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– *Engineering News-Record magazine*

President's Message

G. MATTHEW BROWN, P.E., DEE, PRESIDENT AND CEO

As we kick off our new branding campaign, you will notice a new look to our communication materials. We hope that our new brand not only brings a renewed image, but conveys an important promise we make to our clients.

We stay *Out in Front*.

These three words represent our commitment to staying ahead of the curve and in front of what's important to you. *Out in Front* means that you can entrust ARRO to leverage the latest innovations, regulations, and best practices to make your project a success.

We remain focused on what's important to you, our clients. We know that our clients choose ARRO because they expect more. Whether it's meeting a compressed schedule, identifying issues before they become roadblocks, or offering service above and beyond your expectations—we will deliver.

We look forward to the opportunities ahead and to working with our clients to deliver solutions to stay out in front of the communities we serve.

LEGISLATIVELY SPEAKING... BILLS TO WATCH

House Bill 72

Would amend the Municipalities Planning Code providing for an educational impact fee and assessment in certain school districts.

What it means to you: This amendment would allow certain municipalities to require that a fee be paid to the appropriate school district prior to approving subdivision plans. These funds would be used for the renovation or expansion of facilities or staffing to accommodate increased student enrollment. Both the municipality and school district would be required to adopt ordinances in accordance with the provisions of this Act.

Bill status: This bill is currently in the House committee on Local Government.

House Bill 2693

Would amend Title 53 of the Pennsylvania Consolidated Statutes.

What it means to you: This amendment would prevent municipalities and authorities from imposing sewer-related fees on property owners before their property is physically connected to the sanitary sewer system and is fully operational.

Bill status: This bill is currently in the House committee on Local Government.

For more information, please visit www.legis.state.pa.us and search by bill number.

Project Spotlight: Shippensburg BNR

THE SITUATION

In January 2008, ARRO completed biological nutrient removal (BNR) for the Shippensburg wastewater treatment plant in Shippensburg, Pa. The Shippensburg BNR upgrade project traces its roots to early 2003 as the Chesapeake Bay clean-up initiative loomed large in the minds of several Shippensburg Borough council members. Earl Parshall, then council president, recognized that wastewater treatment plant projects take years to come to fruition.

Parshall initiated discussions with the engineering and environmental professionals at ARRO to address the Chesapeake Bay Tributary Strategy, which had been identified as the most pressing future issue facing the Borough with respect to its wastewater facilities.

THE SOLUTION

ARRO evaluated various treatment process alternatives based on the needs of the Borough, cost and performance, and determined

the most cost-effective and environmentally sound option to be a conversion of the existing activated sludge process into a multiple-stage biological nutrient removal process with dissolved oxygen control.

THE RESULTS

The Shippensburg plant, designated a phase 1 facility, is targeted for an 85 percent reduction in total nitrogen and total phosphorus by October 1, 2010.

The five-stage biological nutrient removal process qualified for a \$500,000 New or Innovative Water/Wastewater Technology grant from PA DEP's Growing Greener program. Construction commenced in July 2006 and the project culminated in January 2008 when the plant received its final NPDES permit.

The Borough and surrounding municipalities reap the benefits of a modern, environmentally friendly wastewater treatment plant well within the effluent limits of the



Chesapeake Bay Tributary Strategy. Also, the plant was completed and placed on-line without raising customer rates. Parshall praised ARRO's role in the BNR project, "Without the sound counsel of ARRO throughout the design, permitting and grant application phases of the project, I'm not sure it would have become a reality."

For more information on BNR services, please contact: Donald P. Lavine, 717.560.6086.

Newsworthy

ARRO Elects New Board of Directors Darrell L. Becker, Brady L. Flaharty, and Susan L. Long have joined the ARRO board of directors. These ARRO employees will join current board members and fellow employees G. Matthew Brown, President and CEO, and Constance M. Dougher, Senior Vice President, Secretary and Counsel.

