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CITY OF FINDLAY

2022 ANNUAL REPORT

WATER POLLUTION CONTROL CENTER

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Introduction

The annual report of operations of the Water Pollution Control Center for the year ending December 31, 2022 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 2022.

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
- Levi Bishop
- Joel Borer
- Seth Cole
- James Fox
- Dave Frantz
- Joshua Gearing
- Gary Hayden
- Austen Hendren
- Savannah Kline
- Tom Moses
- Werner Roesch
- Seth Rosselit
- Caleb Swope
- Jason Wolfarth

Sewer Maintenance Employees:

- Jordan Barton
- Wesley Breitigam
- Bob Courtney
- Chase Glick
- Dan Gonzalez
- Colten Kidd
- Chris Kolhoff
- Devin Miller
- 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	Seth Rosselit	Class 3
Jason Wolfarth	Class 4	Werner Roesch	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 2022, the City of Findlay WPCC completed its eighty-eighth year of operation by treating 3.6 billion gallons of sewage, which was 488 million gallons less than 2021. The average daily total for sewage treated was 10.048 million gallons per day which is a slight decrease from 2021's daily average of 11.338 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 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. 1885.85 dry tons of biosolids were treated and disposed of at the Hancock County Landfill in 2021.

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

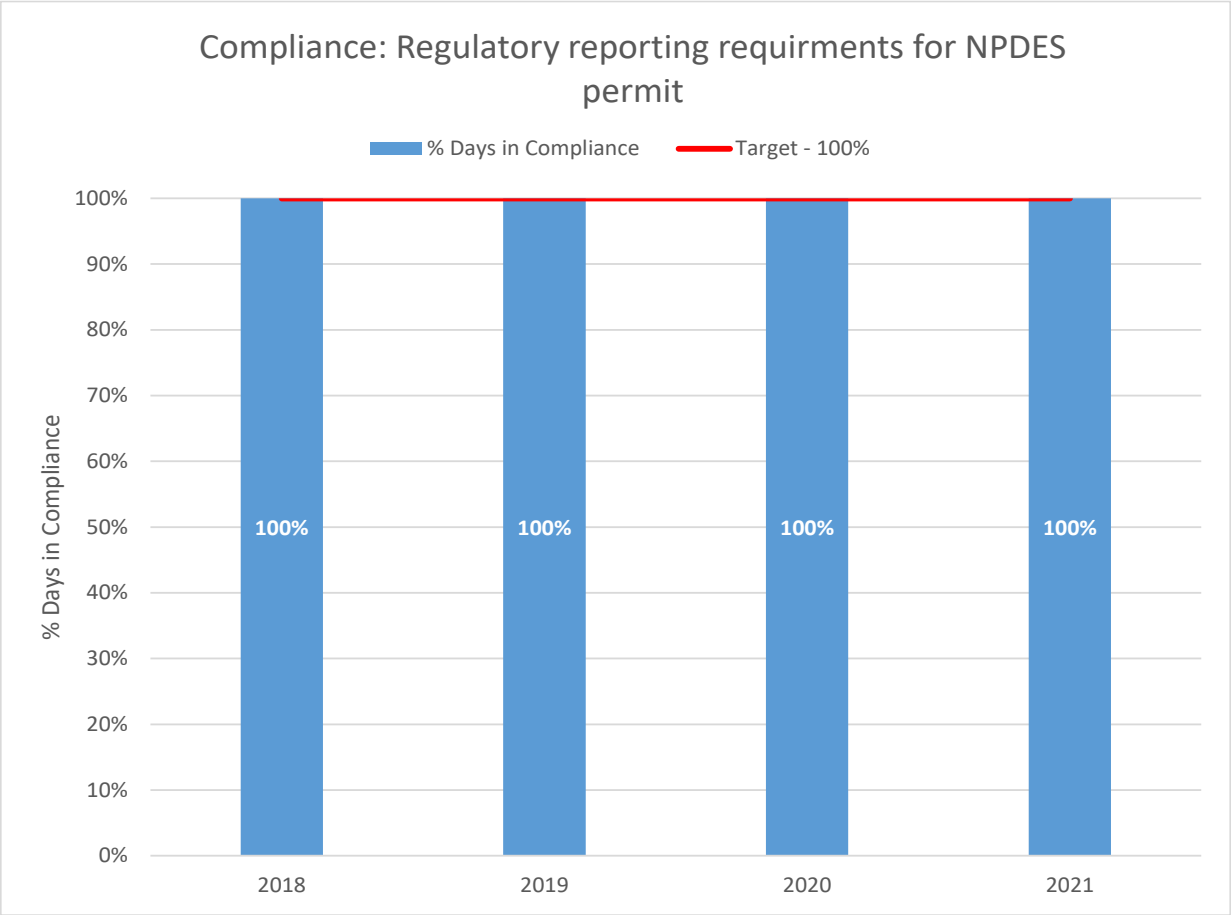
Key Accomplishment

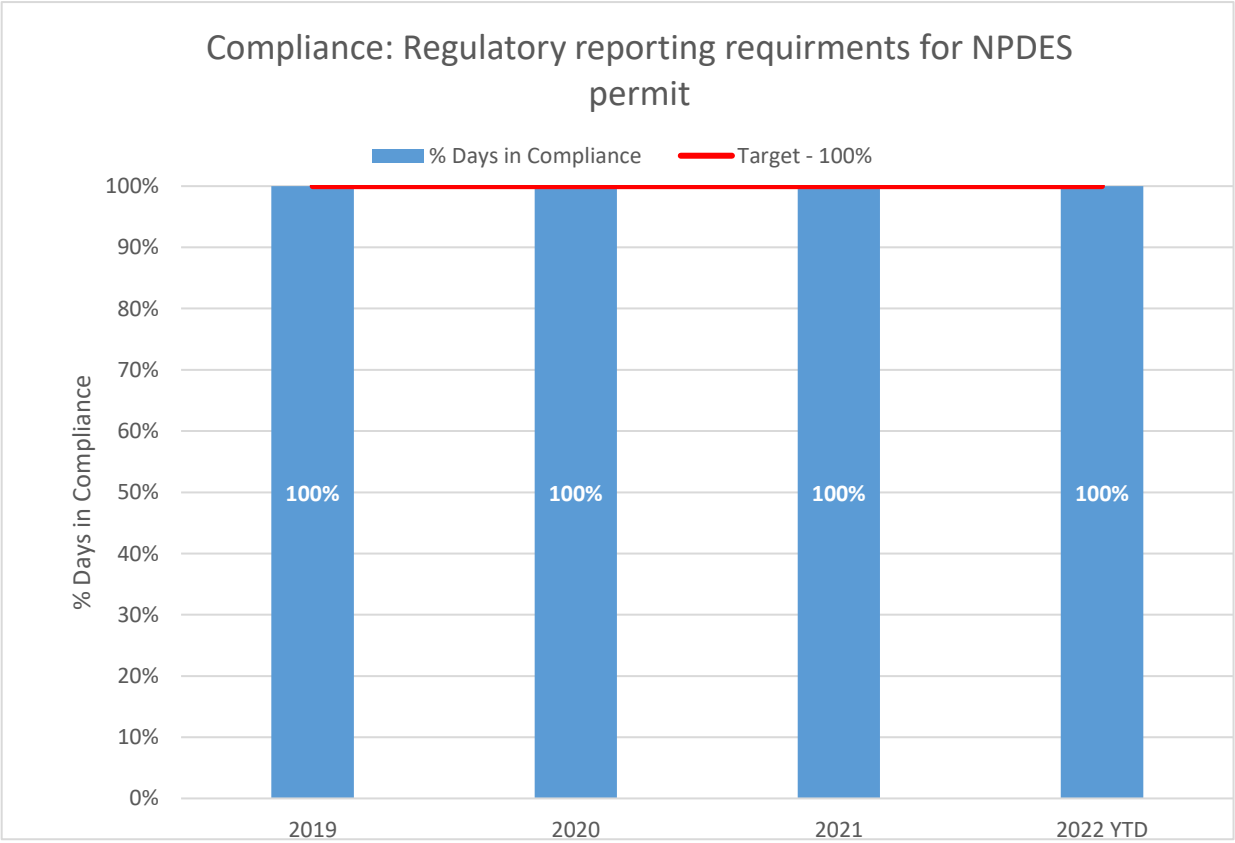
