



LUCAS COUNTY SANITARY ENGINEER

ANNUAL REPORT

2019

BOARD OF LUCAS COUNTY COMMISSIONERS

TINA SKELDON WOZNIAK, PRESIDENT

PETE GERKEN, COMMISSIONER

GARY L. BYERS, COMMISSIONER

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LUCAS COUNTY SANITARY ENGINEER

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EXECUTIVE SUMMARY

This document describes the activities of the Lucas County Sanitary Engineer's (LCSE) department. The LCSE department operates through the authority of the Lucas County Board of Commissioners. Services that the department provides to its customers include: Water Distribution, Wastewater Collection, Wastewater Treatment, Engineering, Surveying, Inspection, Operation and Maintenance. Additionally, the department is coordinated the remediation of a dormant landfill (King Road Landfill) in Sylvania Township. In 2006, the Solid Waste Management District officially became part of the department.

LCSE Department Description

Water Distribution: The department operates and maintains approximately 450 miles of water lines with approximately 5,000 fire hydrants and three water booster pumping stations. The distribution system has 2.5 million gallons of surface storage capacity and 4.0 million gallons of elevated storage capacity.

Wastewater Collection: The department operates and maintains approximately 300 miles of sanitary sewer/force main lines and 50 wastewater pumping stations.

Water Resource Recovery Facility: The department operates and maintains a 22.5 million gallons per day (mgd) water resource recovery facility, which discharges treated water to the Maumee River. In 2005, we officially increased our capacity by 7.5 mgd and we have a site capacity to expand another 7.5 mgd to 30 mgd in the future.

Engineering, Surveying, Inspection: The department consistently has thousands of feet of water supply lines and sanitary sewer lines under review, design, and/or construction. These improvements are being undertaken in response to petitions by property owners, service to new developments, and to enhance the dependability of the public water and sanitary sewer systems.

King Road Landfill: The department coordinated the remediation of the dormant landfill on King Road. The remedial action was accepted by the Ohio Environmental Protection Agency (OEPA) and periodic monitoring is ongoing with reporting to the OEPA.

Solid Waste Management District: The District provides programs and services for all Lucas County residents, including efforts to reduce, reuse and recycle. The District's primary service includes collection of recyclables at drop-off locations throughout the County. District duties are made to comply with the approved District Solid Waste Management plan.

LCSE MISSION STATEMENT (WATER/SEWER)

To provide customers with high quality, safe, cost effective and sustainable water and wastewater services in accordance with applicable Local, State and Federal requirements for a healthier today and a sustainable tomorrow.

SOLID WASTE MANAGEMENT DISTRICT MISSION STATEMENT

To develop and enhance programs which enable residents to easily recycle common household wastes as well as to assist business and industry with the implementation of waste reduction and recycling programs, with programs/services to reduce, reuse and recycle.

WATER RESOURCE RECOVERY FACILITY MISSION STATEMENT

To operate and maintain the Lucas County WRRF in a cost effective, reliable, and safe manner with meets all State and Federal permits and regulations.

2019 Accomplishments

SE - Permits/Taps/Tappers Stats:

Water connection fees paid

296 in 2019 (318-'18, 270-'17, 304-'16, 287-'15, 292-'14, 285-'13)

Sewer connection fees paid

252 in 2019 (260-'18, 223-'17, 269-'16, 247-'15, 247-'14, 240-'13)

Paid sewer taps

291 in 2019 (244-'18, 244-'17, 279-'16, 270-'15, 247-'14, 238-'13)

Licensed sanitary sewer tappers

51 in 2019 (51-'18, 51-'17, 49-'16, 44-'15, 42-'14, 40-'13)

SE - Maintenance Stats (Emergency Response 24/7):

18 - Fire Hydrants Hit responses (23-'18, 23-'17, 12-'16, 20-'15)

247 - San Sewer PS alarms, primarily after hrs (235-'18, 401-'17, 372-'16)

