

Next Level Mapping

Simple, Powerful, Local Municipal Information Systems

Next Level Mapping's MIS V5.1 is a Simple, Powerful software tool that is revolutionizing the way municipalities operate. In this age of instantaneous digital media, NLM is providing a tool that keeps information at the fingertips of all municipal officials with a click of the mouse which makes it a valuable time saving and cost effective tool for all municipalities.



NLM has taken over 12 years experience working with municipalities to deliver a system built exclusively for municipalities. Our system is backed up by a team that provides un-paralleled support for our clients. We understand the needs of municipal officials and provide on-site training for all in-house staff that will use the system. NLM can easily tailor any of

our systems for the individual municipality. We find it of greater benefit to make our system fit their needs, rather than require their staff to conform to a rigid, standardized structure.

The system is built around two core features that separate our system from any other. First, it is simple to use: if you can surf the internet you can use our software. Second, to run the system all that is needed is an internet connection. Every member of the municipality, from the elected officials to the staff, will have access to system information at the click of a mouse! NL.MIS V5.1 provides all of the benefit and power of a comprehensive Geographic Information System (GIS) without the need to train staff members to be GIS "experts".

We offer tools that every municipal department can use and rely on. We give the municipal staff the ability to continuously input, track and update: Permits, Land Development Applications, Zoning Hearing Board Appeals, Inspections and much more. The Public Works Department can track all aspects of its infrastructure including roads, signs, hydrants, storm systems, sanitary systems etc. and develop maintenance and replacement schedules with little effort. All of these applications are managed through one simple interface. In addition to the mapping and management systems, staff members have the ability to link documents, scans and images as well as generate reports. Every page and application that NLM provides can be customized to each client's needs.

NLM has a history of excellent client care and innovative concept development that are together, integrating computer technology with efficient municipal management. With a commitment to provide the best service to our clients as possible, NLM has gained the services of Matthew Convery, our new Account Manager, who will be responsible for maintaining and responding to client needs and fostering new accounts and relationships. His background is in Municipal Government, marketing, CAD and GIS. He is in the Masters Degree program in Geography and GIS at West Chester University.

The future looks bright for Next Level Mapping as they take municipalities to the Next Level!



WWW.YERKES-ASSOC.COM

YERKES STAFF NEWS

CERTIFICATION

Two members of Yerkes Associates, Inc. Inspection Department have received certifications in building inspection. **Joseph Sofranko** has received his certification as a Residential Building Inspector from the International Code Council. **Jeffrey Cantlin** has received his certification as an inspector for Building One and Two Family Dwelling from the National Certification Program for Construction Code Inspectors (NCPCCI).

Co-CHAIR

William C. Wermuth, Treasurer of Yerkes Associates, Inc., has been named the Co-Chair of the Board of Directors of Riverbend Environmental Education Center. Riverbend operates a 30-acre campus in Gladwyne, Pennsylvania and its full-time staff provides educational services to 10,000 school children a year.

CONFERENCE

Next Level Mapping, LLC will be hosting an information table at the Pennsylvania State Association of Boroughs Fall Leadership Conference on October 20 - 22 at the Lancaster Host. See the latest information on techniques and products and services that are available for Municipalities and Boroughs.

For more information contact the Lancaster Host at **(800) 232-7722** or Next Level Mapping, LLC.

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Yerkes STANDARD

Municipal Edition

YERKES...

SERVING MUNICIPALITIES IN OUR REGION

Development, preservation of open space, and the maintenance and expansion of infrastructure are major issues that municipalities must address on a daily basis. A vast array of professional disciplines and services are necessary to successfully manage these issues. The disciplines and services include land surveying, civil engineering, site and building inspections; GIS mapping; organization, storage and retrieval of information; and specialty environmental services.

Maintaining the in-house staff needed to oversee these activities is beyond the ability or capabilities of most Townships or Boroughs. Today, over 20 municipalities and authorities use Yerkes Associates to provide these services to assist their municipal officials and staff. Our more than 20-person municipal engineering, inspection, and sewer/waste management group perform this work on a daily basis. We also attend and participate at Planning Commission meetings, Supervisor's meetings and Zoning Board hearings.

In addition, we have another 25 personnel and our Next Level Mapping subsidiary that act as a resource and back up to the full time municipal team. The latest computer and design technology, telecommunications equipment and a fleet of over 14 vehicles is ready, utilized and in motion at all times. **Call Yerkes to serve your Township or Borough.**

YERKES MUNICIPAL LEADERS



John B. Yerkes, Jr., P.E.
Chairman



Al Giannantonio, P.E.
President



David V. Linahan, P.E.
Senior Vice President



Michael R. Conrad, P.E.
Vice President



J. Russell Yerkes
Vice President

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SEWAGE MANAGEMENT PROGRAMS

In Pennsylvania, about 60% of all homes and businesses are served by "public sewers". By "public sewers" we mean a centralized system of pipes, and pumping stations conveying to a regional sewage treatment plant owned by a major municipality, municipal authority or investor owned Public Utility Company. The remaining 40% are served by "decentralized" wastewater systems of which there are many types:

- Septic Systems
- Onsite sewage systems
- On-lot sewage systems
- Private sewage systems
- Individual sewage systems
- Cluster, neighborhood or community systems

There is a growing concern across the Nation about development patterns often referred to as "Sprawl." Many land planners and community leaders are embracing a land planning concept known as "Smart Growth." Among the "Smart Growth" principals are the encouragement of cluster development which offers protection of open space, woodlands, wetlands and farms; and discourage a sprawling development pattern. "Smart Growth" development promotes the decentralized wastewater concept and encourages innovative sewage treatment systems that can use open space areas for recycling of treated water within the local watershed.

