CITY OF FINDLAY

WATER POLLUTION CONTROL CENTER

2010 ANNUAL REPORT

City of Findlay

Pete Sehnert, Mayor

WATER POLLUTION CONTROL CENTER
Randy Greeno, Superintendent
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March 4, 2011

Jim Barker
Safety Director
Bruce Hardy
Service Director

Mr. Bruce W. Hardy
Service Director
City of Findlay, Ohio

Dear Bruce,

The annual report of operations of the Water Pollution Control Center for the year ending December 31, 2010 is respectfully submitted here in. The year 2010 saw the retirement of Terry Boren, Randy Reeg and Randy Greeno. Terry Boren was an Assistant Operator with the WPC and Randy Reeg was the sewer locator for the Sewer Maintenance Department. Both employees had thirty years of service. Both employees had exemplary work ethics and will be hard to replace. I personally want to thank them from their years of service at the WPC. I wish to acknowledge the cooperation within the department and the initiative exhibited by the 16 Water Pollution Control and 13 Sewer Maintenance employees in their outstanding operation and maintenance of the wastewater system throughout the year 2010.

Sincerely,

Randy L. Greeno

Randy L. Greeno
Superintendent

The following is a list of all the employees that make the Water Pollution Control Center (WPCC) function at such a high level of professionalism:

Raul Amesquita
Dave Beach
Terry Cole
Dana Cramer
George Elston
Joshua Gearing
Terry Grohoske
Dave Holman
Marge Mize
Doug Reed
Mark Routzon
Jared Sines
Mike Stillberger
Todd Ward
Steve Watkins
Joe Arras
Seth Cole
Bob Courtney
Brad Ehrnschwender
Dave Frantz
Dan Gonzalez
Gary Hayden
Chris Kolhoff
Tom Moses
Werner Roesch
Jason Sims
Mark Stears
Brent Vaughan
Jason Wolfarth

2010
WATER POLLUTION CONTROL CENTER
ANNUAL REPORT

The Water Pollution Control Center is comprised of two units, Water Pollution Control and Sewer Maintenance. Each unit is independently operated with separate budgets under the direction of the Superintendent of the Water Pollution Control Center (WPCC).

In the year 2010 the City of Findlay WPCC completed its seventy-eighth year of operation. I am pleased to announce that there were only two violations of the city's NPDES permit during the year.

The Water Pollution Control Center treated 3.47 billion gallons of sewage in 2010 which was down from 2009's total of 3.66 billion gallons. The daily total for sewage treated was 9.495 million gallons per day in 2010 down from 2009's daily average of 10.074 million gallons per day.

A major improvement project was started in late fall of 2010 at the WPC with the addition of six new grinder pumps which will replace the existing channel grinder and the current six influent pumps. The pumps are expected to arrive on site in early 2011. Also there was another projected started in late fall to replace four failed sluice gates at the Bright Road Pump Station and the Influent Pump Station with new stainless steel gates. This work is scheduled to be completed in early 2011.

The City of Findlay continued to work on the Long Term Control Plan for Combined Sewer Overflows and reducing the frequency of these overflows. The long term goal is to close down as many CSO discharge points as possible and the Sewer Maintenance Department has temporary closed down two points in the City. These discharge points have shown no activity of overflowing in the last several years. These points will be monitored during the rainy spring season and if there is no activity they will be permanently closed. The sewer lining program

continues to move forward, with the lining of 6,070 feet of sewer in 2010. Chemical root treatment was conducted on 3,775 feet of sewer during 2010. The Public Works department removed 506.69 tons of debris from the streets in 2010, thus preventing this pollution from entering into the storm sewer system and then into the receiving streams.

The WPC partnered with City of Findlay Health Department, Hancock County Board of Alcohol, Drug Addiction and Mental Health Services, The University of Findlay, Findlay Police Department and Rader Environment Services for two prescription drug collection days. These days allowed the citizens of Findlay and Hancock County to dispose of their unwanted prescription drugs properly instead of flushing them down their toilets. Both collections were highly successful in collecting and disposing of 822,957 units. With this continued success plans have been set forth for two more collections in 2011.

In 2010 the City of Findlay continued to work on its Storm Water Management Plan. This 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 must have BMPs (Best Management Practices) or activities which have measurable goals. Each of these goals must have an implementation schedule to track the progress of the activities that are being achieved. Two of the most noticeable activities for 2010 were the distribution of storm water pollution fliers in the water and sewer bills and the continued growth of the SWAC (Storm Water Advisory Committee) which will assist the City in policy changes needed for the implementation of the Storm Water Management Plan. The SWAC met on a quarterly basis in 2010 to discuss various items related to Storm Water management.

