debris from the stormwater collection system. A total of 95 catch basins were patched.

In an effort to decrease stormwater pollution, the Public Works department removed 292 cubic yards of debris from the streets by street sweeping and prevented this pollution from entering into the storm sewer system and then flowing into the receiving stream.

With Ordinance 2015-37 and 2015-38 concerning illicit discharge, illegal connection control, drainage, and erosion and sediment control in place, Mitchell Heacock, in the Engineering Department has been able to put the Storm Water Management Plan (MS4) into action.
The plan addresses the following six minimum controls which were set forth by the OEPA:

- Public Education and Outreach
- Public Participation and Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post Construction Storm Water Management
- Pollution Prevention and Good Housekeeping

Each of these controls have BMPs (Best Management Practices) or activities which have measurable goals. Each of these goals have an implementation schedule to track the progress of the activities that are being achieved.

All City departments submitted their of Municipal Operations Pollution Prevention/Good Housekeeping reports which require each city department to complete quarterly non-stormwater inspections during dry weather, semi-annual stormwater inspections during rain events, and an annual site inspection report each year that sums up all findings from the year and explains the actions taken to correct any problems. There were again no significant issues found from this reporting.

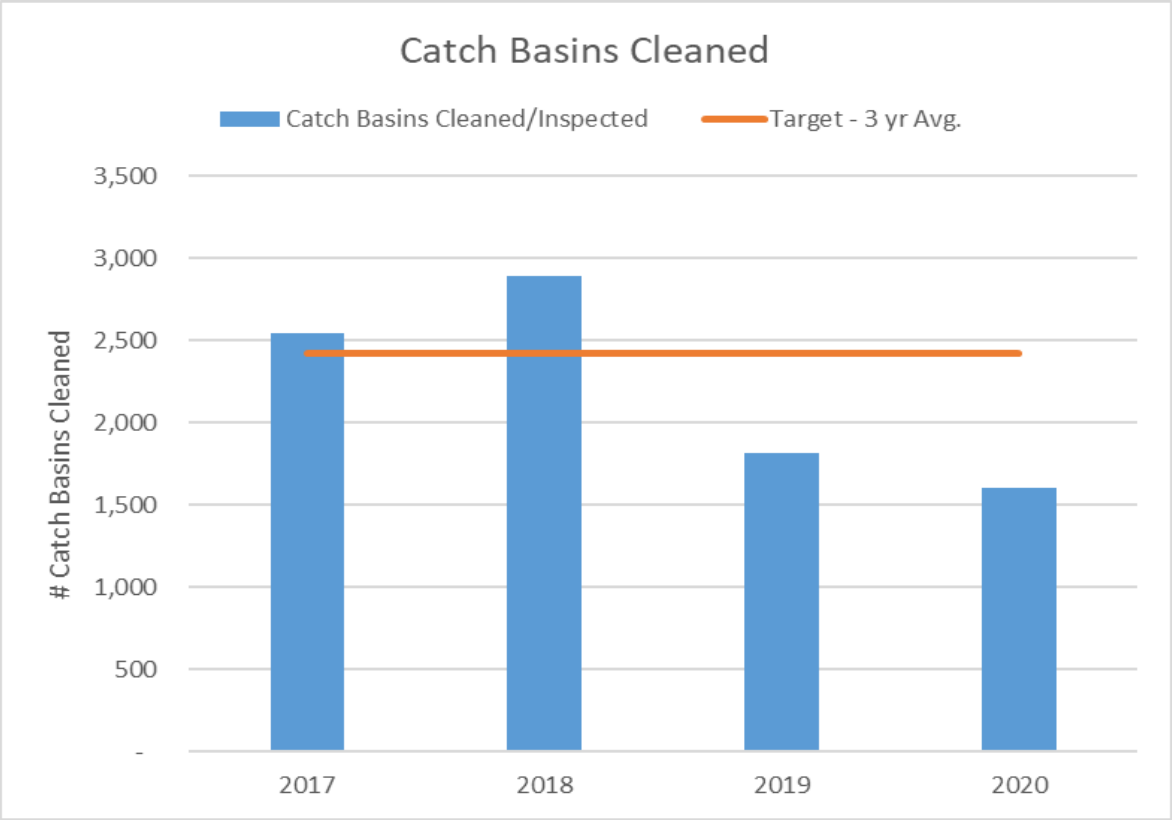
Continued outreach to the public through the distribution of fliers in the water and sewer bills helps to alert residents of the hazards of storm water pollution and how they can prevent it. Educational materials were also provided during field trips and tours given at the WPCC.

