

RCAP Project Highlights



Where: Lincoln, ME – Penobscot County

Problem: Create Digital System Map and assist with equipment management

Solution: During the 2012-2013 program year RCAP Solutions assisted the Sanitary District to update and create a digital map of their system. The GIS asset inventory tables are being used for an asset management replacement repair cost schedule for planning capital improvement budgets. RCAP Solutions also installed and provided instruction on free GIS software and free EPA asset management software for the system use. This work will facilitate the system's proper operation, maintenance and offer a beginning to asset management planning, comprehensive budget planning and sustainable rate structure.



Lincoln Sanitary
District Dual-Train
Rotating Biological
Contactor

Lincoln Sanitary District

Digital Mapping & Asset Management

Working with the Lincoln Sanitary District superintendent, RCAP Solutions has completed the first digital system map since 1995. The work has shown the trustees that they are managing over 17 miles of pipe worth \$20M along with 10 pump stations worth \$2.5M. The district has recently completed treatment upgrades. The superintendent now wants to focus on the improving the collection system.

Using the GIS data, RCAP Solutions is assisting the district with the conditioning and replacement costs of the collection system of gravity mains, forced mains, manholes and treatment equipment.

Further, RCAP Solutions has installed CUPSS Asset Management software along with Quantum GIS and instructed the superintendent how to use it. These no-cost solutions allow the district to upgrade their technology and have the flexibility to utilize various digital data formats.

These two projects will help the district resolve needs related to the planning necessary for future operational efficiencies along with providing a long-term financial outlook.

RCAP Solutions works with communities to address a broad range of needs, including community infrastructure, and to promote public, environmental, and economic health.

RCAP Solutions is a member of the Rural Community Assistance Partnership. RCAP is a national network of regional nonprofit organizations that provide comprehensive, on-site technical assistance and training to help small, rural communities address their drinking water, wastewater, and other community development needs.

For more information

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