



Lennon, Smith, Souleret  
Engineering, Inc.

Civil Engineers and Surveyors

# LSSE News

*Lennon, Smith, Souleret  
Engineering, Inc...  
one of the region's largest  
engineering units dedicated  
solely to civil engineering.*

Spring/Summer 2012

## LSSE Announces Staff Promotions and New Employees

As part of LSSE's Strategic Business Plan, LSSE announced promotions to the following positions:

- **John Heyl, P.E., CPESC** - Assistant Manager, Civil
- **Larry Lennon, Jr., P.E.** - Assistant Manager, Environmental Design
- **Tim Brett, P.E.** - Assistant Manager, Environmental Planning
- **Bob Firek, P.E.** - Assistant Manager, Municipal
- **Daniel Larkin, P.E.** - Project Manager 2
- **Ryan Gilligan** - Manager, Accounting/Human Resources
- **Jake Bajek, E.I.T.** - Supervisor, Modeling
- **Ryan Contestabile, E.I.T.** - Supervisor, Wastewater/Water Facilities Design
- **Dan Jageman, E.I.T.** - Supervisor, Collection/Distribution System Layout/Design

Congratulations! LSSE acknowledges the hard work and dedication of these individuals. We also recognize the efforts of peers and support staff who have contributed.

LSSE recently welcomed the following new employees:

- Shawn Wingrove, E.I.T., who has a B.S. in Civil Engineering from Louisiana State University, recently became a full-time Resident Project Representative with LSSE.
- Justin Seminsky, graduate of Pittsburgh Technical Institute, recently joined LSSE as a CADD Technician.
- Charles Larzalere, graduate of The Pennsylvania State University Wilkes Barre, recently joined LSSE as an Assistant Surveyor.
- Kerri Hummel, who has an Associate Degree in Computer Aided Drafting and Design from Westmoreland Community College, recently joined LSSE's Greensburg office as a Senior Designer.

## No Debt, No Tap Ban, No Problem!

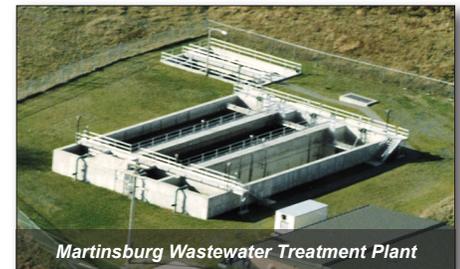
How do you spell SATISFIED? The Martinsburg Municipal Authority has retired its PENNVEST Wastewater Loan, which amounted to 51% of the Authority's annual wastewater system expenditures, ahead of schedule. This happy story does not end there.

In 1992, at the recommendation of LSSE, the Authority undertook a comprehensive upgrade of its sanitary sewer system that included an innovative approach to infiltration and inflow source flow reduction as well as construction of a new advanced nutrient removal sewage treatment plant.

Early in the planning process, in consultation with LSSE, the Authority enacted an anticipatory rate increase for monthly residential sewer rate from \$12 per month to about \$27 per month per EDU. That single rate increase in 1992 was sufficient to fund operation of the wastewater

collection, conveyance and treatment system from planning through retirement of debt this year, a period spanning 20 years. Even with customer growth, the system has never been overloaded either hydraulically or organically since completion of the capital improvement program in 1995.

Where is the Authority today? No Corrective Action Plans, no Tap Plans, no debt, no restrictions, no need for rate increases, and to top it all off – selling nutrient credits! How much better can it get?



Martinsburg Wastewater Treatment Plant

## Project Highlights and New Clients

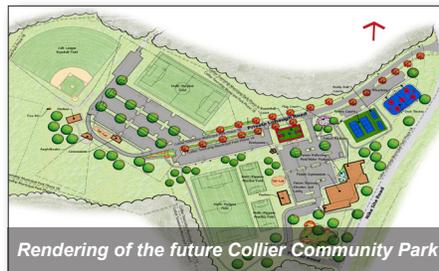
### PROJECT HIGHLIGHTS

■ LSSE is currently providing engineering and permitting services to the Township of Collier for the phased development of the **Collier Community Park**, located on property of the former Charles E. Kelly Support Facility on Nike Site Road. Ten structures at the former Support Facility were demolished in Spring 2012 for construction of Phase IA and IB.

The \$10.4 million Phase IA and IB project will include building basketball, tennis and pickleball courts, a dek hockey rink, multipurpose fields, playgrounds and picnic areas, renovation of an existing 25,000 square foot building to function as a community center and a new attached 10,670-square foot gymnasium.