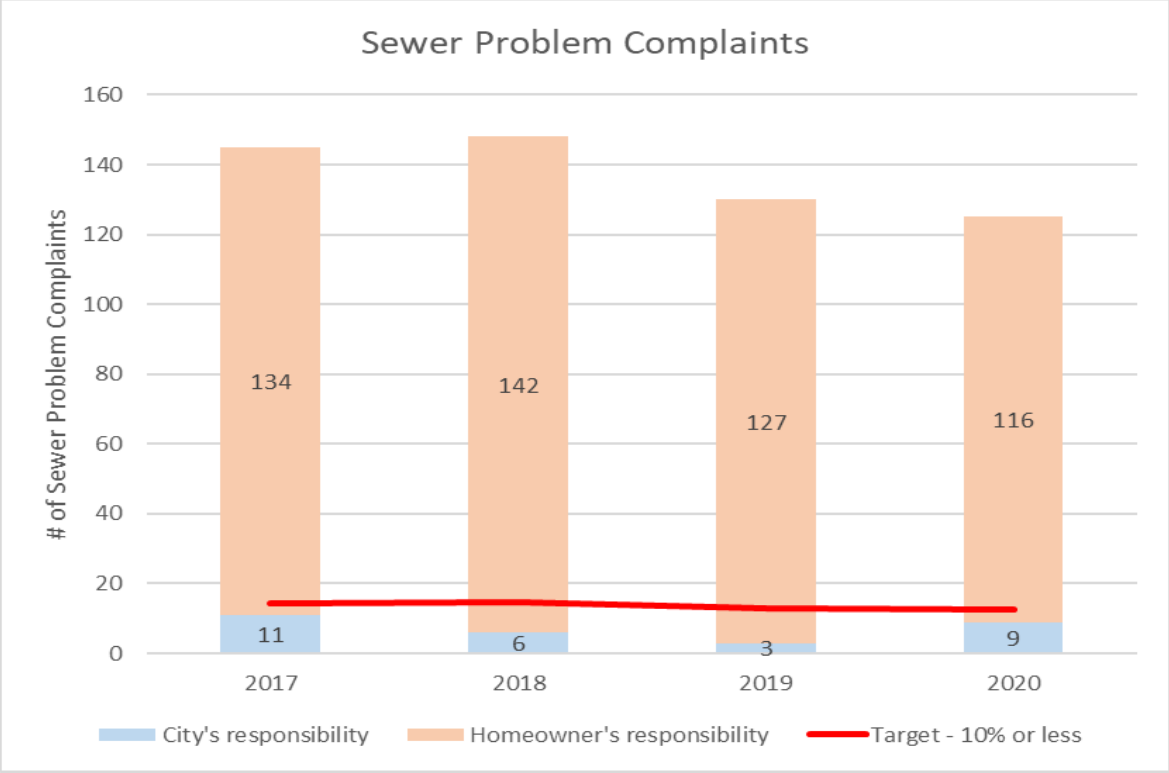
Continued outreach to the public through the distribution of fliers in the water and sewer bills helps to alert residents of the hazards of storm water pollution and how they can prevent it. Educational materials were also provided during field trips and tours given at the WPCC.