14 - Sewer backup responses (incl private issues) (13-'18, 30-'17, 23-'16)

56 - Water main break responses (50-'18, 35-'17, 27-'16, 57-'15)

SE - General:

1. All plan reviews, phone calls, etc. have been returned in a timely manner.
2. LCSE has provided many training opportunities for our employees. Initial training for new employees, confined space, new technologies, & water/wastewater licensed operator training, etc.
3. OPWC application was submitted in October. Trying to lessen the burden on our customers on Shoreland.
4. Parking lot has been resurfaced. Catch basins have been reconstructed as needed.
5. Began using Bluebeam for all plan review. This cut down on the amount of paper being used.
6. Office personnel have continued to complete SOP per month.
7. Gas monitors are updated once every six months. Personnel get safety shirts as needed.
8. Communication with other entities continues to happen. Sharing of equipment when necessary.
9. King Road landfill bike trail extension has been completed.
10. GIS updates occur as new utilities are added, as well as updating existing as necessary. Field staff have the use of IPADS for use.

SE - Maintenance:

1. All work is being documented with most of it scanned for electronic version.
2. Crews have done some water valve inspection and hydrant painting. LCSE has continued to replace hydrants & valves whenever economical and feasible.
3. Field activities (water valves on/off; WMBs, FHHs, SBUs, PSAs) are being transferred to office personnel and changes made on GIS and maps.
4. Sanitary sewer projects are given to crews to inspect and follow up based on findings. LCSE has discovered a couple of plugs prior to becoming an issue.
5. Progressing MHI and SWLs well. Only Sylvania Twp. and a portion of Springfield Twp. and Ottawa Hills remain. Locating and placing correctly in GIS also.
6. PS alarms decreased substantially from the past. Pumps have been repaired/replaced in a timely manner.
7. All wastewater pump station wet wells were cleaned at least once in 2019.
8. Inventory has been built up to reduce downtimes.
9. Jer. Twp. #7 PS and Airport Hwy. being odor controlled. Began treating at Sylvania-Herr PS in 2019.

SE - Projects:

1. Currently using the Bluebeam Software for plan reviews. CAD program is adequate for our technicians.
2. Started putting older plans on new mylar. Finished thinning out plans by putting them in more drawers.
3. Completed 1 water main looping project. Always looking for cost effective approach to stabilize system.
4. Researching equipment for inspectors to use IPADS. RCAP is assisting with doing this implementation.
5. The Toledo SCADA project is in use and the county water PSs are on the new SCADA system.
6. The LCSE water model/master plan had started and will be completed in 2020 with COT.
7. Replaced water pump station equipment as recommended by operations (City of Toledo).
8. Maintaining records is in the work flow with communication between the surveyor and technicians.
9. Trunk sanitary sewer re-lined from WRRF to MH2 under SR 24 & Cairl Ditch siphon cleaned and re-lined.
10. Held a plan reading sessions with others to follow. A monthly inspector's meeting is also held to discuss the issues that the Techs may have.

SE - Ohio Utility Protection Service: CALL 811 BEFORE YOU DIG or (800) 362-2764
Thousands of locate requests are handled by LCSE staff as LUC 1201

WR – Lucas County Water Resource Recovery Facility: (22.5 MGD rated capacity)

2019 <u>Average Flow:</u>	17.260 MGD	<u>Max:</u>	34.415 MGD	<u>Min:</u>	10.914 MGD
2018 <u>Average Flow:</u>	15.049 MGD	<u>Max:</u>	36.174 MGD	<u>Min:</u>	9.875 MGD
2017 <u>Average Flow:</u>	14.913 MGD	<u>Max:</u>	35.521 MGD	<u>Min:</u>	9.345 MGD
2016 <u>Average Flow:</u>	15.381 MGD	<u>Max:</u>	31.747 MGD	<u>Min:</u>	11.179 MGD
2015 <u>Average Flow:</u>	15.847 MGD	<u>Max:</u>	42.898 MGD	<u>Min:</u>	11.085 MGD
2014 <u>Average Flow:</u>	15.906 MGD	<u>Max:</u>	21.439 MGD	<u>Min:</u>	12.768 MGD