The WPCC staff continues to present storm water programs and tours for school age kids. These programs focused on pollution prevention and ways that we can keep our storm water system cleaner and how kids can help around their houses to achieve this goal.

Citizen volunteer groups, University of Findlay students and members of the Blanchard River Watershed Partnership performed several river clean-ups throughout 2010. The clean-ups were highly successful with the volunteers removing 123 car and trucks tires along with miscellaneous items which weighed in at over 2 tons. These clean-ups were conducted in a stretch of the river just west of the old Liberty street dam to west of I-75.

Laboratory testing, to assure compliance with the NPDES permit limits, is performed at the WPCC and several outside laboratories. Two full-time laboratory technicians are required to monitor the specified parameters. It should be noted that the WPCC laboratory received an acceptable rating on all parameters that were tested for pertaining to the annual DMR-QA (Discharge Monitoring Report & Quality Assurance) study. This study involves purchasing samples with unknown values and running the tests through our lab. The results are then sent back to the company for evaluation and the evaluation is then forwarded to the USEPA.

The WPCC is well staffed with the following 15 employees, licensed by the Ohio Environmental Protection Agency;

Waste Water Operator Licenses:

Randy Greeno	Class 4	Dave Beach	Class 3
Terry Cole	Class 3	David Frantz	Class 3
Mark Stears	Class 3	Raul Amesquita	Class 3
Jason Wolfarth	Class 3	Seth Cole	Class 3
Werner Roesch	Class 2	Josh Gearing	Class 1
Jason Sims	Class 1		

Waste Water Collection Licenses:

Robert Courtney	Class 1	Chris Kolhoff	Class 1
Mark Routzon	Class 1	Mike Stillberger	Class 1

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 WPC is conditioned on four belt filter presses located in the Solids Processing Building. 1618.75 dry tons of biosolids were treated and disposed of at the Hancock County Landfill in 2010. This averaged 11.5 dry tons per day of operation of the belt filter presses.

The Water Pollution Control Center has an approved Ohio Environmental Protection Agency Industrial Pretreatment Program. The Water Pollution Control Center is the legal authority responsible for the management, testing and record keeping of the program. Audits of the program and industrial files are performed annually by the Northwest District Office of the Ohio EPA and tri-annually by the State Office of the Ohio EPA. Inspection reports from all EPA agencies have been above average and the City of Findlay is meeting all federal requirements at this time.

The City of Findlay pretreatment program has continued the excellent cooperative spirit with local industries toward successful pretreatment of their individual discharges. At present, all industrial dischargers are in compliance with current regulations and continued cooperation is anticipated.

On September 19, 1934 the Sewage Treatment Works became a National Weather Service station for the City of Findlay and that tradition continues today at the Water Pollution Control Center. Weather records are on file dating back to 1894 for temperature, precipitation amounts, wind direction and sky conditions. Flood information is supplied to the news media when river levels pose a threat to the community. The Blanchard River did not exceeded flood stage during the year which is the first year since 1997 that it did not crest above flood stage.

On February 8th, the City of Findlay recorded 1 degree above zero as the lowest temperature of the year. The highest temperature of the year was recorded on July 23rd when the mercury reached 96 degrees. The year 2010 recorded a total of twenty four days at 90° or above compared to six days in 2009 and nine days in 2008. The year 2010 recorded no days at 0° or below which compares to seven days below zero in 2009. During the year of 2010, four high temperature records were broken or tied and no low temperature records were tied or broken.

These records can be found on the Temperature and Precipitation Data sheet included in this annual report. The historical record low temperature of -21° was recorded on January 13, 1912 and February 20, 1929. The highest temperature on record was 109° recorded on July 24, 1934.

Total precipitation for 2010 was 32.28 inches, which was 3.29 inches below the one-hundred sixteen year average of 35.57 inches. The month of May accounted for the greatest amount of monthly precipitation at 6.45 inches and the month of December the least at 0.70 inches.

November 25th recorded the largest single day rainfall at 1.75 inches. The following are all days in 2010 that one inch or more of rainfall was recorded in a 24 hours period:

November 25th	1.75"
April 25th	1.25"
May 17th	1.19"
June 5th	1.16"
November 16th	1.15"

The WPC recorded 184 days with precipitation which accounts for 50.4% of the days in 2010 out of those 184 days 122 days 33.4% had measurable amounts of precipitation of more than 0.01".