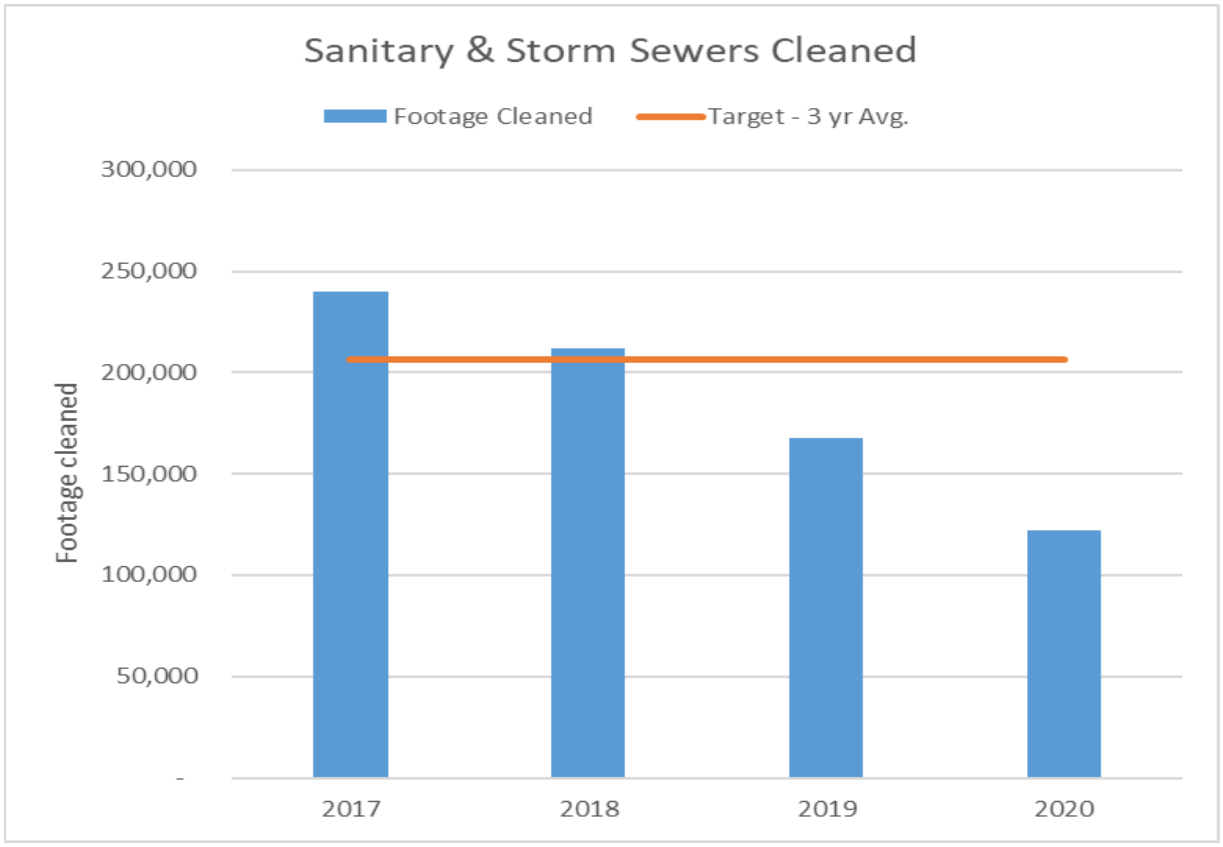
STORMWATER MAINTENANCE COST OF OPERATION

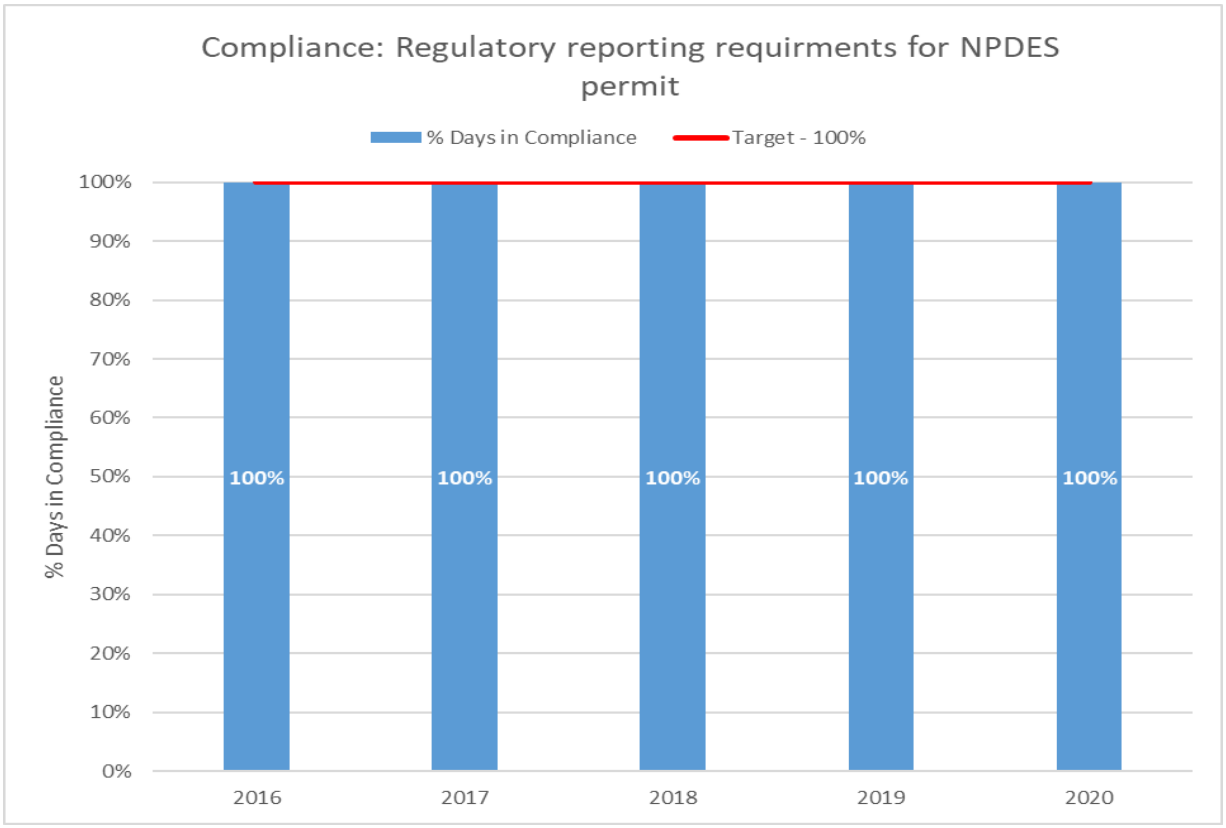
	2020	2019
PAYROLL & BENEFITS	$160,826	$153,130
WATER LINE, SEWER LINE, & CATCH BASIN MAINTENANCE	$12,786	$17,636
VEHICLE & EQUIPMENT MAINTENANCE	$5,642	$44,157
STREET SWEEPING	$24,450	$28,070
MISCELLANEOUS	$3,324	$5,173
CAPITAL EQUIPMENT	$0	$0
TOTAL	**$207,028**	**$248,167**