WR - General

1. Daily observations of the facility's systems and the evaluation of laboratory reports allows for the proper adjustments to be made to the treatment processes.
2. Continuous efforts are made to reduce odors at the facility.
3. The WRRF is currently fully staffed with 23 employees
4. Began operation of some equipment as work continues on start-up of remaining equipment.
5. Painting began on the exterior of all of the facility buildings
6. Bottom drive gear was replaced in west final clarifier
7. Replaced and upgraded SCADA system and PLCs

In June, 2015, the Lucas County Board of Commissioners changed the name of the Facility (Maumee River Wastewater Treatment Plant) to the Lucas County Water Resource Recovery Facility (WRRF) to more accurately reflect the operations and purpose of the facility.

SW - General

1. Facility Imps –completed parking lot improvements & outside office painting
2. Closed State Grant for “CORRECT RECYCLING” Education & Awareness Program
3. Closed State Grant for Compactor and 4 Walking Floor Trailers at transfer site
4. Provided financial support for the Lucas County Sustainability Commission
5. Continued Recycling Truck replacement program
6. Completed the Ohio EPA Annual District Report in a timely manner
7. Provided aid regarding curbside collection for Holland, Whitehouse, Monclova Twp and Jerusalem Twp as needed
8. Maintained E-waste & HHW Program for residential collection year around
9. Continue to provide programs/services based on the Solid Waste Plan update
10. Maintained partnerships with KT/LCB & the Univ. of Toledo
11. Worked with consultants for hybrid MRF feasibility designs
12. Worked with consultants regarding full scale MRF
13. Purchased and placed 55 recycling containers for District drop-off program
14. Established 2 new drop-off locations & enhanced another in Oregon
15. Participated in Going Green on the Green Event
16. Participated in Party for the Planet

SW - Residential Recycling: All communities in Lucas County participate in recycling, either through curbside programs, or availability to District recycling drop-off locations. In addition, the District provides direct support for the City of Toledo’s residential curbside recycling program, which in combination with the District drop-off program, allowed the District to satisfy Goal #1 (access and participation) of the State Solid Waste Management Plan.

SW - Dual Stream MRF: The District operates and maintains over 150 drop-off recycling sites throughout the county, accounting for the diversion of approx. 10,000 tons of material. The District has a contract with Gateway Recycling where commingled fiber is processed. The associated revenue sharing arrangement has proved beneficial for

both parties. The District also has a contract with Republic Services to transfer and process commingled bottles/cans, however, the current commodity pricing has the District paying Republic Services.

SW - Specialty Waste Program: The Specialty Waste Program targets household hazardous wastes, scrap tires, batteries, and electronics for diversion from landfill disposal. The District coordinates a pay as you throw program with private companies, excluding scrap tires. Scrap tires are disposed where tires are privately purchased.

SW - Business Waste Reduction Assistance Program - The District provides information, technical assistance and no cost waste and energy assessments to County commercial and industrial businesses primarily through a partnership with the University of Toledo Business Waste Reduction Assistance Program. The service identifies environmentally friendly solutions and cost savings for local businesses through waste minimization and process efficiency solutions. The goals of the program are to (a) increase manufacturing competitiveness through reduced solid waste disposal costs, reduced energy costs and optimized use of raw materials, packaging and floor space; (b) improve corporate image as companies become more green; (c) reduce pollution through reduced energy usage and the application of clean and renewable energy sources; and (d) decreased reliance of landfills for disposal. The Business Waste Reduction Assistance Program (BWRAP) identifies solid waste for diversion from landfills resulting in cost savings for Lucas County businesses. This program contributes to satisfying both goals #3 and #4 of the State Solid Waste Management Plan.