- Clarifiers No. 3, 4 & 5 Rehab
- Admin Truck Bay & Plant Maintenance Roof Replacement
- Worked with OEPA & City Engineering to install a new outlet for Spring Lake Subdivision

Objectives for the Next Year

In looking ahead to next year, we continue to focus on meeting our key processes while working towards the 2023 objectives of:

- Oxidation Ditch Concrete Repair
- Annual sewer & manhole lining
- Work with Consultant for the amendment of CSO LTCP
- Continue to work with OEPA on Spring Lake Subdivision


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%
2018
2019
2020
2021


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%
2019
2020
2021
2022 YTD

Budget Summary Sheet

CITY OF FINDLAY

Divisions: *Water Pollution Control*
Sewer Maintenance
Storm Water

WATER POLLUTION CONTROL

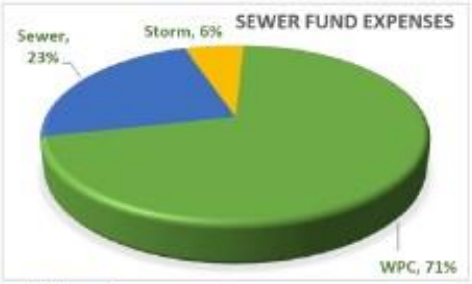
Superintendent Dave Beach

FINANCIAL VISION

BUDGET		2020 ACTUAL	2021 ACTUAL	2022 ORIG BUD	2022 PROJECTION	2023 REQUEST	$ change 2023/2022 BUDGET	% change 2023/2022 BUDGET
WPC	Personal Services	$ 1,330,409	$ 1,371,430	$ 1,514,818	$ 1,509,658	$ 1,643,264	$ 128,446	8.48%
	Other	$ 821,200	$ 1,584,385	$ 1,910,177	$ 1,094,157	$ 1,995,878	$ 85,701	4.49%
Sewer Maintenance	Personal Services	$ 802,353	$ 824,425	$ 896,867	$ 842,263	$ 952,018	$ 55,151	6.15%
	Other	$ 145,438	$ 122,416	$ 220,255	$ 304,000	$ 257,692	$ 37,437	17.00%
Storm Water	Personal Services	$ 159,425	$ 160,247	$ 170,589	$ 169,275	$ 182,674	$ 12,085	7.08%
	Other	$ 45,902	$ 538,439	$ 103,350	$ 105,200	$ 126,050	$ 22,700	21.96%
TOTAL		$ 3,304,727	$ 4,601,341	$ 4,816,056	$ 4,024,553	$ 5,157,576	$ 341,520	7.09%