The year 2010 recorded a total snowfall of 20.6 inches of snowfall, which is 5.9 inches below the average. The month of February was the snowiest month with 12.6 inches recorded.

2010
TEMPERATURE AND PRECIPITATION

MONTH	TEMPERATURE				PRECIPITATION			
	AVERAGE MAXIMUM°		AVERAGE MINIMUM °		TOTAL "		SNOWFALL "	
	2009	2010	2009	2010	2009	2010	2009	2010
JANUARY	26.0	29.2	9.9	18.2	1.51	0.89	15.1	4.8
FEBRUARY	38.1	30.9	21.9	19.6	2.69	1.60	2.3	12.6
MARCH	52.6	51.1	30.5	31.1	4.58	2.35	T	0.5
APRIL	60.0	67.3	40.3	43.7	4.64	3.18	T	
MAY	71.9	73.9	49.3	54.0	3.52	6.45		
JUNE	79.6	82.2	59.4	63.8	4.46	5.20		
JULY	79.4	87.0	59.1	66.3	1.98	2.07		
AUGUST	82.2	84.8	62.0	65.1	1.91	3.04		
SEPTEMBER	76.4	77.5	54.4	55.2	0.60	1.17		
OCTOBER	58.8	66.5	40.5	44.5	3.97	1.48		
NOVEMBER	54.2	53.2	36.8	30.8	0.71	4.15	T	T
DECEMBER	35.9	30.2	22.8	18.1	2.07	0.70	6.0	2.7
TOTAL					32.64	32.28	23.4	20.6
AVERAGE	59.6	61.2	40.6	42.5				
HISTORIC AVERAGE					35.57		26.1	

NEW TEMPERATURE RECORDS:

April 1(tied)	79	Record	1986	79
April 2	83	Old Record	1963	80
April 15 (tied)	83	Record	2002/2003	83
December 31	60	Old Record	1965	58

2010
ANNUAL SUMMARY OF OPERATIONS

REMOVAL OF SUSPENDED SOLIDS	
2010 RAW TO FINAL	2009 RAW TO FINAL
98.5%	97.8%

REMOVAL OF 5-DAY C.B.O.D. (Carbonaceous Biochemical Oxygen Demand)	
2010 RAW TO FINAL	2009 RAW TO FINAL
98.5%	98.5%

REMOVAL OF AMMONIA	
2010 RAW TO FINAL	2009 RAW TO FINAL
99.4%	99.4%

REMOVAL OF TOTAL PHOSPHORUS	
2010 RAW TO FINAL	2009 RAW TO FINAL
90.8%	93.7%

COST OF OPERATION		
	2010	2009
PAYROLL & BENEFITS	$ 1,249,784	$ 1,248,987
UTILITIES (electric, water & sewage)	$ 452,745	$ 414,724
CHEMICALS	$ 53,076	$ 51,777
EQUIPMENT MAINTENANCE	$ 81,143	$ 59,939
MISCELLANEOUS	$ 215,769	$ 182,028
CAPITAL EQUIPMENT	$ 473,458	$ 222,610
TOTAL	$ 2,525,975	$ 2,180,065
COST PER MILLION GALLONS	$ 728	$ 596

2010
ANNUAL SUMMARY OF OPERATIONS

MONTH	FLOW (Million Gallons)		
	TOTAL	AVG/DAY	PEAK
JANUARY	235.168	7.586	13.210
FEBRUARY	222.960	7.963	13.460
MARCH	**438.273**	**14.138**	22.725
APRIL	336.239	11.208	26.125
MAY	435.828	14.059	**30.109**
JUNE	416.075	13.869	25.965
JULY	259.293	8.364	13.084
AUGUST	245.852	7.931	12.944
SEPTEMBER	197.976	6.599	10.589
OCTOBER	202.782	6.541	9.223
NOVEMBER	238.892	7.963	20.932
DECEMBER	239.264	7.718	11.211
2010 TOTAL	3468.602		
2010 AVERAGE	289.050	9.495	17.465
2009 TOTAL	3,660.892		
2009 AVERAGE	305.074	10.074	17.868

