

Quality Service and Expertise

Lamont Engineers has provided quality services to municipalities for over 30 years, including Infrastructure Engineering and Financing Strategies.

Lamont Engineers is dedicated to the highest professional standards. We approach each project as unique and focus on the objectives of the client. For each project, our firm brings a deep understanding and core respect for the clients we serve.

Phil Smith, P.E., M.S., Environmental Engineer who was formally with NYS DEC for over 30 years, managed the wastewater operator certification, training, and technical assistance (community outreach) program.

He has developed a comprehensive approach for Asset Management Planning (AMP) that applies various USEPA models and software. The Village of Old Forge case study is a good small community example of a successful AMP. It focused on outlining the process of how to do Asset Management Planning and also produced a sample/model plan. Visit <http://townofwebb.org> for their 'Wastewater Infrastructure Asset Management Plan'. Phil has delivered numerous presentations on Asset Management and Capital Improvement Programs.



Town of Prattsville Wastewater Treatment Plant

We use USEPA's software 'Check Up Program for Small Systems – CUPSS'. Hands-on CUPSS training is provided to help staff quickly become users to input inventory data and run reports.



Village of Schoharie Water Treatment Plant



Phil Smith, P.E., M.S., Environmental Engineer
Wastewater Training and Consulting
90 Tompion Lane, Saratoga Springs, NY 12866
Phone (518) 584-3537 Cell (518) 956-1247
Email: philinsaratoga@earthlink.net



Lamont Engineers
LVDV Operations, Inc.

548 Main Street
P.O. Box 610
Cobleskill, New York 12043
Phone: 518-234-4028
Fax: 518-234-4613
www.lamontengineers.com
Email: lamont@lamontengineers.com

Municipal Water & Wastewater Infrastructure Asset Management Planning

Every successful business
has a strategic plan...

Shouldn't **YOURS?**



Protecting, maintaining,
and investing in your
valuable assets



Lamont Engineers
LVDV Operations, Inc.



Phil Smith, P.E., M.S.,
Environmental Engineer



Village of Richmondville Wastewater Treatment Plant

Dedicated to Service...

Committed to Excellence

ASSET MANAGEMENT PLANNING (AMP)

What is Asset Management Planning?

Asset Management Planning (AMP) is a comprehensive planning process for maintaining, protecting, and investing in your water and wastewater infrastructure.

The goal is to maintain a desired level of customer service at the best appropriate cost. Costs are identified for necessary repairs, rehabilitation, and equipment replacement.

Village of Whitney Point Wastewater Treatment Plant



The framework focuses on the following five core questions:

- What is the current state of my assets?
- What is my required sustainable level of service?
- What assets are most critical?
- What are my life-cycle costs?
- What is my best long-term financial strategy?



Village of Richfield Springs Potable Water Storage Tank

Asset Management Planning helps make sound investment decisions, optimizes system performance, and prolongs asset life.

Ten Benefits of AMP

Asset Management Planning provides a sound business-like approach to utility management. This results in a long term plan with affordable financing strategies to ensure that system and capacity needs are met.

1. Reduce long-term annual costs
2. Reduce risk of failure and non-compliance
3. Become a preferred customer of State and Federal funding agencies
4. Make sound/cost-effective investment decisions
5. Prolong asset life
6. Improve system reliability, safety, and energy efficiency
7. Optimize system performance
8. Provide sustainable green infrastructure
9. Develop affordable financial strategies
10. Optimize staff and manpower



Visit the EPA's Sustainability policy at:
<http://water.epa.gov/infrastructure/sustain/Clean-Water-and-Drinking-Water-Infrastructure-Sustainability-Policy.cfm>

AMP Approach

Our comprehensive approach and model involves strong Asset Management expertise, technical assistance, onsite training, and close project coordination with the municipal public works staff.

It is based upon these seven components:

- Asset Management Team - Inventorying - Assess Condition of Assets - Rank and Prioritize Needs - Capital Improvement Plan - Financial Planning - Public Education

The first step is to form your asset management team to include all key players.

The next step is taking inventory - identifying, locating, and cataloging assets. Operations staff should complete this process because they are most familiar with the infrastructure. Hands-on Asset Management Software training is provided to help staff quickly become users to input inventory data and run reports.

Next is determining the condition and the criticality of the assets to help sort out priorities. The Capital Improvement Plan is the heart of the AMP. We help you layout a road map with estimated costs that address those critical assets that need repairs, rehabilitation, or replacement.

Review of sources of revenues, user charges and rates, capital reserves, and funding sources are all part of financial planning. Developing a low cost and 'Home Grown' outreach program stresses the importance of your water and wastewater systems and should include custom billing inserts and local educational flyers.

A sound business-like approach results in a viable long term plan.