BUDGET HIGHLIGHTS

- Operation Chemical increase 2023.
- Increase cost for repairs and maintenance of equipment. Pump Station RTUs service.
- Manhole castings, pipe, and fittings cost increase.
- Fuel object code 321401 added to Storm Water budget.
- Wage increase of 3%, 3% wage adjustment.



STAFFING	2019	2020	2021	2022	2023
WPC	16	16	16	16	16
Sewer Maintenance	10	10	10	10	10
Storm Water	2	2	2	2	2

OPERATIONS AND SERVICES

2022 CAPITAL IMPROVEMENT HIGHLIGHTS

- Continued on the Annual Sewer & Manhole Lining Program
- Continued on the Annual Sewer Televising
- Worked with Engineering to Develop and implement construction plans for Cherry Street and W. Lincoln Street.
- Contracted with a Design Builder to develop plans for the rehab of Clarifiers No. 3, 4, & 5 as well as the repair of concrete sections on the Oxidation Ditches.

2022 ACHIEVEMENTS

- Worked with OEPA to install a new outlet for the Spring Lake Subdivision.
- Completed the rehab of Clarifiers No. 3, 4, & 5.
- Replaced a collapsed culvert on Broad Ave.
- Replaced a sanitary sewer on Monroe.
- Installed a new storm sewer on Cherry St. (CSO removed)
- Televised the sewers on the north end of the City.
- Admin truck bay & plant maintenance roof replacement

2023 OBJECTIVES

- Continue to work with the OEPA on the Spring Lake Subdivision.
- Oxidation Ditch Concrete Repair
- Annual Sewer & Manhole Lining Program
- Annual Sewer Televising
- Work with consultant for the amendment of the CSO LTCP.
- Remove a combined sewer on W. Lincoln Street
- Develop and implement plans for a new storm system on Washington Avenue.

2022
ANNUAL SUMMARY OF OPERATIONS

MONTH	FLOW (MILLION GALLONS)		
	TOTAL	*AVG/DAY*	*PEAK*
JANUARY	269.812	8.704	14.485
FEBRUARY	403.433	14.408	32.116
MARCH	379.822	12.252	26.317
APRIL	300.046	10.002	15.328
MAY	505.979	16.322	44.912
JUNE	328.064	10.935	22.359
JULY	334.184	10.780	18.951
AUGUST	269.170	8.683	16.107
SEPTEMBER	267.639	8.921	12.266
OCTOBER	205.216	6.620	10.544
NOVEMBER	193.899	6.463	12.204
DECEMBER	201.231	6.491	12.008
2022 TOTAL	**3,658.495**		
2022 AVERAGE	**304.875**	**10.048**	**19.800**
2021 TOTAL	4,147.269		
2021 AVERAGE	345.606	11.338	27.876
2020 TOTAL	4,453.605		
2020 AVERAGE	371.134	12.152	24.060

2022
ANNUAL SUMMARY OF OPERATIONS

MONTH	SUSPENDED SOLIDS MG/L		5-DAY CBOD MG/L		AMMONIA MG/L	
	RAW	*FINAL*	*RAW*	*FINAL*	*RAW*	*FINAL*
JANUARY	142	8.10	116	3.62	14.2	0.006
FEBRUARY	141	12.05	96	15.55	10.2	0.055
MARCH	155	4.83	96	3.96	10.2	0.014
APRIL	149	3.05	111	3.10	13.4	0.016
MAY	143	4.91	88	2.50	9.7	0.009
JUNE	176	2.23	118	2.68	14.5	0.052
JULY	181	2.24	123	3.10	15.2	0.010
AUGUST	186	2.70	124	2.39	16.4	0.023
SEPTEMBER	183	4.27	135	1.82	19.0	0.017
OCTOBER	207	4.95	149	2.24	23.4	0.012
NOVEMBER	225	5.36	146	3.82	21.5	0.041
DECEMBER	185	7.59	162	5.64	21.0	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
2022 AVERAGE	**173**	**5.19**	**122**	**4.20**	**15.7**	**0.022**
2021 AVERAGE	147	2.29	115	2.84	14.6	0.013
2020 AVERAGE	137	3.69	104	4.11	14.1	0.025