SW - Keep Toledo/Lucas County Beautiful, Inc. (KT/LCB):

The District in partnership with Keep Toledo/Lucas County Beautiful, Inc. provides general assistance, educational materials and technical assistance in all areas of waste management, recycling, waste reduction, composting, yard waste management, market development, scrap tires, electronics, household hazardous waste as well as other solid waste issues. The aforementioned programs encourage environmental stewardship and satisfies goal #3 of the State Solid Waste Management Plan.

SW - Sustainability Commission: This Commission has a holistic model of sustainability which reflects the “triple bottom line” thinking. The District provides funding to support the work of the Toledo-Lucas County Sustainability Commission. The Commission worked to establish basic metrics for sustainability including documentation of the baseline carbon footprint for Toledo-Lucas County including development of measurable and prioritized goals through a carbon management action plan.

Trends / Opportunities / Tools

Software

1. Annual subscriptions (AutoCad & ArcGIS) keep us up to date with the latest software.
2. Technicians use a variety of software versions.
3. Handheld devices are being used more and more for access on "the cloud".

Survey (electronic field books)

1. We obtain field data electronically with an in-house Engineering Tech Surveyor.
2. Recent innovations and technology are coordinated with the County Engineer's office.

Lucas County GIS (water & sewer layers)

1. We completed our back file data conversion by creating GIS layers and links to plan documents in 2006.
2. We currently utilize ArcGIS ESRI software for the GIS system and many varieties of queries are available and utilized.
3. ArcGIS Online (AGO) is an online tool to view water/sanitary sewer layers with the County Engineer's storm water data and the Health Department's data on the County website.
4. The AGO can be accessed through the Sanitary Engineer's website.

Access to Sanitary Sewer permits

1. Sewer permits have been entered into the imaging system - OnBase
2. These records can be accessed through the Sanitary Engineer's website.

One-Stop Location for water, sewer & building permits & water taps and County Engineer data

1. Our joint location of Public Works has allowed us to issue water and wastewater permits, water taps and building permits at one location.
2. The Building Regulations Dept. relocated their operations as an attached office in 2000.
3. The Lucas County Engineer's office and garage facilities relocated next door, just north of the Sanitary Engineer's office in 2013.
4. These modifications have provided a user-friendly convenient service to our collective customers.

Countywide Refuse/Recycling Collection & Processing

1. By Agreement, the District has contracted for refuse/recycling collection services for Toledo, Maumee, Whitehouse, Jerusalem Twp, Holland and Monclova Twp.
2. The District continues to explore alternatives to develop a Material Recovery Facility (MRF) in the City of Toledo and continue to explore transfer options.

Growing Technology....

1. iPads were new to the Utility Crew Leaders for field access to GIS in 2015. We added more for additional field staff in 2018 and 2019.
2. Verizon mobile phones, e-mail to text and monthly division meetings allow the department to communicate more effectively.
3. GIS continues to grow as a tool for all aspects of the LCSE operations.
4. Website information allows for public access to LCSE functions, programs and services.
5. Plan review software in 2018 has allowed us to continue on path of being paperless.

KEY FOCUS AREAS FOR THE FUTURE

1. **Working Safely in all aspects of the Department!**
2. **C T T Initiative = COMMUNICATION TRAINING TEAMWORK to achieve results**
3. **Enhancing methods to improve communication between all employees to function as a responsible and knowledgeable team (SOPs, newsletters, emails, meetings)**
4. **Improving overall effectiveness and efficiency of the workforce by:**
 - Improving internal communication, coordination, and documentation
 - Creating/Updating SOPs to transfer knowledge or create efficiencies
 - Incorporating succession planning in daily activities to allow others to learn
 - Utilizing strategies to continually improve labor/management forums
5. **Working toward a future program allowing greater linkage between GIS and field activities.**

