

# THE GGC

*focus*

Summer 2009

## GGC Engineers Assistance Equals Funding Success for Many Clients!

The race for the federal stimulus funds through the American Recovery and Reinvestment Act (ARRA) is over! After months of application preparation and numerous submittals, the final list of ARRA funded projects was announced on June 8th, 2009. The Ohio Environmental Protection Agency (OEPA) was provided \$275 million dollars in principal forgiveness and loan money to distribute to water and wastewater related, shovel-ready projects throughout the state of Ohio. Though over 1,650 projects were submitted via the recovery.org website, only 332 projects made it to the OEPA's final approval list.

GGC Engineers worked with 13 clients to submit applications for 17 water and wastewater related projects through the ARRA program. In the end, six of our clients were awarded over \$7.9 million dollars allowing their projects to proceed to construction this year. Without these funds, several of these critical projects may not have been able to proceed to construction.

Project receiving funding included the Coshocton County Fresno Wastewater Collection System project that will not only help to keep workers at a local business employed, but will also provide critically needed sanitary sewer service to over 175 residents in the low income area. Another project receiving funding was the Village of Millersport and Buckeye Lake Waterline. After having been talked about for over 20 years, ARRA funding will allow the project to proceed and will help to bring the two communities closer together, strengthening the region.

GGC Engineers' relationship with many of these clients has been longstanding and our work on a number of these projects extends back several years. Throughout that time our staff has worked with our clients to structure projects that will meet their needs, that address regulatory requirements, that allow for reasonable growth into the future and perhaps most importantly that are affordable for the communities that they serve. Our experience and abilities not only within the engineering field but also within the funding realm has served to make these relationships strong over the years. Each step of the way, we worked with the local officials to seek monies through a variety of federal and state agencies to fund the projects and these funds will be blended with ARRA funding as the projects move into construction.

"We are enthused as the funds will do outstanding things for these areas, improving the quality of life for residents and providing for job creation," said Michael S. Carder, GGC Engineers President. "It was truly a team effort," he said.

**(See Page 4 for a summary of client projects receiving ARRA funds)**

### Need Funding \$\$\$ Help????

GGC Engineers has focused our business on assisting villages, counties, and rural utility districts by providing quality engineering, surveying and construction services to meet their needs. A critical part of those services has been our assistance with funding acquisition. GGC has a strong track record with funding, helping more than 90% of our clients obtain funding through various state and federal funding programs. Contact GGC Engineers if you need assistance at (614) 471-7310.



### INSIDE

#### Project Success

*Page 2*

#### Focus on Barbara Anderson, P.E.

*Page 2*

#### I/I Problems Will Never Correct Themselves

*Page 3*

#### GGC Client Chart of the 2009 ARRA/WPCLF Funding Success

*Page 4*

## Big News for the Village of Baltic as Their New Water Treatment Plant Heads to Construction!

The Village of Baltic Council voted in June to award the contract for the construction of their new water treatment plant and well improvement project to Downing Construction Company of Baltimore, Ohio. Five bids were received for the project with Downing Construction submitting a bid of \$1,148,000 which compared favorably to the Engineers Opinion of Probable Cost of \$1,200,000. Previously the village had proceeded with the purchase of the treatment equipment and pumps required via Tonka Equipment Company. With these critical components ready for delivery, construction of the treatment facility can be initiated immediately and the plant will soon become a reality for village residents.

This project was funded through a variety of sources including loan, grant and credit enhancement monies through the Ohio Public Works Commission, a design loan and construction loan through the Ohio Water Development Authority and grant monies through the Appalachian Regional Commission.

Building on our long term relationship with the village gained through our service that included project development, design, funding assistance and bidding, GGC will assist the village with contract administration and observation services as the project moves into the construction phase. Construction of the plant and related improvements is scheduled to start mid-July and is expected to extend for approximately nine months.

### *Focus on... Barbara Anderson, P.E.*

In the summer of 2008 GGC Engineers welcomed to its staff Ms. Barbara R. Anderson, P.E. Since then Ms. Anderson has been working as the lead project manager for the Village of Baltic Water Treatment Plant Project and has been involved with several other projects including the Village of Lithopolis Columbus Street Reconstruction project.



A graduate of the Ohio State University, Ms. Anderson comes to GGC Engineers as a Senior Project Manager with more than 25 years experience in the areas of concept development, detail design, contract administration, and client relations. Her project history includes a variety of municipal infrastructure projects, water treatment projects and an extensive list of rural water projects. Prior to joining the GGC team, she previously worked at Strand Associates, Inc. and SIECO, Inc. for more than 20 years. Ms. Anderson's knowledge of design standards/requirements, funding availability and agency interaction make her an excellent addition to the GGC team.