2022
ANNUAL SUMMARY OF OPERATIONS

MONTH	TOTAL PHOSPHORUS MG/L		COD MG/L	E. COLI #/100ML
	RAW	*FINAL*	*FINAL*	*FINAL*
JANUARY	3.3	0.68	86	
FEBRUARY	2.7	0.55	36	
MARCH	2.8	0.57	17	
APRIL	3.3	0.77	11	
MAY	2.7	0.62	8	4
JUNE	3.7	0.82	20	10
JULY	3.9	0.78	16	5
AUGUST	4.1	0.74	11	9
SEPTEMBER	4.3	0.94	13	10
OCTOBER	5.2	0.90	19	21
NOVEMBER	5.4	0.80	22	
DECEMBER	4.5	0.83	17	
NPDES LIMIT	***N/A***	***1***	***N/A***	***126/100ML***
2022 AVERAGE	3.83	0.75	23.00	9.83
2021 AVERAGE	3.31	0.74	15.00	4.17
2020 AVERAGE	3.19	0.72	21.75	10.33

2022
ANNUAL SUMMARY OF OPERATIONS

MONTH	DISSOLVED OXYGEN (PPM)		
	FINAL EFFLUENT	*BLANCHARD RIVER ABOVE*	*BLANCHARD RIVER BELOW*
JANUARY	9.4	11.4	11.1
FEBRUARY	9.5	12.8	12.6
MARCH	9.3	11.0	10.7
APRIL	8.9	10.0	9.7
MAY	8.2	8.7	9.0
JUNE	7.6	8.1	7.5
JULY	7.3	4.8	6.2
AUGUST	7.4	7.9	7.5
SEPTEMBER	7.6	7.0	7.1
OCTOBER	8.1	9.0	8.2
NOVEMBER	8.4	7.3	6.5
DECEMBER	9.2	12.9	11.7
NPDES PERMIT (SUMMER) 5/01-10/31	6.7		
NPDES PERMIT (WINTER) 11/01-4/30	5.3		
2022 AVERAGE	8.4	9.2	9.0
2021 AVERAGE	8.3	8.6	8.3
2020 AVERAGE	8.4	9.3	9.1

2022

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	7,356,586	4,612,100	2,744,486	159.98	0.83	15.10
FEBRUARY	7,089,673	4,494,900	2,594,773	168.64	0.90	14.90
MARCH	8,545,923	4,986,500	3,559,423	200.42	0.98	16.50
APRIL	7,283,484	4,700,700	2,582,784	158.66	0.81	15.50
MAY	7,653,657	5,059,300	2,594,357	193.45	0.89	16.20
JUNE	7,956,352	4,376,800	3,579,552	160.67	0.94	16.30
JULY	7,466,095	3,808,500	3,657,595	136.35	0.88	15.70
AUGUST	7,151,258	3,883,800	3,267,458	134.93	0.86	15.40
SEPTEMBER	6,355,802	3,137,000	3,218,802	130.42	1.00	14.80
OCTOBER	6,788,177	3,699,900	3,088,277	140.07	0.90	14.20
NOVEMBER	8,225,053	4,815,000	3,410,053	158.09	0.79	13.90
DECEMBER	7,459,137	4,656,800	2,802,337	144.17	0.77	13.70
TOTAL	89,331,197	52,231,300	37,099,897	1,885.85		
AVERAGE	7,444,266	4,352,608	3,091,658	157.15	0.88	15.18

2022

SOLIDS PROCESSING

ANNUAL REPORT

MONTH	OPERATING HOURS				TOTAL OPERATING
	1	2	3	4	HOURS
JANUARY	114.75		110.25	105.25	330.25
FEBRUARY	112.50		107.00	101.75	321.25
MARCH	135.50		93.00	125.75	354.25
APRIL	148.75		45.00	138.75	332.50
MAY	129.00		119.75	117.25	366.00
JUNE	106.25		109.25	103.75	319.25
JULY	97.25		94.00	88.50	279.75
AUGUST	102.75		98.75	93.25	294.75
SEPTEMBER	89.50		85.25	80.75	255.50
OCTOBER	100.50		96.25	90.75	287.50
NOVEMBER	127.50		124.50	116.50	368.50
DECEMBER	123.25		118.25	110.50	352.00
TOTAL	1,387.50		1,201.25	1,272.75	3,861.50
AVERAGE	114.10		100.43	92.08	321.79

2022

SOLIDS PROCESSING

ANNUAL REPORT

MONTH	AVERAGE COST $/TON	POLYMER COST TOTAL,$	POLYMER USAGE GALLONS	AVERAGE SOLIDS CAPTURE, %
JANUARY	21.89	3,514.58	254.68	0.99
FEBRUARY	21.62	3,636.99	263.55	0.99
MARCH	21.60	4,257.58	308.52	0.99
APRIL	22.04	3,657.00	265.00	0.99
MAY	20.56	3,882.35	281.33	0.99
JUNE	23.69	3,801.90	275.50	0.99
JULY	23.90	3,242.45	234.96	0.99
AUGUST	24.61	3,287.30	238.21	0.99
SEPTEMBER	22.69	2,941.47	213.15	0.99
OCTOBER	21.63	3,022.20	219.00	0.99
NOVEMBER	22.25	3,527.69	255.63	0.99
DECEMBER	22.72	3,278.33	237.56	0.99
TOTAL		42,049.84	3,047.09	
AVERAGE	22.43			0.99