Goals for 2020

GENERAL GOALS

- < **Provide prompt and courteous response to customer inquiries and concerns.**
- < **Provide training to ensure adequate working knowledge and safe working conditions for staff and public.**
- < **Seek grants and available funding while increasing efficiencies to assist with budget to ease burden on customer costs.**
- < **Clean and maintain facilities so as to present an award winning appearance.**
- < **Continue to stay current with latest software/equipment for better utilization of technology for more efficient procedures.**
- < **Continue development of SOPs - Standard Operating Procedures to capture institutional knowledge and increase operational efficiencies.**
- < **Look for synergies between the three SE divisions (SE, WR, SW).**
- < **Continue to improve employee morale and maintain a positive work place environment.**

SANITARY ENGINEER GOALS

- < **Continue to maintain and update all safety devices and equipment (PPE, gas monitors, harnesses, signs, etc...) for a safer workforce.**
- < **Explore efficiencies in combining efforts, equipment and technologies with other agencies as appropriate (Co Engineer, Auditor, LCSIS, Twps, Cities, Villages...).**
- < **Continue monitoring at the King Road Landfill and enjoy the bike trail extension.**
- < **Continue to update the GIS system with water and sewer information as well as maintenance activities to prioritize capital improvements.**
- < **Return to scanning sewer permits for access on website.**
- < **Look for ways to improve customer experience using HD TV screen at front desk.**

MAINTENANCE (OPERATIONS) GOALS

- < **Ensure adherence with EPA standards and recommendations for documenting activities.**
- < **Continue water valve & fire hydrant inspections in systematic fashion.**
- < **Continue field to office transfer of information (water valves on/off; WMBs, FHHs, SBUs, PSAs) and increase GIS accuracy to enhance customer service**
- < **Continue system wide approach for inspecting, flushing & televising sewers**
- < **Continue manhole inspections and sewer watch list with efficient routes**

MAINTENANCE (OPERATIONS) GOALS (continued)

- < **Ensure pump stations operate with minimal downtime and reduced costs. Review Mission reports with staff.**
- < **Update pump capacities periodically based on report information and clean pump station wet wells.**
- < **Increase inventory for items with an extended shelf life (pumps, check valves) when ordering results in long lead times.**
- < **Continue to maintain and update all vehicles by following the Vehicle Replacement program.**
- < **Continue to monitor and improve sewer odor & corrosion control in a cost effective manner (McCord Rd, Jer Twp, Silica PS, Strayer Rd, etc...).**
- < **Continue to improve coordination between office and Crew Leaders regarding proactive system repairs.**
- < **Explore ways to maintain inventory, electronically if more efficient.**

PROJECT SECTION (DESIGN, CONSTRUCTION & INSPECTION) GOALS

- < **Continue to update equipment/software for compatibility with other firms/agencies (COT, LCE, ODOT, etc...).**
- < **Continue to organize office areas and files (plan room, shop drawings, general areas...) to ensure ease of access.**
- < **Implement projects to loop water mains to stabilize service to customers.**
- < **Incorporate new technology for increased efficiencies in workflow of inspectors and office staff - online form reporting.**
- < **Improve communication with water pumping stations and pressure sensing locations for system knowledge – Toledo SCADA improvements.**
- < **Complete water and integrate COT flow data.**
- < **Replace equipment at water pumping stations per coordination with COT.**
- < **Update and maintain records on a consistent basis as part of the project workflow.**
- < **Rehabilitate various sections of the Interceptor Sewer and Siphons per the 2016 Sanitary Sewer Master Plan.**
- < **Continue to improve the accuracy and efficiency of inspections/plan drawings (sewer mains, water mains, sewer taps, water main breaks, etc...).**
- < **Prepare RFQ for sanitary sewer master plan update.**

