



Ready for Construction to Begin!



2008 Year in Review



Letter from the CAO



In 2008, the Clean Water Project moved from the planning stage to the bidding and award of significant construction contracts. Construction projects valued at more than \$80 million are slated to begin in early 2009. Work will be done to eliminate combined sewer overflows in Hartford neighborhoods, line sewer pipes to prevent leaks in the towns of West Hartford, Newington, Rocky Hill and Wethersfield, and make repairs to

pipes where segments have failed. All of these projects will support the requirements of the Consent Order and Consent Decree which form the basis of the Clean Water Project.

This work is just the start of many more projects which we will be designing in 2009 for construction in 2010 and beyond.

Proposals have been received for the master plan for the Hartford Water Pollution Control Facility (WPCF) and work on the plan will begin in early 2009. This planning effort will lead to the design and construction of an expanded treatment facility beginning in 2010.

In 2008 we also completed the hiring and training of construction inspectors in order to meet the quality control requirements the MDC demands from construction contractors. These inspectors will make sure that the projects are built as designed with the materials required by the District.

While we continue to improve our aging sewer system, we continuously strive to be cost-effective and as minimally disruptive to your daily lives as possible. This remains our goal in 2009. When complete, the project will satisfy federal and state orders, protect our waterways, and improve the overall quality of life for everyone in our District.

Robert E. Moore
Chief Administrative Officer

Work in (and under) the City

Planning and design work for eliminating Combined Sewer Overflows (CSO) in neighborhoods throughout the City of Hartford kept everyone associated with the Clean Water Project busy this past year. Construction of the projects will be seen in many areas of the City during the next twelve months.

The design work for our project on Edgewood Street is typical of the CSO work to be done throughout Hartford. Our designs require the construction of a new sewer in the street with lines from that pipe to the homes



on both sides of the street. On Edgewood Street the new sewer will carry wastewater to the Hartford Water Pollution Control Facility. Storm water will continue to flow to the existing pipe in the street. On some streets there will be a new pipe for storm water; on others a new pipe for wastewater. Regardless of the purpose of the pipe installed, the result will be the reduction of basement backups, street flooding and the discharge of untreated wastewater to rivers and streams.

The contractor for Edgewood Street has been hired and will begin work in the near future. The same kind of work is currently under design for Burton, Granby, Magnolia, Irving, and Sigourney Streets, as well as neighborhoods in the Franklin Avenue areas.

Another major design effort has been the Homestead Avenue Interceptor Extension project. The design of this project calls for the installation of approximately 3700 feet of 72-inch pipe using a micro-tunneling machine working up to 40 feet beneath the surface of Hartford's streets. The pipe will go under the railroad tracks and I-84 without interrupting your daily commute. Bids have been received for the Homestead work and the contractor is expected to begin work in the Spring of 2009.

Working in the Suburbs

If you are a resident of West Hartford, Newington, Rocky Hill, Wethersfield or Windsor, you probably saw us in your community conducting various tests to determine where the sewer system was leaking and then working to make repairs. In 2008 we pursued work in:

- **Smoke & Dye Testing** – These tests determine the location of cracked pipes and leaky joints in the sewers. Fixing these cracks and leaks stops water from entering the sanitary system (thereby reducing overflow problems after heavy rains).

- **Manhole Cover Replacements** – The MDC replaced manhole covers with ones having fewer openings, repaired seals and lined pipes – another major step to stopping excess water from entering our sewer system. Through the Clean Water Project, more than 3,000 manhole covers will be replaced.

- **Pipe Lining** – In 2008, the MDC lined 35,400 feet of pipe – increasing the effectiveness and lifespan of the sewer. Contracts have been awarded to line an additional 490,000 feet or 92 miles of pipe over the next 18 months!



These repairs are very cost effective, involve non-invasive construction, and ultimately benefit our communities and the environment.

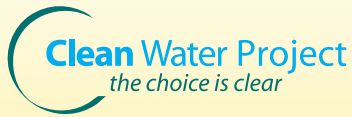


Wastewater Treatment Plant Upgrade

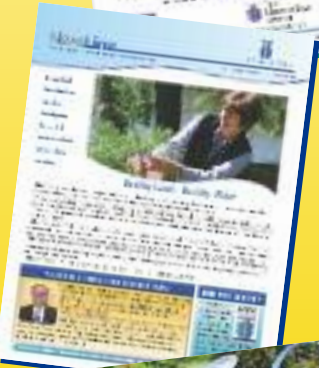
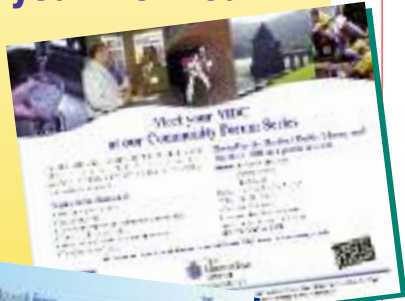


During 2008 the interim Biological Nutrient Removal (BNR) project was completed at the Hartford Water Pollution Control Facility. This work represented the first step for the Hartford plant in meeting the Connecticut requirement to reduce the discharge of nitrogen to the Connecticut River and, ultimately, Long Island Sound. The BNR project will remove approximately 2000 pounds of nitrogen per day, or about 1/3 of the total currently being discharged.

This is only the first of many projects planned for the Hartford treatment plant. In 2008 the District selected an engineering firm to begin the preparation of plans for the improvements necessary at the Hartford facility over the next five years. It is anticipated that more than \$200 million will be spent during Phase 1 of the Clean Water Project to improve treatment facilities and reduce untreated overflows to the Connecticut River.



In 2008, we kept working to keep you informed



Making Connections

As the Clean Water Project engineers plan the pipes and connections which make up the project, we've also been making connections with the people and businesses who will help to make the program a success over the next fifteen years. During 2008, the MDC hosted forums for contractors, businesses and residents to learn about the CWP and the benefits it will bring to the environment and our region. Here is a summary of some of the events in 2008:

- Hosted MDC Contractor Forums for contractors, sub-contractors and materials suppliers, focused on state contracting requirements and the District's bid and construction process.
- Partnered with a coalition of business development organizations to provide technical assistance and business support services for MBE, WBE and DBEs who want to work on MDC projects.
- Facilitated a Business Opportunity Conference and Match Maker Session to bring prime contractors and potential sub-contractors together with the goal of developing business partnerships in the future.
- Hosted community-wide and neighborhood specific meetings to explain the MDC and the Clean Water Project to our customers.



The next time you hear about a CWP meeting consider joining us. We look forward to meeting you and hearing from you.

Funding the Clean Water Project

During 2008, over \$60 million has been awarded or encumbered for Combined Sewer Overflow (CSO) projects and over \$24 million in Sanitary Sewer Overflow (SSO) work with an additional \$11 million committed for treatment plant upgrades and administrative program initiatives associated with the Clean Water Project. These referendum dollars are monitored closely to ensure we are compliant with State and Federal requirements as well as being fiscally responsible to you – our customers.

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