Polymer cost/gal *$13.80*

2021-2022
COMPARISON OF OPERATIONS

REMOVAL OF SUSPENDED SOLIDS	
2021 *RAW TO FINAL*	*2022* *RAW TO FINAL*
98.44%	97.32%

REMOVAL OF 5-DAY C.B.O.D.	
(Carbonaceous Biochemical Oxygen Demand)	
2021 *RAW TO FINAL*	*2022* *RAW TO FINAL*
97.53%	96.34%

REMOVAL OF AMMONIA	
2021 *RAW TO FINAL*	*2022* *RAW TO FINAL*
99.91%	99.93%

REMOVAL OF TOTAL PHOSPHORUS	
2021 *RAW TO FINAL*	*2022* *RAW TO FINAL*
77.64%	80.42%

COST OF OPERATION		
	2022	*2021*
PAYROLL & BENEFITS	$1,500,962	$1,381,826
UTILITIES (electric, water & sewage)	$467,556	$477,281
CHEMICALS	$84,132	$69,149
EQUIPMENT MAINTENANCE	$123,957	$155,173
MISCELLANEOUS	$200,639	$205,374
CAPITAL EQUIPMENT	$0	$1,210
OPERATING COST TRANSFER	$802,732	$676,197
TOTAL	**$3,179,980**	**$2,966,210**
COST PER MILLION GALLONS	$766.76	$715.22

2021-2022 TEMPERATURE AND PRECIPITATION DATA

MONTH	AVERAGE TEMPERATURE (DEGREES)				PRECIPITATION (INCHES)			
	2021		2022		RAINFALL		ANNUAL SNOWFALL	
	MAX	MIN	MAX	MIN	2021	2022	2021	2022
JANUARY	46	13	55	-5	1.82	0.81	1.8	3.7
FEBRUARY	59	-2	59	7	2.38	2.98	20.8	3
MARCH	71	17	73	15	1.82	2.68	T	0.4
APRIL	83	21	69	24	3.04	2.05	3.4	0.8
MAY	89	32	90	40	3.19	5.01		
JUNE	92	51	96	49	3.36	2.64		
JULY	91	54	93	57	6.40	4.27		
AUGUST	91	54	92	53	3.07	2.98		
SEPTEMBER	90	47	85	39	3.12	2.68		
OCTOBER	84	35	77	32	3.85	0.28		0.28
NOVEMBER	69	21	75	14	0.90	1.36	0.8	1.4
DECEMBER	63	18	58	-8	3.66	1.20	3.7	0.4
TOTAL					**36.61**	**28.94**	**30.5**	**9.98**
AVERAGE	**77.3**	**30.1**	**76.8**	**26.4**				
YEARLY AVERAGE	**53.7**		**51.6**					
HISTORICAL AVERAGE	50.5				36.09		26.4	

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 20,000 customers and is estimated to consist of 306 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 92 reports of sewer problems were investigated in the year 2022. About 6% of the reports were due to a problem within the City's sewer system while the remaining 94% were determined to be in the homeowner's sewer.

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 2022, a total of 34 miles of sanitary sewer were cleaned by a high-pressure water sewer cleaner and vacuum truck called the sanitary vactor. This cleaning removed 52 cubic feet of debris from the City's sanitary system.

Vactor

Additional preventative efforts included the treatment of 955 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, 6 sanitary sewer pipes and 18 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 2022, there were 8,179 requests for sewer locates.

In 2022, 56,415 feet of sanitary sewer and 56,434 feet of storm sewer were televised and assigned a rating based on their condition.

2022
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	SANI.	STORM
JANUARY	0	0	1,395	0	0	0	16	101	0	0	0	0	0	14	1	383	0	0	0
FEBRUARY	0	0	2,203	0	0	0	8	101	0	0	0	0	0	10	0	2,669	0	0	0
MARCH	0	0	25,550	2	587	0	107	1,414	0	5	15	0	2	6	0	6,379	9,689	1	3
APRIL	0	0	16,060	0	0	0	255	2,255	0	5	48	0	0	8	1	1,644	1,836	0	2
MAY	0	0	14,660	2	300	0	79	707	0	4	16	0	8	18	0	2,618	4,900	0	6
JUNE	0	0	16,600	0	5,673	2	83	909	0	3	11	0	3	4	1	9,582	7,422	2	1
JULY	0	0	22,470	2	620	0	50	606	0	3	26	0	2	1	0	2,800	6,717	0	2
AUGUST	0	0	19,050	1	1,070	0	6	0	0	5	63	3	5	4	0	7,734	5,496	0	0
SEPTEMBER	0	0	21,850	30	1,015	0	0	0	0	0	64	1	7	3	1	4,708	7,177	1	0
OCTOBER	0	0	14,580	6	2,649	4	114	1,313	0	8	18	0	0	8	1	4,742	5,945	0	0
NOVEMBER	0	0	15,725	7	1,518	1	33	303	0	1	10	0	1	8	0	4,228	6,952	2	3
DECEMBER	0	0	9,805	2	0	0	122	1,111	0	0	16	1	0	8	1	8,928	300	0	1
TOTAL	0	0	179,948	52	13,432	7	873	8,820	0	34	287	5	28	92	6	56,415	56,434	6	18
2021 TOTA	0	0	147,847	96	2,616	2	2,351	20,099	0	20	209	6	32	118	16	102,651	16,522	13	23