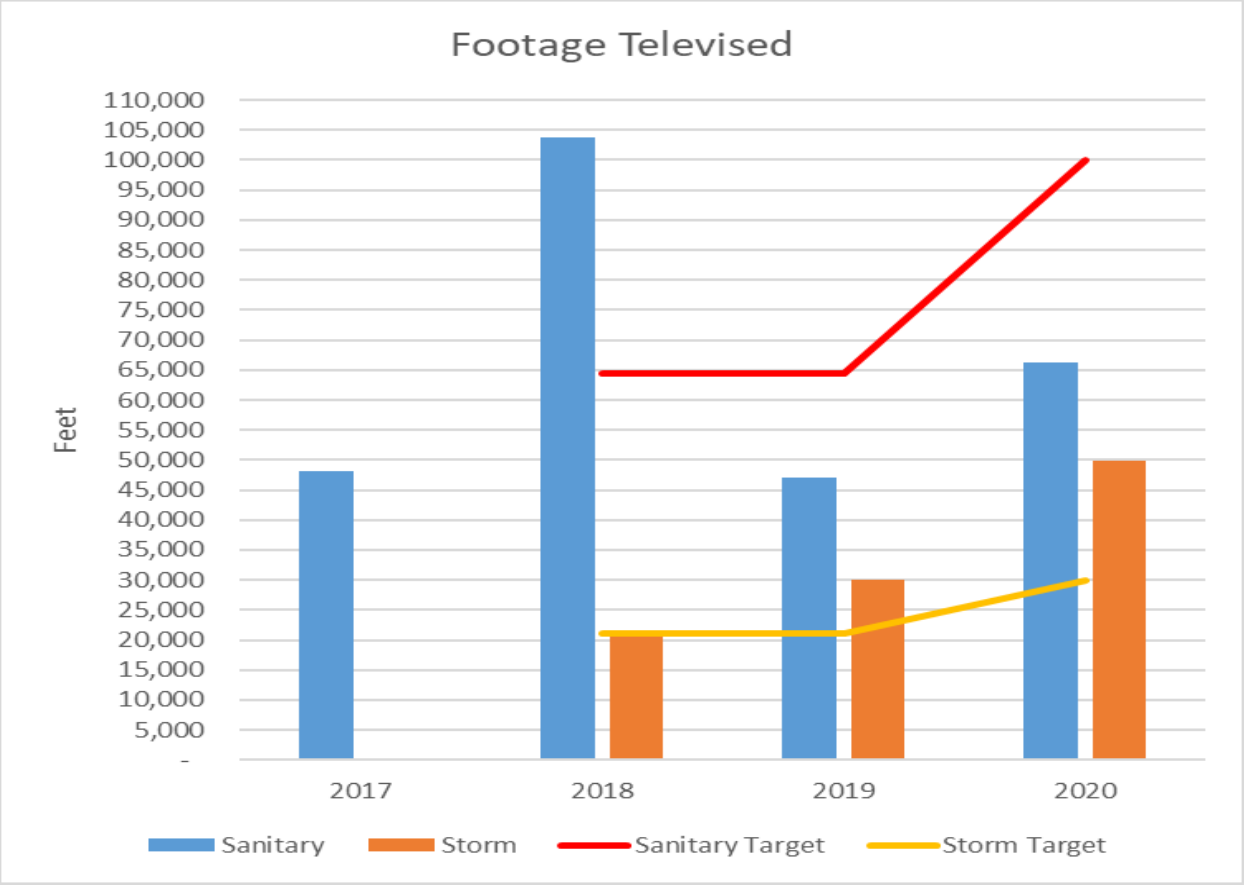
Key Performance Indicators (KPIs)






Sanitary & Storm Sewers Cleaned
Footage Cleaned
Target - 3 yr Avg.
Footage cleaned
300,000
250,000
200,000
150,000
100,000
50,000
-
2017
2018
2019
2020


Compliance: Regulatory reporting requirments for NPDES permit
% Days in Compliance
Target - 100%
% Days in Compliance
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
100%
100%
100%
100%
100%
2016
2017
2018
2019
2020



More details on Key Performance Indicators can be found at: www.findlayohio.com/performance