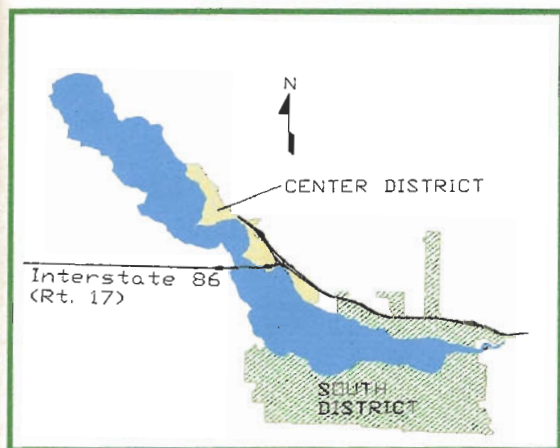


SOUTH & CENTER CHAUTAUQUA LAKE SEWER DISTRICTS



SERVICE AREA

THE DISTRICTS CONNECTION

SUMMER 2005



THE TREATMENT PLANT
ON GIFFORD AVENUE
IN CELORON, NEW YORK

YOUR SEWER DISTRICTS

The South and Center Chautauqua Lake Sewer Districts are an enterprise department of Chautauqua County Government funded only by user charges and fees. The Administrative Board oversees the planning, technical and financial aspects of the Sewer Districts serving more than 5000 homes and businesses. Sewer use rate increases have been less than inflation over the past 25 years. The last rate increase occurred in 2001. Projections indicate no further rate adjustments are necessary this decade, and that an adequate equipment and repair cash reserve will remain.

The Sewer Districts' mission is to provide reliable customer service and highly efficient wastewater treatment to protect Chautauqua Lake. The treatment works is operated by dedicated professionals in a manner that consistently removes 97% or more of the organic and solids load received. This translates into a pollutant removal efficiency that is 80% more than required by State and Federal standards. The sewer system and equipment maintenance mechanics conduct aggressive inspection, maintenance, repair and replacement programs. The annual budget of \$2,700,000 allows sufficient funding to undertake projects and acquire capital equipment as described elsewhere in this newsletter.

An energy use audit and a sophisticated evaluation of major electric equipment were completed this spring at the 25 year old treatment works. The consultants identified areas where new equipment would result in substantial energy savings and what repairs were needed before a failure occurred on the major electrical systems. Approximately one half of the total \$60,000 cost of these studies was supported by grant funding.



Emergency response by staff is available 24 hours a day at 664-9727.

WASTEWATER COLLECTION AND MAINTENANCE



Sewer District personnel maintain 840 vacuum valves, 90 air relief valves, and 175 grinder pumps that help deliver wastewater to the Treatment Plant. Most of this equipment has been in use for 20 years which is considered the reliable lifespan for these devices. A program was initiated last year to replace all vacuum valves with new technology units at a total cost of \$630,000. To date, nearly 20% of the valves have been upgraded and the program will continue over the next several years. The District's 4 main vacuum stations have a total of 20 pumps. These have been replaced by staff at a cost of \$275,000 with more energy efficient pumps. Grinder pumps are being rebuilt at an approved manufacturer's shop and warranted as new. This work began in 2004 and is scheduled for completion in 2007 at a total cost of \$75,000. Air relief valves are rebuilt by staff. The picture above depicts air relief valves before and after cleaning and installation of new parts.

VACUUM

SEWER CUSTOMERS! If you hear constant, hissing air coming from your vent pipe, call us! 664-9727



CRAWFORD LANE SEWER REPAIR

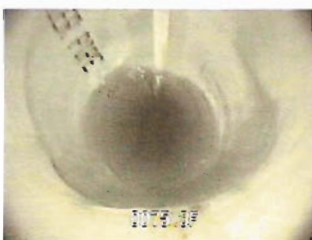
Routine sewer televising inspections during 2003 identified 825 feet of severe pipe deterioration beneath Crawford Lane in Lakewood. A major repair was obviously needed. The 45 year old sewer was 13 feet deep in places with the water table only 5 feet below the street. Frequent televising inspections indicated the line was stable.

Contracted repairs would be necessary and bids were issued so work could be completed prior to the Village's scheduled road improvement. Alternative repair methods included complete replacement by open cut or structural relining the sewer. Work was completed this spring by relining at a cost of \$44,160. The next low bid was for \$100,000 utilizing complete replacement by open cut. The relined Crawford Lane sewer has the equivalent strength of new pipe.

BEFORE



AFTER



GRINDER PUMP SEWER CUSTOMERS!

If you see a red light blinking on one of our control panels, or hear an alarm, please call us! 664-9727



SEWER CLEANING TRUCK



THE DISTRICTS
NEW FLUSH
TRUCK

The Sewer District acquired a new sewer cleaning truck in the fall of 2003. This unit replaced a similar unit that served the District needs for 17 years. The new truck's cost after a \$12,000 trade-in was \$171,000. This "flush truck" is the most important mobile piece of equipment at the District. It simultaneously removes debris from the sewers and pressure cleans the pipes. Foreign materials such as sand, gravel, and grease can result in blockages of sewer flow. Cleaning schedules are determined by closed circuit sewer televising inspections with the video camera purchased in 2001. Known reoccurring trouble areas are scheduled for regular internal inspections and cleaning.

The Administration Offices of the Districts are open between 8:00 and 4:00 pm weekdays except holidays. Billing inquiries may be made and payments will be received during those hours.

If your facilities are ~~not~~ working properly, or are backing up, call us first! 664-9727