SEWER MAINTENANCE
COST OF OPERATION

	2022	2021
PAYROLL & BENEFITS	$843,681	$830,043
UTILITIES (electric, water & sewage)	$12,700	$13,547
WATER & SEWER LINE MAINTENANCE	$26,530	$0
VEHICLE & EQUIPMENT MAINTENANCE	$18,050	$28,456
FUEL	$37,528	$30,294
MISCELLANEOUS	$46,773	$0
CAPITAL EQUIPMENT	$51,059	$50,109
TOTAL	**$1,036,320**	**$952,449**

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, 873 catch basins along with 9,249 feet of storm sewer were cleaned. These efforts removed 43 cubic feet of debris from the stormwater collection system. A total of 287 catch basins were patched.

In an effort to decrease stormwater pollution, the Public Works department removed 816 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

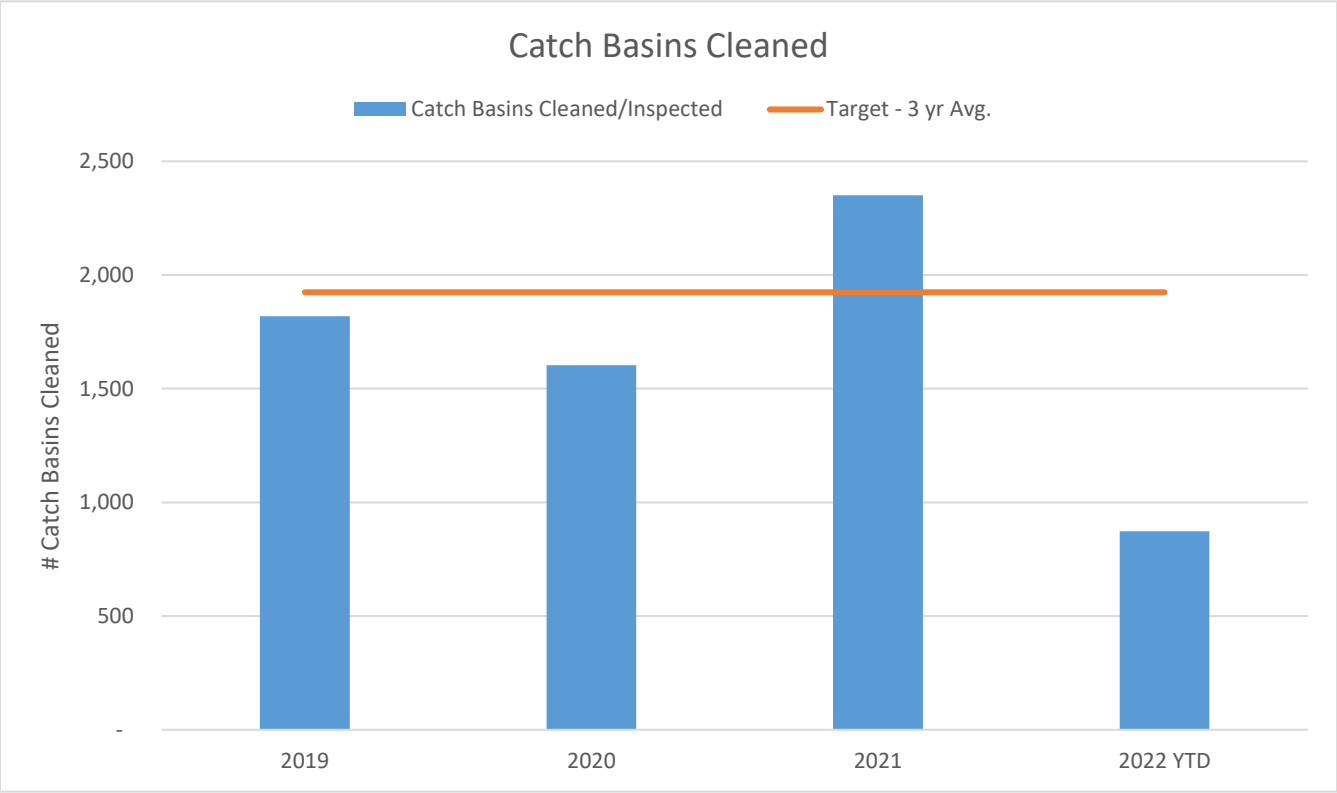
Each of these controls have BMPs (Best Management Practices) or activities which have measurable goals. Each of these goals have an implementation schedule to track the progress of the activities that are being achieved.