In order for this decentralized system to be successful, a "centralized" sewage management program is critical. US EPA uses a term called "Responsible Management Entity" or RME as the legal entity responsible for providing various management services with the managerial, financial, and technical capacity to ensure the long-term, cost effective management of decentralized wastewater systems. In Pennsylvania, the local municipality is responsible to assure the proper operation and maintenance of sewage facilities within their borders (Pa code title 25 §71.71). While the state regulations require municipalities to address the operation and maintenance of sewage facilities in their Official Plans (Act 537 Plans), Sewage Management Programs have not been widely accepted to date.

"A well-managed, properly designed onsite or cluster systems can provide sewage treatment equivalent to a centralized plant and often at a lower cost." (US EPA 2005)

US EPA, in their new "Handbook for Managing Onsite and Clustered (Decentralized) Wastewater Treatment Systems" (EPA No. 832-B-05-001), lists several benefits of an effective sewage management program:

- Reduced costs of repairs, operation, maintenance, and replacement
- Longer system life
- Improved system performance
- Increased reliability and overall satisfaction
- Higher property values

Since April 2005, the Chester County Health Department has required all seprage haulers to electronically report the location, date and volume of seprage pumped from all septic tanks, holding tanks, and the like to the **Chester County Seprage Management Database** via the public internet. The County is storing data and making it available by subscription to municipalities. Next Level Mapping LLC (www.nextlevelmaps.com) has added a Sewage Management component to their standard Sanitary Sewer Module and have also developed a stand-alone Sewage Management Module for those municipalities without public sewers.

For municipalities with PA DEP approved Sewage Management Programs, the State has reimbursed up to 85% of the cost to implement their programs.

INSPECTORS ARMED FOR THE FIELD

In our continuing effort to provide the most efficient and professional services possible to our municipal clients, we are combining the decades of experience in our Municipal Services Department with the innovative software development of our sister company, Next Level Mapping, to produce a hand-held field inspection device for use by building inspectors. The final product is being designed to run on a Windows CE platform in a rugged, field-worthy, hand-held computer.

The hand-held device will be preloaded with inspection forms for all required inspections and will be based on the International Codes Council model codes. The system will not limit the user to just canned, off-the-shelf forms, but is being designed with built-in flexibility to allow simple user modification of any pre-loaded inspection format to be customized as desired, or to create an entirely new format.

Pre-loaded software will provide the complete text of the ICC codes in use by the municipality, thereby enabling the inspector to quote the entire code section in question in the report.

Inspectors using the device will have the ability to preload their inspector registration, as well as their ICC Certifications and insert that information into every report. In this way, municipalities can ensure that state required audits will not find discrepancies in the reporting of inspections.

Inspection results can be field printed for record and signatures. Results can also be uploaded directly from the hand-held device to the Next Level Mapping Permitting Management Module either by a hard wire, infrared or wireless connection. Municipalities that have installed the Permitting Module will obtain the most benefit from this innovative reporting system.



MORGANTOWN OFFICE RELOCATED AND EXPANDED

After more than six years of residence on Main Street in Morgantown, Yerkas has outgrown our satellite office space and has relocated to the New Morgan Corporate Center in New Morgan Borough, Berks County, Pennsylvania. Growth in the Morgantown area has resulted in a "full service" office staffed with Professional Engineers, Professional Land Surveyors and support personnel that can work on a wide array of projects from inception to completion.

Continuing the westward movement that started in Bryn Mawr and extended to West Chester, our newest office in the New Morgan Corporate Center has the ability to serve the civil consulting needs of this quickly growing area. The office also has the ability to expand to keep pace with the growing needs of our present and future clients in that region.

For those not familiar with the Morgantown area, our office is located on the west side of Route 10 less than a mile north of the Morgantown exit of the Pennsylvania Turnpike, which is one exit west of the Downingtown interchange. Follow the Route 10 North signs after passing through the Turnpike toll booth. Call us at 610-913-7342 for detailed directions.

The New Morgan Corporate Center is the site of the former Bethlehem Steel Company's Grace Mine that is currently being developed as the future residential community of "Bryn Eyre". Yerkas Associates, Inc. serves as both the Borough Engineer and Utilities Authority Engineer for New Morgan Borough. For more information on the exciting concept of creation of the new town of "Bryn Eyre", please view www.newmorgan.org on the internet!

We look forward to the new opportunities that will be provided through our expanded services and staff in our new home in New Morgan Borough, Berks County!



From left to right: Gregory P. Dimovitz PLS, Matthew L. Boggs P.E., Don Fritz, J. Russell Yerkas, Jamie Keith