2010
ANNUAL SUMMARY OF OPERATIONS

MONTH	SUSPENDED SOLIDS MG/L		5-DAY CBOD MG/L		AMMONIA MG/L	
	RAW	FINAL	RAW	FINAL	RAW	FINAL
JANUARY	145	1	162	2	18.1	<0.10
FEBRUARY	156	3	160	2	17.5	<0.10
MARCH	106	2	103	2	11.3	<0.10
APRIL	128	2	119	2	13.9	<0.10
MAY	120	3	111	2	12.5	<0.10
JUNE	108	2	103	2	11.1	<0.10
JULY	146	3	136	2	16.3	<0.10
AUGUST	158	2	143	1	18.0	<0.10
SEPTEMBER	139	3	174	2	20.4	<0.10
OCTOBER	138	3	161	1	21.3	<0.10
NOVEMBER	147	2	160	2	20.6	<0.10
DECEMBER	139	2	158	2	18.0	<0.10
NPDES LIMIT (SUMMER)	5/01-10/31	14	N/A	10	N/A	1.4
NPDES LIMIT (WINTER)	11/01-4/30	18	N/A	13	N/A	4.2
2010 AVERAGE	136	2	141	2	16.6	<0.1
2009 AVERAGE	138	3	131	2	16.1	<0.1

2010
ANNUAL SUMMARY OF OPERATIONS

MONTH	TOTAL PHOSPHORUS MG/L		COD MG/L	FECAL COLIFORM #/100ML
	RAW	FINAL	FINAL	FINAL
JANUARY	4.5	.20	18	
FEBRUARY	4.5	.31	16	
MARCH	2.6	.23	18	
APRIL	3.1	.22	20	
MAY	3.0	.60	20	13
JUNE	2.3	.47	19	5
JULY	3.6	.39	17	5
AUGUST	4.0	.43	14	18
SEPTEMBER	4.4	.63	21	13
OCTOBER	4.4	.39	23	6
NOVEMBER	4.6	.21	24	
DECEMBER	4.0	.14	24	
NPDES LIMIT	N/A	1.00	N/A	1000/100ML
2010 AVERAGE	3.8	0.35	20	10
2009 AVERAGE	3.8	0.24	15	154
2007 AVERAGE	3.6	0.72	15	23

2010
ANNUAL SUMMARY OF OPERATIONS

MONTH	DISSOLVED OXYGEN (PPM)		
	FINAL EFFLUENT	BLANCHARD RIVER ABOVE	BLANCHARD RIVER BELOW
JANUARY	9.3	13.2	12.4
FEBRUARY	9.4	13.6	13.1
MARCH	8.9	14.4	13.6
APRIL	8.2	9.7	10.2
MAY	8.4	8.8	8.6
JUNE	8.0	6.9	6.7
JULY	8.3	7.9	7.4
AUGUST	7.9	8.4	6.3
SEPTEMBER	8.0	7.3	6.5
OCTOBER	8.4	7.3	7.2
NOVEMBER	8.7	9.4	7.5
DECEMBER	9.2	12.2	11.4
NPDES PERMIT (SUMMER) 5/01-10/31	6.7		
NPDES PERMIT (WINTER) 11/01-4/30	5.3		
2010 AVERAGE	8.6	9.9	9.2
2009 AVERAGE	8.6	10.4	9.6
2008 AVERAGE	8.4	9.6	8.9

2010
SOLIDS PROCESSING ANNUAL REPORT

MONTH	OPERATING HOURS 1	2	3	4	TOTAL OPERATING HOURS	AVERAGE COST $/TON	POLYMER COST TOTAL,$	POLYMER USAGE GALLONS	AVG.SOLIDS CAPTURE %
JANUARY	97.75	95.00	92.25	0	285.00	18.02	2,165.95	186.72	98
FEBRUARY	98.25	98.00	94.50	0	290.75	17.87	2,175.34	187.53	99
MARCH	115.50	109505	115.00	7.75	347.75	17.61	2,650.25	228.47	98
APRIL	136.00	133.00	127.25	0	396.25	18.33	3,050.21	262.95	98
MAY	121.75	122.00	28.50	65.00	337.25	19.49	2,567.17	221.31	99
JUNE	123.75	120.00	96.00	12.00	351.75	18.61	2,656.16	228.98	99
JULY	88.50	86.50	83.00	20.50	258.00	16.47	1,924.45	165.90	99
AUGUST	115.25	0	110.75	0	327.75	18.57	2,453.40	211.50	98
SEPTEMBER	114.75	0	110.75	101.75	330.00	18.55	2,445.86	210.85	98
OCTOBER	91.00	87.00	0	104.50	259.25	18.53	1,930.94	166.46	98
NOVEMBER	124.00	117.00	0	81.25	350.25	18.79	2,510.59	216.43	99
DECEMBER	144.00	0	139.75	109.25	413.75	20.11	3,092.80	266.62	99
				130.00					
TOTAL	1370.50	968.00	997.75	611.50	3947.75		30,623.12	2,553.72	
AVERAGE					328.98	18.41	2,551.93	212.81	99