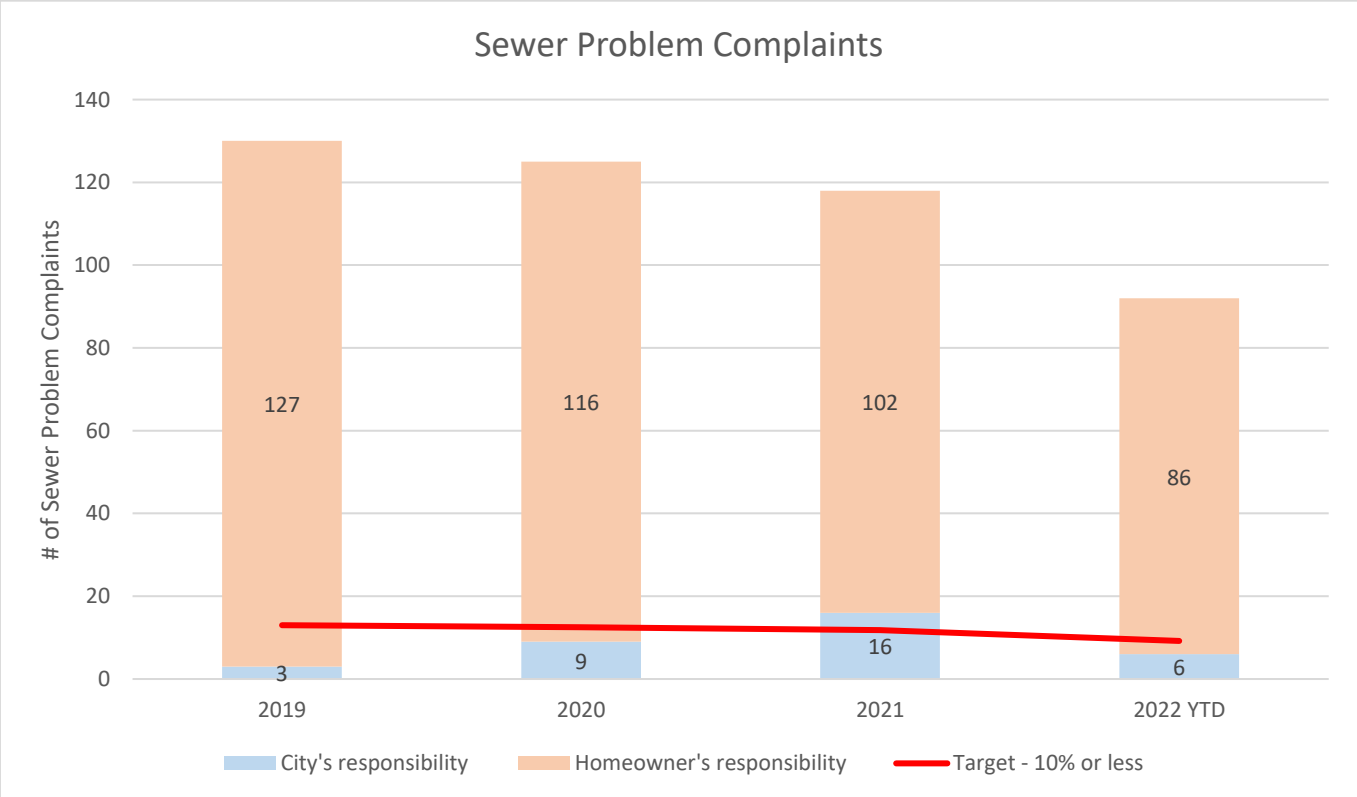
All City departments submitted their of Municipal Operations Pollution Prevention/Good Housekeeping reports which require each city department to complete quarterly non-stormwater inspections during dry weather, semi-annual stormwater inspections during rain events, and an annual site inspection report 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.

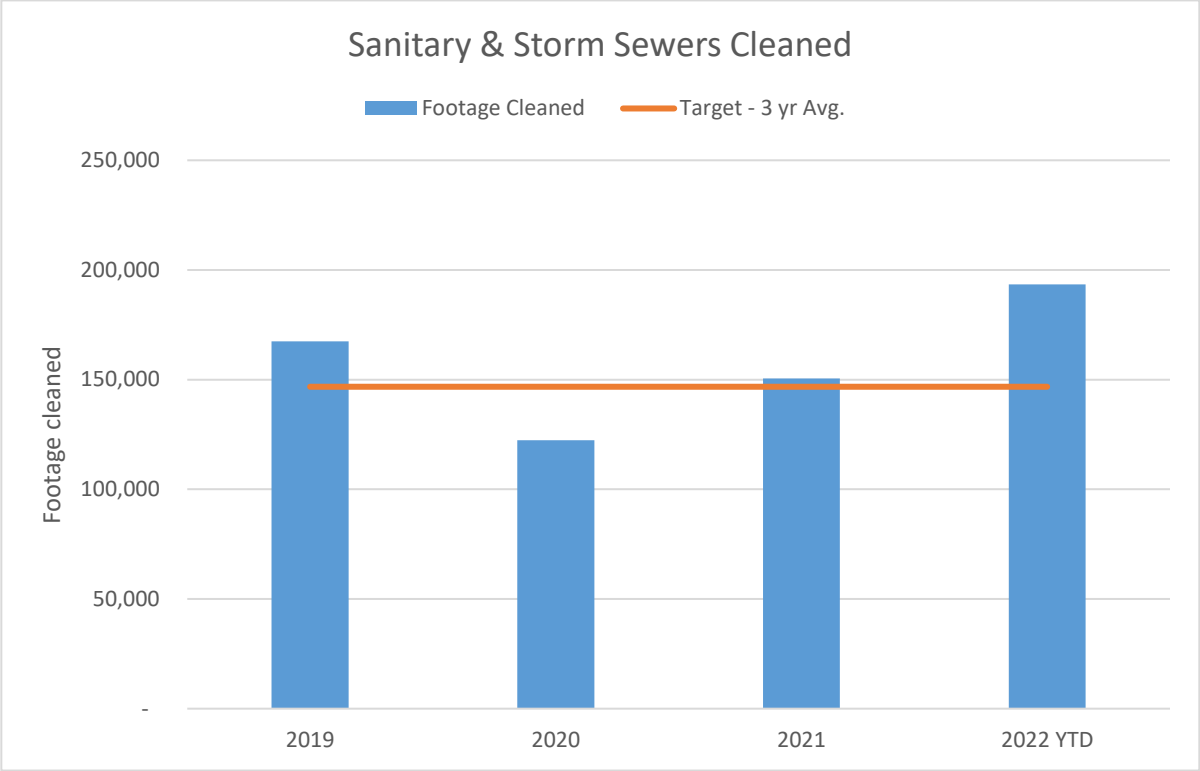
Continued outreach to the public through the distribution of fliers in the water and sewer bills helps to alert residents of the hazards of storm water pollution and how they can prevent it. Educational materials were also provided during field trips and tours given at the WPCC.

