

ERIE COUNTY
DEPARTMENT OF ENVIRONMENTAL SERVICES
BI-MONTHLY REPORT
October 16, 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 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. We will need to submit construction drawings to City of Sandusky for approval.

Sources of funds for this project include: U.S. STAG Grant-\$500,000; OEPA Grant-\$25,000; CDBG W&S Grant-\$500,000; OPWC Credit Enhancement-\$10,000; USDA Rural Development Grant-\$2,911,900; USDA Rural Development Loan-\$3,035,000; 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. Tentative schedule is for the project to begin this November and be completed May 2015.

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 the allowing for ground water to enter the sewer system. Next year closed circuit video monitoring the private service laterals using

Mittawanga Infiltration/Inflow Study (Continued)

CCTV 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 are working on 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 and then dispose of the dewatered 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 will explore installing our own sludge dewatering equipment at the Huron Basin Wastewater Plant for ultimate sludge disposal at the Erie County Landfill.

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. Estimated construction cost is \$490,000. Bid opening is scheduled for October 30, 2014. 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 and the District has several meetings set up with Communities to ask questions and receive feedback. The District is currently working on the 2015 Erie County Management Plan, and will keep the Policy Committee and Board of Directors up to date with progress. The District is also working on the 2015 Budget requests and working with Pete Jackson to finalize any 2014 Budget topics.

The Environmental Education Intern is working with Ohio EPA to write the Districts Outreach and Marketing Plan. This plan helps show the District where they are deficient in reaching the five target audiences required by Ohio EPA and how to address the deficiency.

District Activities:

- The District attended Harvest Happenings and despite the inclement weather over 4,500 people were in attendance over the two day event.
- Is partnering with Erie County EMA, Erie Soil & Water Conservation District, the Erie County Sheriff's Department, and Ohio EPA to provide a Pollution Prevention workshop.
- Updating 2014 numbers.
- Sending out industrial Surveys and preparing 2014 reports