WATER RESOURCE RECOVERY FACILITY GOALS

- < **Meet and/or exceed all federal, state and local requirements, and in accordance with the National Pollutant Discharge Elimination System (NPDES) Permit at the Lucas County Water Resource Recovery Facility (WRRF).**
- < **Continue to maintain established plant odor control emissions by utilizing the facility's odor control process equipment.**
- < **Optimize existing electrical demand improvements and research Best Management Practices for increased efficiency.**
- < **Ensure WRRF equipment operates in a manner to satisfy Ohio EPA redundancy requirements and is functional with minimal downtime and at budgetary costs.**
- < **Ensure 24/7 monitored WRRF operation and functional ability to satisfy all Contract Community obligations.**
- < **Optimize digester gas through improvements to existing Digesters to reduce reliance on electricity in a cost effective manner.**
- < **Continue facility improvement & beautification projects.**

WATER RESOURCE RECOVERY FACILITY GOALS (continued)

- < **Plan for paving improvements. Produce an RFP for pavement design and drainage improvements.**
- < **Complete RFP for various facility and operational improvements.**
- < **Establish planned maintenance for new equipment.**
- < **Maintain a balance between digester gas production and tipping fees.**
- < **Seek out options for removal of new Class A biosolids.**

SOLID WASTE MANAGEMENT DISTRICT GOALS

- < **Operate in accordance with State of Ohio Solid Waste Management Plan.**
- < **Implement designation agreements and enforce as appropriate for collection of fees.**
- < **Maintain partnerships with KTLCB and Univ. of Toledo to maximize effectiveness of programs/services.**
- < **Seek grants and available funding while increasing efficiencies to assist with budget.**
- < **Increase public awareness in all areas to reduce, reuse and recycle (including Green Waste Diversion and Specialty Waste programs).**
- < **Continue to assist communities with RFP development in order to explore bundling refuse/recycling collection services.**
- < **Continue Household Hazardous Waste (HHW) & Electronic Waste program(s) with ease of use.**
- < **Continue to support the mission of the Toledo–Lucas County Sustainability Commission.**
- < **Prepare and submit Annual District and Quarterly Reports as required by the Ohio EPA.**
- < **Administer the development of a regional single stream MRF with an initial hybrid MRF (w/ transitional transfer options).**
- < **Assist in administering the Municipal/Twp agreements for refuse and recycling collection services.**
- < **Continue Gateway/District revenue sharing arrangement (fiber) and explore options/alternatives for an extension or a MRF.**
- < **Oversee ReCommunity/District revenue sharing arrangement (bottles and cans) and explore options/alternatives with a MRF in place.**
- < **Implementation of a container replacement program**
- < **Consider a program for drop-off site maintenance support with assistance from seasonal employee**

LCSE DEPARTMENT ORGANIZATION

The Sanitary Engineer Department under the direction of the Board of County Commissioners is responsible for the design, construction, operation and maintenance of the county water distribution, wastewater collection and wastewater treatment systems. The authority is given to the Board of County Commissioners under Ohio Revised Code Sections 6103 and 6117. Additionally, the department coordinated the remediation of a dormant landfill (King Road Landfill). The Solid Waste Management District was formed under the requirements of House Bill 592 (ORC 3734 and ORC 343), Ohio's Solid Waste law. The goal was two-fold: to ensure that adequate landfill capacity is available and to reduce the reliance on landfills. The Lucas County Sanitary Engineer's (LCSE) department was expanded to include the Solid Waste Management District in June, 2006.

The employees of the Sanitary Engineer's office, Water Resource Recovery Facility and Solid Waste Management District are in the same department. There are 65 Bargaining Unit (BU) Employees, 9 Non Bargaining Unit (NBU) employees and typically 3 or 4 Summer Helpers.

Bargaining unit employees are represented by AFSCME Local 544 Technical and Services Unit. This bargaining unit also represents employees in the following departments: Facilities, Building Regulations, Dog Warden, Support Services and Vehicle Maintenance.

Service Area Information

The Lucas County Sanitary Engineer's department provides water and sanitary sewer service to more than 100,000 people including residential, commercial, industrial, and institutional customers. The Solid Waste Management District provides programs and services for all of Lucas County (population of ~435,000).