Polymer $11.60/gallon

2010

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	5,539,517	3,473,160	2,066,357	120.87	0.92	13.9
FEBRUARY	6,146,072	3,674,345	2,471,727	122.65	0.89	14.1
MARCH	6,846,842	4,396,930	2,449,912	149.60	0.94	14.7
APRIL	7,327,510	4,902,325	2,425,185	167.86	0.93	15.3
MAY	5,898,547	3,427,422	2,471,125	133.25	1.07	16.8
JUNE	6,527,403	3,837,060	2,690,343	149.22	1.18	17.6
JULY	5,480,565	3,108,450	2,372,115	117.05	1.08	16.9
AUGUST	5,748,713	3,467,070	2,281,643	132.49	1.03	16.4
SEPTEMBER	6,558,488	3,988,960	2,569,664	132.11	0.92	15.7
OCTOBER	5,826,488	3,265,900	2,560,588	104.28	0.91	14.8
NOVEMBER	6,687,667	4,180,250	2,507,417	134.55	0.87	14.5
DECEMBER	7,804,850	5,071,675	2,733,175	154.78	0.81	14.6
TOTAL	76,392,798	46,793,547	29,599,251	1,618.75		
AVERAGE	6,366,067	3,899,462	2,466,604	134.90	0.96	15.4

2010
SEWER MAINTENANCE UNIT
ANNUAL REPORT

Sewer Maintenance, a unit of the Water Pollution Control Center, investigated 83 complaints of sewer problems in the year 2010. 4% of these complaints were due to a problem within the City's sewer system. The remaining 96% of complaints were in the homeowner's sewer. 26% of the 83 calls were received during nonscheduled work hours and required employees to be called in to work.

The Sewer Maintenance Unit, which consists of thirteen employees, maintains a sanitary sewer system that reaches far outside the City of Findlay Corporation limits. This is a reduction from fourteen employees which has been the staffing level since 2001. Due to budget concerns the current staffing level will be maintained into the foreseeable future. The sanitary sewer system has over 16,809 customers and is estimated to consist of over 295 miles of sewers and several thousand manholes. The preventive maintenance program conducted by the Sewer Maintenance Unit allows for the cleaning of all City sanitary sewers every eight years and additional cleaning of known areas with historic sewer problems.

During 2010, a total of 36.5 miles of sanitary sewer were cleaned by the Sewer Maintenance Unit. The vactor, (a high-pressure water sewer cleaner and vacuum truck), cleaned 33.5 miles of sanitary sewer. The remaining sewer was cleaned by the bucket machines and a jetter trailer unit. The vactor cleaned various building drains for other City departments, tanks and basins at the Water Pollution Control facility, the City swimming pool, and lift stations wet wells. In late 2010 the Water Pollution Control and Sewer Maintenance purchased a new Vactor Unit to replace the 1995 that were currently using. The older unit was costly to run and maintain due to its age and everyday usage. One of the new features of this new Vactor Unit is the Hydro-Excavation feature which will enable us to exhume the soil without the use of heavy equipment. This will assist in finding marked and unmarked utilities before repairs begin.

In 2010, a private contractor treated 3,775 feet of sanitary sewer for root intrusion. This process involves the spraying of foam on the roots within the sewer system, killing the roots without harming the tree. This process reduces sewer blockages within the lines and cuts down on the frequency that cleaning is required.

The Sewer Maintenance Unit also maintains the storm sewer system, within the City of Findlay Corporation limits. It consists of an unknown number of miles of sewer as well as manholes and approximately 6,400 catch basins. The City's storm water maintenance crew cleaned 1,249 catch basins along with 5,375 feet of storm sewer. A total of 61 catch basins were rebuilt and 254 were repaired in 2010.