Ms. Anderson lives in Lancaster with her husband John and their daughter, Katie, who is entering her senior year as a civil engineering student at Rose Hulman Institute of Technology in Terre Haute, IN. When not working, Ms. Anderson is active in groups including the Girl Scouts and Alpha Phi Omega National Service Fraternity, a national collegiate based organization that promotes leadership development and service.

We are proud to have Ms. Anderson, P.E. as a GGC Engineers team member and look forward to her leadership on future successful projects!

## Inflow and Infiltration Problems Will Never Correct Themselves

Inflow and Infiltration (I/I) is present in all sewer systems and can create a variety of operation, maintenance, and regulatory agency compliance problems. The problems are a result of **inflow** of storm water runoff that enters a sewer system through illegal clean water connections, leaky manhole lids, and similar sources and **infiltration** of groundwater that enters the sewer system through falling pipes, pipe joints, leaky manhole structures and any other deteriorated underground parts of the system. For many communities this leads to significant expenditures in operation costs, rehabilitation costs, and even costs associated with OEPA enforcement fines. Another consideration is that unaddressed I/I can completely consume the extra capacity in a sewer system that is provided to accommodate future development.

GGC is working on several different I/I projects intended to find and mitigate the I/I sources in our clients sewer systems. Our staff has all the tools and equipment they need to complete a variety of sewer investigations including, confined space entry into manholes for flow monitoring and manhole inspection, smoke testing, and dye testing. GGC also works with several qualified sewer televising companies to gain an inside view of the problematic sewers.

GGC is currently working with the Walnut Creek Sewer District (WCSD) to resolve the I/I problems that the OEPA has mandated they address. The WCSD is located in Northern Fairfield County and serves the Village of Pleasantville and Thurston. The WCSD operates and maintains a sanitary collection and treatment systems serving approximately 500 customers from these Villages and the surrounding areas. The collection system is heavily burdened by I/I, which results in overflows at the pump station and inadequate treatment at the treatment plant, which lead to the OEPA mandate.

GGC Engineers recently conducted an I/I analysis on the complete system to determine the location of the I/I so that it can be mitigated. GGC conducted and coordinated all flow monitoring, smoke testing, dye testing, and televising to collect the data needed for the analysis. The results and subsequent recommendations of the analysis were compiled and presented in a report to the OEPA, which approved of the recommendations upon the initial review. The recommendations were based on economical solutions to achieve the district's goal, which is to maintain OEPA compliance and mitigate the effects of I/I in its sewer system. The solutions included joint grouting, limited sanitary sewer relining, manhole rehabilitation, sanitary sewer point repairs, cross connection elimination, private source I/I removal, and various other mitigation measures.

Equipment is an important part of the I/I analysis process, but perhaps a larger part is having an experienced staff. Michael Betts, P.E., is project manager for the I/I projects and directs a field staff that has the required experience and **OSHA confined space entry training and certifications** necessary to perform sewer system investigation work. He also assists our clients with EPA negotiations with regard to mandated I/I removal projects in order to establish reasonable project timelines that allow us to secure the best funding plans possible for the projects.

Time is critical with I/I because the problem will never correct itself. Developing a comprehensive plan to address the problem in an economic way is a critical first step. Please contact Mr. Betts at 614.471.7310 to discuss how GGC can assist you with your I/I problems.



# GGC Engineers 2009 ARRA/WPCLF Successful Funding Chart



Client	Project	ARRA Funding	WPCLF Funding	Total
Walnut Creek Sewer District	Wastewater Plant Improvements	\$956,960	\$956,960	<b>\$1,913,920</b>
Village of Millersport	Waterline to Buckeye Lake	\$250,000	\$250,000	<b>\$500,000</b>
Village of Dresden	Distribution /Transmission Main to Trinway Area	\$770,000	\$330,000	<b>\$1,100,000</b>
Village of Shawnee	New Lines and Pumps	\$350,000	\$150,000	<b>\$500,000</b>
Village of Corning	Wastewater Collection and Treatment Project	\$450,000	\$150,000	<b>\$600,000</b>
Coshocton County Commissioners	Fresno and Pearl Wastewater System	\$2,489,787	\$829,929	<b>\$3,319,716</b>



GGC Engineers  
132 North High Street  
Gahanna, Ohio 43230

