

ERIE COUNTY
DEPARTMENT OF ENVIRONMENTAL SERVICES
BI-MONTHLY REPORT
December 4, 2014

WASTEWATER PROJECTS

Bay View Sewer Project – Erie County is pursuing the construction of a sanitary sewer system to service the Village of Bay View. The Health Department has determined bacteria pollution in the waters surrounding Bay View attributed to failing on-site wastewater systems in Bay View and surrounding areas which contributes to the Lake Erie algae issue. Poggemeyer Design Group (PDG) did a study in 1999 of how best to provide a public sanitary sewer system for Bay View, Crystal Rock and Whites Landing areas. The Health Department had PDG update the study. The study proposes a central gravity sewer collection system pumping the Village wastewater to Sandusky for conveyance and treatment to the Sandusky Wastewater Plant. The estimated cost for the Bay View Collection System is now estimated to be \$7 million. The County under a Sewer Service Agreement with Bay View will own, operate and maintain this system.

The City of Sandusky and Erie County approved on October 4, 2012 a Sewer Service Agreement Amendment to allow Erie County to connect to the city's thirty inch (30") diameter sanitary sewer located at the intersection of Venice Road and Thorpe Drive with the new Bay View wastewater forcemain.

Sources of funds for this project include: U.S. STAG Grant-\$500,000; OEPA Grant-\$25,000; CDBG W&S Grant-\$500,000 and Block Grant \$100,000; USDA Rural Development Grant-\$2,911,900; USDA Rural Development Loan-\$3,035,000 (40 year term at 2.625% interest); Erie County Sewer Funds-\$26,600; all totaling \$7M +/- . USDA funds and CDBG Grants have not yet been secured.

Huron Sewer Rehabilitation Project-2014 – Erie County has received a 50% OPWC Grant not to exceed \$233,582 for lining sewers and manholes in three separate locations in the Huron Sewer system. These areas consist of: (1) along Lake Erie shore between Pittsburgh St to Canton St; (2) south part of Huron Lagoons on Riverside and Wheeler Drive areas; and (3) sewer line connecting between Chaska Beach and Beachwood Subdivision. Bid opening for this project was August 7, 2014. We received 5 bids and the project contract was approved for the low bidder United Survey of Cleveland, Ohio on September 18, 2014 at a price of \$287,934.00. Construction is underway, the sewers have been cleaned, internally inspected, and eight areas in the sewers needed to be chemically grouted to stop water flow at holes and joints before lining installation can start at an estimated additional cost of \$11,000. Sewer liners are scheduled for installation for the month of December followed by manhole lining. The project should be completed early spring 2015.

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Mittawanga Infiltration/Inflow Study – Erie County is required under Ohio EPA Mittawanga Wastewater Plant Permit to perform an Infiltration/Inflow (I/I) Study of the Mittawanga sewer system to determine how much surface and ground water is entering the sewers, using up sewer and plant capacity during wet weather. Erie County rented two flow meters and had them installed for 3 months measuring sewer flow. The Study was completed and submitted to EPA May 2014. Erie County then further studied how surface and ground water is entering the sewer system by smoke testing the sewers in September 2014. Smoke testing results revealed that mostly private service laterals are allowing ground water to enter the sewer system. Next year closed circuit video monitoring the private service laterals using Closed

Circuit camera system that goes up the lateral from the sewer mains. Then in 2016 possible sewer improvements to reduce the I/I will take place. All work needs to be completed by end of the permit which is March 31, 2017.

Sludge Study – Burgess and Niple Engineers is completing a study to determine the most cost effective method for future disposal of wastewater plant sludge. Currently we have a contract with a commercial hauler to land apply our sludge on EPA approved farm fields and when fields are not available we have our sludge hauled to City of Sandusky Wastewater Plant where they dewater the sludge to pass paint filter test for disposal of the sludge at the Erie County Landfill. Farm fields are becoming less available for the land application of sludge so the large majority of the time our sludge is hauled to Sandusky Wastewater Plant. The study recommends installing our own sludge dewatering equipment with the addition of a garage bay at the Huron Basin Wastewater Plant for ultimate sludge disposal at the Erie County Landfill at an estimated cost for the capital improvements of \$1,045,700 and \$78,000 per year operational costs.

WATER PROJECTS

Huron Rye Beach Road Water Booster Pump Station – Erie County has hired Poggemeyer Design Group to provide professional services for the installation of a new Huron water connection with booster pump station to increase pressure in the Boos Road water line to provide improved fire protection to BGSU Fireland's Campus and surrounding service area. Revised bids were opened on October 30, 2014. We received 2 bids and contract was awarded to low bidder Speer Brothers on November 16, 2014 at a price of \$509,150. The new Pump Station is to be installed and in operation by May 1, 2015.

ODOT PROJECTS

US250 at Perkins Avenue Intersection – ODOT will have their relocation of an Erie County 8” and 12” water line at a lower depth and in a linear alignment at a cost of \$74,630 in year 2015.

US250 at South Park Place Road Intersection – Erie County has a sanitary sewer line to install in this intersection from the Maui Sands TIF sanitary sewer to the existing US250 15” sanitary sewer. Estimated cost is \$70,000.

US250 at Bogart Road-Lindsley Ditch Project – ODOT is planning to install a new culvert at Lindsley Ditch under Bogart Road as part of the US250 at Bogart Road project requiring the relocation of an existing 12” water line. Since Bogart Road is a County Road not an ODOT right-of-way, ODOT has advised they will relocate the 12” water line at no cost to the County.

SOLID WASTE, RECYCLING & LITTER PREVENTION

The Erie County Consortium is still in the legal review until December 12, 2014 with the bid advertising date January 5, 2015. The District is meeting with the Consortium and GT Environmental in November 26, 2014. The estimated time in which the program will be launched is June 1, 2015. There are currently two commercials airing on Buckeye Cable promoting the curbside program. The District has branded the program as “Erie County Can” and has started a Facebook page promoting the program along with the Green Erie County Facebook page.

The Environmental Intern is waiting to hear back from Ohio EPA on the Outreach & Marketing Plan. In the meantime, she has been helping the Coordinator with compiling the 2014 Annual Report, updating the webpage, writing newsletters and how to be green this holiday season.

The District is in the process of purchasing a SMART Board to install in the Large Conference Room to be used for workshops, meetings, and education. The Intern will be spending her last month making the hands-on educational tools available as a technology based program for teachers to download.

District Activities:

- Sending out Industrial Surveys and preparing 2014 reports
- Preparing for 2015 Special Events and Collections
 - Household Hazardous Waste
 - Earth Day Extravaganza
- 2015 Budget Preparation
- 2015 Grant Projects