The Sewer Maintenance Unit utilizes a self-propelled main line camera; a manhole camera, a lateral inspection camera and a jetter assisted camera in the inspection of sewers and their structures. The self-propelled main line camera was updated in 2009 to provide it with pan & tilt capabilities which allows it to look up sewer laterals from the main line sewer. In 2010, 2,972 feet of sewer were inspected by the main line camera. The Maintenance Unit also utilizes a lateral camera that allows for the inspection of lines as small as 2 inches. It has also been used to aid the Traffic Unit in locating breaks in their 2 inch electrical conduits. A manhole inspection camera and video recorder allows City employees to safety inspect and record manhole conditions without entering the manhole.

As required by OSHA and the City of Findlay's confined space entry policy, all confined space entries must be documented. During 2010, 11 entries were required by maintenance personnel to the sewer system. The Sewer Maintenance Unit used a refurbished enclosed trailer to allow all confined space equipment to be readily available at the job site. This reduces entry time and provides a safer entry procedure with all the equipment closely at hand.

The Sewer Maintenance Unit, 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 2010 the Sewer Maintenance Unit alone had requests for 5,435 sewer locates. This is down from the high in 2005 of 7,839.

During 2010, the Sewer Maintenance Unit repaired 4 sanitary sewer pipes and 19 storm sewer pipes, which had either collapsed or were damaged by utilities.

The Sewer Maintenance Unit maintains 13.2 miles of sanitary force mains from pumping station. These force mains are within and outside of the corporation limits. On the force mains there are 32 air pressure relief valves that need maintained or replaced (as needed) on a weekly basis. This will ensure efficient pumping and proper flows from the pumping stations.

The Sewer Maintenance Unit continued installing flap gates on all Combined Sewer Overflows to prevent river water intrusion during flooding condition from backing into the sewer system thus surcharging the sewer system. Additional flap gates are installed on storm sewers to help minimize street flooding during high water levels of the Blanchard River and its tributaries.

The Sewer Maintenance Unit repairs manholes, constructs new manholes, constructs drainage for localized storm water problems, conducts dye tests, conducts flow monitoring with 2 portable flow monitors and maintains a rat control maintenance program in the City sewer system. In addition, the Sewer Maintenance Unit conducts smoke testing on the sewer system to inspect for sources of inflow and infiltration to the sanitary sewer system.

The Sewer Maintenance Unit also assists the Water Pollution Control employees with street closing and barricading during high water events.

In 2008, the Sewer Maintenance Unit began plugging abandon sanitary sewer laterals of properties damaged in the 2007 flood which were demolished by the Findlay Public Works Department. In 2010, 17 laterals were plugged and abandoned.

During 2010, approximately 30% of the Sewer Maintenance Unit man-hours were spent maintaining sanitary sewers, 40% on storm sewers and the remaining 30% on building and equipment maintenance, vacation, sick leave, confined space entry training and equipment use and various other safety training.

2010
SEWER MAINTENANCE
ANNUAL REPORT OF OPERATIONS

MONTH	CLEANING						CATCH BASIN REPAIR PATCHED	MANHOLES ADJUSTED	SEWER CALLS	TELEVISED	
	BUCKET		VACTOR			JET					
	SANITARY	STORM	SANITARY	STORM	BASINS	FLUSHING				SANITARY	STORM
	FEET	FEET	FEET	FEET	#	FEET	#	#	#	FEET	FEET
JANUARY	915	0	3,440	0	17	0	0/2	0	9	280	0
FEBRUARY	0	0	1,703	0	0	0	1/0	0	7	500	0
MARCH	11,224	587	24,515	0	186	603	6/4	1	3	0	0
APRIL	2,064	0	24,635	0	97	0	13/5	1	3	818	0
MAY	0	0	15,275	20	156	0	3/5	1	6	0	0
JUNE	0	0	26,120	4,500	94	0	11/19	0	3	1,066	38
JULY	0	0	6,325	875	47	0	14/38	0	7	270	0
AUGUST	0	0	29,550	0	170	0	7/24	0	3	0	0
SEPTEMBER	0	0	20,370	0	121	0	3/66	0	12	0	0
OCTOBER	0	0	9,155	0	131	0	3/87	0	13	0	0
NOVEMBER	0	0	15,960	0	230	0	0/41	0	12	0	0
DECEMBER	0	0	0	0	0	0	0/0	0	5	0	0
TOTAL	14,203	587	177,075	5,375	1,249	603	61/254	3	83	2,934	38
2009 TOTAL	11,490		203,048	13,060	1,040	36,172	79/109	13	92	6,118	1,451