Water Distribution: Water for the county water distribution system is supplied by two sources: the City of Toledo and the City of Oregon. These water supplies are secured through agreements with the supplying communities. The department serves more than 25,000 customers (approximately 75,000 people) in Jerusalem, Monclova, Spencer, Springfield, Sylvania, Swanton, Washington, and Waterville Townships; the Village of Ottawa Hills; Village of Harbor View; and Village of Holland. Additionally, the county supplies water to the Village of Whitehouse, and Fulton County as bulk customers.

In 2019, the County established a new water agreement with the City of Toledo. The forty year term of the agreement will result in water rates based on a cost of service model and established a Regional Water Commission providing a participatory vehicle for jurisdictions with water contracts.

Wastewater Collection/Treatment System: Treatment of wastewater for the county collection system is provided by three sources: Lucas County, the City of Toledo and the City of Oregon. Treatment is provided through agreements with the noted communities.

The county provides wastewater collection services to approximately 19,000 (approx. 57,000 people) customers in Jerusalem, Monclova, Springfield, Swanton, Sylvania, and Washington Townships; the Village of Ottawa Hills ; Village of Harbor View; and Village of Holland. Additionally, the county's wastewater treatment plant provides treatment services to Monclova, Spencer, Springfield, and Sylvania Townships and has contractual arrangements for treatment services with the City of Maumee, City of Sylvania, Village of Waterville and Village of Whitehouse.

Solid Waste Management District: The area covered by the district includes the entire County along with all Cities, Villages and Townships. In addition to the events and programs, we operate drop off centers located throughout the County.

2019 STAFF

The department includes divisions that work together to provide water and wastewater services and solid waste programs/services on behalf of the County Commissioners for the residents of Lucas County. Employees are the most valuable resource in providing the necessary services that our customers expect.

Board of Lucas County Commissioners:

Tina Skeldon Wozniak, President
Pete Gerken, Commissioner
Gary L. Byers, Commissioner

County Administration:

Megan Vahey Casiere, County Administrator
Matt Heyrman, Deputy County Administrator
Jessica Ford, Deputy County Administrator

Administrative (6 employees):

Jim Shaw, P.E., Sanitary Engineer (NBU)
Nate Inkrott, P.E., Asst. Sanitary Engineer (NBU)
Robin Ratliff, Admin. Secretary (NBU)
Debbie Smith, Utilities Clerk Work Leader (NBU)
Veronica Jackson, Account Clerk
Val Robinson, Utilities Clerk

Maintenance (Water Distribution, Wastewater Collection, Facilities, Fleet - 25 employees):

Ed Schultz, Auto Mechanic
Eric Ferrell, Auto Mechanic
David Smith, Util. Crew Leader
Tim Farrell, Util. Crew Leader
Todd Melnyk, Util. Crew Leader
Robert Lawson, Util. Equip. Operator
Tom Kralovic, Util. Equip. Operator
Ryan Kowalksi, Util. Equip. Operator
Rick Cajka, Util. Equipment Operator
Tara Jordan, Util. Laborer
Anita Daigneault, Util. Laborer
Sara Jensen, Util. Laborer
Kevin Keller, Util. Laborer
Aaron Nova, Util. Laborer
John Griss, Util. Laborer
Gordon Schultz, Util. Laborer
Jason Rayford, Util. Laborer
Vacant, Util. Laborer
Ken Malkowski, Util. Worker
Darrel Phillips, Util. Worker
Ed Jacobs, Pump Crew Leader
Mike Keating, Pump Crew Laborer
John Krontz, Pump Crew Laborer
Matt Watt, Pump Crew Laborer
Mike Snavelly, Pump Crew Laborer

Project (11 employees):

Vacant, Project Engineer (NBU)
David Kovacs, Project Technician
Mike Harrigan, Design Technician

Water Resource Recovery Facility (23 employees):

Jason Collins, Facility Manager (NBU)
Mickey Shank, Asst. Facility Manager (NBU)
Marcia Malkin, Clerical Specialist