These two phases are to be completed by Spring 2014. LSSE is providing the following design services for this project: preparation of plans and specifications for demolition of existing buildings; design and permitting for the infrastructure (gas, electric, sanitary and water service); design/redesign of parking areas; design of storm water facilities; and preparation of plans and specifications for the courts and fields listed above.

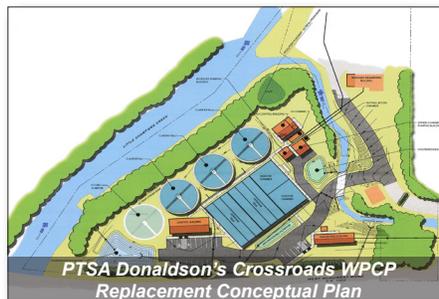
■ LSSE recently completed the **Municipal Parking Lot**



Rendering of the future Collier Community Park



Collier Community Park Groundbreaking  
April 2012



PTSA Donaldson's Crossroads WPCP  
Replacement Conceptual Plan

**Lighting Installation project for the Borough of Coraopolis.** This project included replacement of the lights in the parking lot, as well as repaving of the lot and other streetscape improvements (reconstruction of a patio area, installation of a new greenspace between parking areas, new guiderail and new parking area configuration).

■ LSSE, in association with Hazen & Sawyer, was recently awarded the Peters Township Sanitary Authority project to provide professional engineering design services for the **Donaldson's Crossroads Water Pollution Control Plant Replacement**.

■ **Edinboro University of Pennsylvania (EUP)** recently renewed LSSE's Open-End Professional Design Services Agreement through February 2014. LSSE has provided engineering services to EUP since 2004.

### NEW CLIENT

■ LSSE was recently appointed as **Neville Township's Retained Engineer**. LSSE is providing general municipal engineering services to Neville Township, such as attendance at monthly meetings, land development and zoning reviews, and various engineering services related to sanitary sewers, stormwater, public works, GIS and construction phase services.

LSSE has provided engineering services to Neville Township since 2007, and prior to being awarded the position of Retained Engineer, LSSE provided interim engineering services to the Township.

## LSSE's Lawrence Lennon and Timothy Brett Present: Sanitary Sewer System Wet Weather Planning

On February 9, 2012, LSSE President, Lawrence J. Lennon, P.E., D.WRE, and Project Manager, Timothy D. Brett, P.E., presented a "real world" engineering project to approximately 30 Carnegie Mellon University Civil and Environmental Engineering graduate students. The presentation focused on wet weather sewer planning, a very relevant and hot topic in southwestern PA. An overview of the wet weather planning process was provided to approximately 30 students in attendance, beginning with the installation of flow monitors and ending with an alternatives analysis. The presentation provided detailed information on the flow monitor QA/QC processes, storm deconstructions, RTK development, calibration of a Hydraulic and Hydrologic model and design storm analysis.



## LSSE Assists Clients in Securing Grants and Loans

Over the past few months, LSSE has assisted our clients in securing funding for the following projects:

- The **Borough of Coraopolis** received two grants to ultimately provide full funding for their Municipal Parking Lot Lighting Installation project.
- LSSE recently assisted two clients in successfully securing funding through the Allegheny County Economic Development, Community Infrastructure and Tourism Fund (CITF).

Originally, the Borough was awarded a \$97,000 Economic Development Initiative-Special Projects grant by the Department of Housing & Urban Development. However, after bidding of the project, the final bid cost was awarded at \$124,987, with a budget shortfall of \$27,987. Since the project included separate line items for lighting and electrical improvements which totaled over \$42,000, the Borough then applied for a Power of Light grant. The Borough was awarded the grant to fund the shortfall of \$27,987, which provided complete funding for the installation of new high efficiency street lights in the Borough Parking Lot and completion of this project.

Compared to more traditional high pressure sodium lamps, it's estimated that the high efficiency lamps installed could save Borough residents in maintenance and power consumption costs as much as 43% (when compared to the cost savings of similar changes throughout the Borough)!

**Neville Township** will utilize their \$250,000 grant to make improvements to two sewage lift stations, and the **Coraopolis Water and Sewer Authority** recently opened bids on the Oak Alley Project which provides water and sewer system improvements.