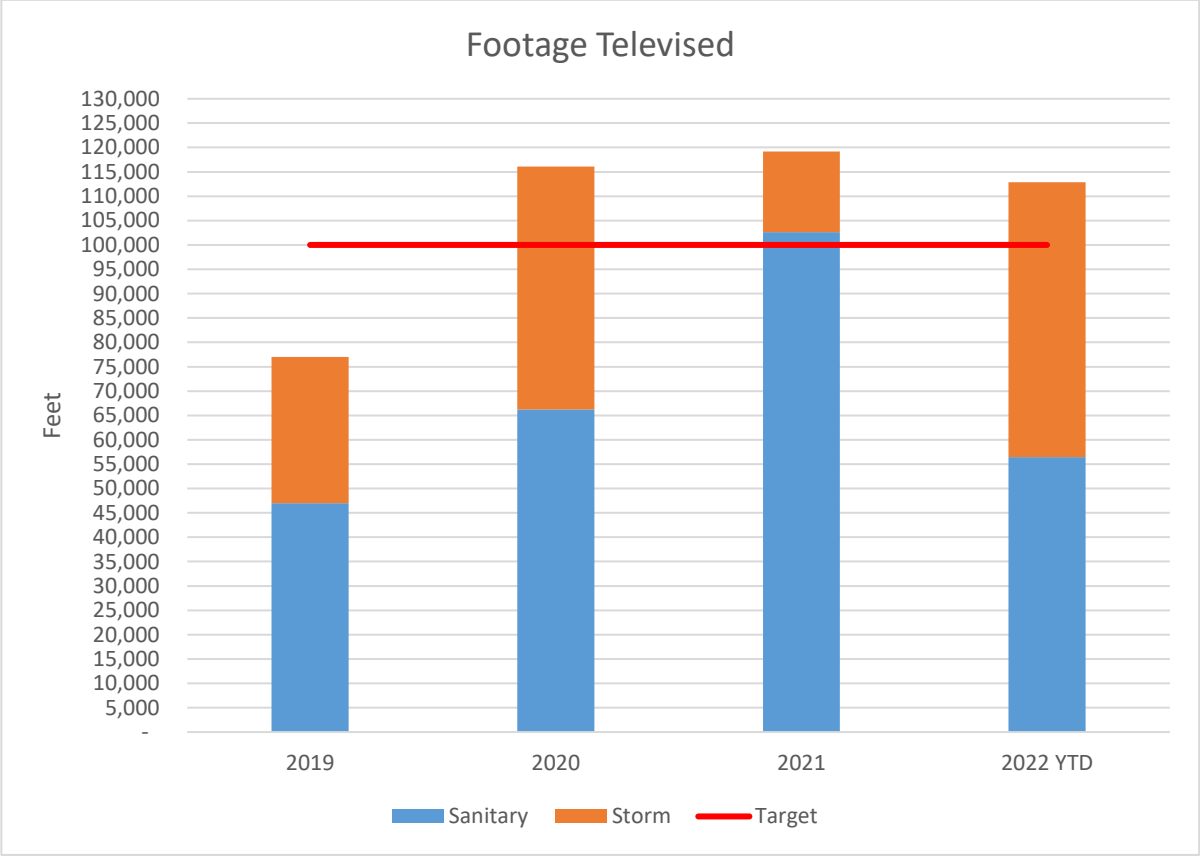
STORMWATER MAINTENANCE COST OF OPERATION		
	2022	**2021**
PAYROLL & BENEFITS	$168,756	$161,567
WATER LINE, SEWER LINE, & CATCH BASIN MAINTENANCE	$14,218	$17,409
VEHICLE & EQUIPMENT MAINTENANCE	$6,403	$2,043
STREET SWEEPING	$4,050	$38,638
MISCELLANEOUS	$44,988	$2,130
CAPITAL EQUIPMENT	$4,824	$478,209
TOTAL	**$243,240**	**$699,997**

Key Performance Indicators (KPIs)









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