Project (continued)

Bob Heckman, Design Technician
Jeff Gensler, Project Inspector Crew Leader
Steve Riegle, Project Inspector
Ken Schwartz, Project Inspector
Paul Berente, Project Inspector
Sam Jayawardhana, Survey Engineering Tech
Pam Lawson, Survey Technician
Rick Cashman, Utilities Locator

Water Resource Recovery Facility (continued)

Terry Flood, Chemist III
David Haugh, Chemist II
Alexandra Slawinski, Pretreatment Coordinator
Gary Heid, WRRF Electrician
Terry Storer, WRRF Maintenance Coordinator
Vacant, WRRF Maintenance
Brian Kozakiewicz, WRRF Maintenance Specialist
Tracy Schlipf, WRRF Maintenance Specialist
Tom Henneman, WRRF Maintenance Specialist
Ryan Riley, WRRF Maintenance Specialist
David Scanes, WRRF Operator
Nick Williams, WRRF Operator
Shannon Schmidt, WRRF Operator
Asher Fishman, WRRF Operator
Jerome Hall, WRRF Operator
Mike Seegert, WRRF Operator
Tony Roemmele, WRRF Operator
Joseph Haines, WRRF Operator
Michael Mooney, WRRF Operator
Matthew Thomas, WRRF Operator

Solid Waste Management District (10 employees):

Julie Riley, Manager (NBU)
Vacant, Office Manager (NBU)
Lydia Elizondo-Kokensparger, Clerk
Lou Posadny, Driver, Crew Coordinator
Terry Broshious, Driver, Crew Coordinator
Corey Allison, Driver
Thomas Sutton, Driver
Ron Keiser, Driver
Daniel Pietrzak, Driver
Alice Arnold, Waste Reduction Program Coordinator

We have a talented group of employees that provide services that are often taken for granted until there is a problem. For this, we are truly grateful for their dedicated service to the public.

2019 Fund Information

Sanitary Engineer

5010 Sanitary Engineer

5020 Water Operation

5021 Water Capital Improvement/Debt

5022 Water Projects....

5040 Sewer Operations

5041 Sewer Capital Improvement/Debt

5042 Sewer Projects....

(3010 Bond Retirement - Water/Sewer)

Water Resource Recovery Facility

5030 WRRF Operation & Maintenance

5031 WRRF Capital Improvement/Debt

5032 WRRF Projects....

Solid Waste Management District

5050 SWMD

<i>Beginning Balance</i> <i>(\$)</i>	<i>DEPARTMENT FUND</i> <i>(calendar year)</i>	<i>RECEIPTS</i> <i>(\$)</i>	<i>EXPENSES</i> <i>(\$)</i>	<i>Ending Balance (\$)</i>
4,011,842.12	Sanitary Engineer 5010	5,744,399.15	5,047,665.39	4,708,575.88
2,349,447.24	Water Operation 5020	1,133,383.21	697,430.27	2,785,400.18
2,032,159.37	Water Capital Improvement/Debt 5021	1,371,295.64	1,254,451.00	2,149,004.01
			Water	4,934,404.19
1,269,373.74	Sewer Operations 5040	1,136,966.94	1,067,254.64	1,339,086.04
1,915,284.41	Sewer Capital Improvement/Debt 5041	1,212,103.60	992,367.03	2,135,020.98
			Sewer	3,474,107.02
4,724,594.14	WRRF O & M 5030	5,091,190.90	4,779,284.24	5,036,500.80
2,290,546.09	WRRF Capital Improvement/Debt 5031	2,412,673.89	4,262,617.35	440,602.63
			WRRF	5,477,103.43
8,640,098.43	Solid Waste Mgmt District 5050	13,639,836.12	13,827,099.31	8,452,835.24

**LUCAS COUNTY SANITARY ENGINEER
SEWER TAP AND WATER/SEWER CONNECTION FEE HISTORY**