Authorized by the Pennsylvania Race Horse Development and Gaming Act and the Pennsylvania Gaming Economic Development and Tourism Fund Capital Budget Itemization Act, the Allegheny County Economic Development, Community Infrastructure and Tourism Fund (CITF) were established to fund infrastructure improvement projects to promote economic growth. The program is administered through the Redevelopment Authority of Allegheny County.

The application deadline for the 2011-2012 Funding Cycle has passed. LSSE has assisted its clients in the procurement of over \$116 million in funding assistance.

### PaDEP Chapter 109 One Hour Notification Requirements for Ground and Surface Water Supplies:

To access a [comprehensive Chapter 109 index](#), go to:

<http://files.dep.state.pa.us/Water/Drinking Water and Facility Regulation/DrinkingWaterPortalFiles/watersupply/2011 Chapter109 Index.pdf>

## LSSE Principal Joins Rooftop Solar Challenge Technical Advisory Committee

Kevin A. Brett, P.E., Principal/Engineering Manager, was recently invited to join the Department of Energy Rooftop Solar Challenge, Technical Advisory Committee. The project is part of the Department of Energy Rooftop Solar Challenge and is administered by Penn Future. It affects 24 municipalities within Allegheny and Beaver counties and is serving as a pilot project for state-wide implementation.

As a member of this committee, Mr. Brett has been participating in the review of a draft zoning ordinance section which will be used as a template

for municipalities to address rooftop or ground mount solar systems which are being proposed in the Pittsburgh region.

The Technical Advisory Committee is made up of experts in a variety of disciplines applicable to the planning, approval and installation of solar power systems and includes planners, engineers, managers, assistant managers and code enforcement officials, as well as industry designers and installers. Mr. Brett serves as the committee's municipal and civil engineering representative.

## LSSE Helps Support Local Causes

- **Blind & Vision Rehabilitation Services of Pittsburgh Corporate Cup Ski Race, Seven Springs**
- **Making Strides Against Breast Cancer Walk, Pittsburgh**

- LSSE Engineers Eric Beringer and Ryan O'Mahoney, and guests Zolan Cook



*Eric Beringer, Diann Roffe with Baby Cook, Zolin Cook and Ryan O'Mahoney*

and Diann Roffe took first place for the third year in a row representing LSSE in the Blind & Vision Rehabilitation Services (BVRs) of Pittsburgh Corporate Cup Ski Race at Seven Springs Mountain Resort on February 10, 2012. As a sponsor, LSSE donated \$1,000 to benefit the BVRs.



*The Making Strides Team consisted of Phillip Ray, Kimber Rugg (LSSE), Kristen Pinero, Eric Pinero, Sheena Hoover (LSSE), Tim Boyce, Sarah Boyce (LSSE), Aubrey Betts (LSSE), and (not pictured) Jackie Bauer, Leslie Lennon (LSSE) and Deb Chebatoris.*

## Congratulations!

- Aidan Ryan Gilligan was born on October 11, 2011 to Ryan Gilligan and wife, Missy.
- Sarah Boyce and husband, Tim, welcomed baby Isabella Grace Boyce on December 13, 2011.
- Larry Lennon, Jr. was appointed to the Water Environment Federation (WEF) National Disinfection Committee in December 2011.

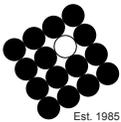
### Lennon, Smith, Souleret Engineering, Inc.

LSSE News is published for the benefit of our clients, associates and friends. Further information can be obtained by contacting Daniel S. Gilligan, Managing Principal/Vice President at (412) 264-4400. [www.lsse.com](http://www.lsse.com) • [info@lsse.com](mailto:info@lsse.com)

Headquarters Office: 846 Fourth Avenue, Coraopolis, PA 15108 • (412) 264-4400 • (412) 264-1200 Fax  
Branch Office: 4536 Route 136, Suite 1, Greensburg, PA 15601 • (724) 837-1057 • (724) 838-9811 Fax

Managing Principals: Lawrence J. Lennon, P.E., D.WRE; Larry W. Souleret, P.E., P.L.S.; and Daniel S. Gilligan  
Principals: Ned Mitrovich, P.E.; Jason E. Stanton, P.E.; and Kevin A. Brett, P.E.

MUNICIPAL | WASTEWATER & WATER | SITE DESIGN/LAYOUT | ROADWAY & PAVEMENT | STORMWATER | PARKS & RECREATION | GIS/MAPPING | GRANTS ADMINISTRATION



Est. 1985

## Lennon, Smith, Souleret Engineering, Inc.

Civil Engineers and Surveyors

846 Fourth Avenue  
Coraopolis, PA 15108