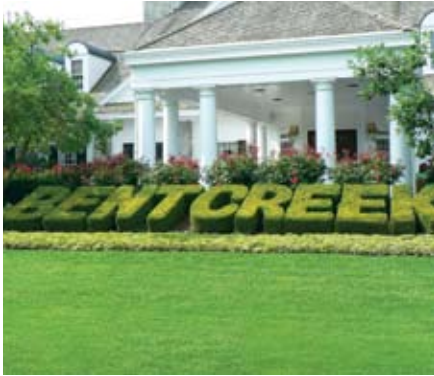
ARRO Sponsors PMAA Employee of the Year Award ARRO is proud to be the annual sponsor for the Pennsylvania Municipal Authority Association's (PMAA) Employee of the Year Award. This year, the award was presented to Joseph A. Dinkel, Assistant Executive Director and Plant Manager for the Municipal Authority of the Borough of West View.

ARRO Kicks In GPS Technology for Soccer Tournament ARRO is providing survey services to the Hempfield Soccer Club (HSC) for field layout for the club's annual tournament. ARRO will utilize GPS technology to maximize the number of fields at each tournament venue, accurately locate fields away from hazards and work with the Club to identify alternate site layouts depending on the needs of the tournament.

THANK YOU TO OUR 2008 GOLF OUTING SPONSORS

Advanced Drainage Systems, Inc.
Caroline Protective Coatings & Linings
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Riordan Materials Corporation
Sensus Metering Systems
Sherwood-Logan & Assoc., Inc.
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Tnemec Paint Company
U.S. Pipe
Victaulic
Watermark

ARRO Tee's Off for Charity



The annual ARRO Golf Outing was held on Thursday, July 31, at the Bent Creek Country Club in Lititz, Pa. One hundred golfers participated in the event, which raised more than \$400 for Clare House.

Among the prize winners were: Andy Levine of our Allentown office for the highest ARRO score; Robert Gill of East Pennsboro Township for

lowest net score; Rosemarie Miller of the East Coventry Township Board of Supervisors won for the longest drive by a woman; Thomas LeMare of Joos Equipment Company won for lowest gross score and Freddy Lutz of our Allentown office won for the longest drive by a man.

The sale of mulligans raised more than \$400 for Clare House. Clare House provides temporary, emergency 24-hour shelter for women and children. The program also provides meals, referrals for child care and substance abuse/mental health and case management services to help women in their transition from homelessness to independent living. Last year, 671 clients were served at Clare House. Of those served, 54 percent were children.

Service Spotlight: GPS

The ARRO surveying department is remaining out in front with the purchase of new GPS technology. The department has recently acquired the Leica System GPS900, which allows for one-man surveying capabilities, less time in the field and ultimately, lower cost for ARRO clients.

SOME BENEFITS OF GPS TECHNOLOGY:

- Less manpower required
- Less time transferring data into Auto CAD
- Less time in the field than conventional methods
- Less chance of error than conventional surveying systems

“While conventional surveying methods are still being utilized by the department, many of our clients are requesting the use of GPS technology,” said Fred Gabriel, Professional Land Surveyor and head of the ARRO surveying department.

ARRO had previously been utilizing a rented GPS, but with the growing need and popularity of the technology, it made sense to purchase the equipment. The equipment has already been put to good use on numerous stakeouts and has aided the ARRO Geographic Information Systems (GIS) department with increased mapping accuracy.

For more information on ARRO GPS services, please contact:

Fred Gabriel
717.560.2764



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CHANGE SERVICE REQUESTED

Welcome to the
NewsFront

Where Sound Thinking Meets Innovation

OUR VISION

To be the consulting firm of choice for local governments, providing unparalleled expertise in civil and environmental services designed to meet all their technical needs.

CORE SERVICES

- Wastewater/Water
- Civil/Municipal

SPECIALITIES

- Geographic Information Systems (GIS)
- Geosciences
- Land Development
- Planning
- Surveying
- Contract Operations

