

Sanitary District No. 1

Town of Lyndon Sheboygan County Wisconsin

TO: Sanitary District Property Owners
FROM: Commissioners - Dave Triebensee, James Weigel, Ray Zimmermann
DATE: March 20, 2009

It is our intention with this letter to provide you with highlights of finances and activity in 2008 as well as a budget and planning overview for 2009.

2008 Highlights

Darling Downs Subdivision

There was no activity during 2008.

Repairs & Maintenance

- **February:** Snow plow damaged lift station roof on Ellen View Road. Cascade reimbursed the District for repairs. Electrical upgrades were performed at the same time that the electrical repairs were done. The upgrades were authorized and paid for by the Sanitary District.
- **April:** High ground water, resulting from heavy rains, flooded a resident's basement for several days. The basement flooding flowed into a floor drain and then into the District sewer. Emergency pumping at the nearby manhole was necessary to prevent overflow and backup into other residences. The resident fixed the situation and fully refunded the District for all expenses associated with the added water flow.
- **May:** Pump and flow meters in Lift Station #1 (Harbor Lights Road & Hwy NN) were relocated from the bottom of the station to the top. This eliminated the need for the meter reader to descend 20 feet into the station every other day to record readings. This eliminates potential hazard to meter reader and any associated potential for OSHA violation.
- **June:** Commissioners built a roof over the electrical panel at Lift Station #1, volunteering their time to do so.
- **July-August:** Detected and located substantial ground water infiltration due to a faulty residential lateral connection to the main under Harbor Lights Road. High ground water due to the heavy spring and early summer rains forced an additional several hundred thousand gallons of water into the system.
- **August:** Intermittent problems encountered for several months with Lift Station #3 (west Lake Ellen Drive). Finally resolved with the replacement of vacuum priming pump.
- **August:** Initiated planning work and soil borings with Strategic Municipal Services – the Sanitary District's consulting engineer – for the repair of sagging main(s) and sunken manhole in the Harbor Lights Road area. See "Harbor Lights Repair Project" below.
- **August** – Adopted comprehensive Construction Standards for any work to be performed on the District's system. These are posted on the Town of Lyndon's internet site.
- **December:** Great Lakes TV Seal from Green Bay repaired the leak at the faulty lateral under Harbor Lights Road. They estimated that even though the ground water was down from the high level of last summer, the infiltration was still at the rate of 130,000 gallons per month just prior to the fix. (It costs the Sanitary District \$372 to have Cascade process 130,000 gallons – thus the incentive to fix leaks)

Harbor Lights Repair Project

The sewer main running under the creek between Mud Lake and Lake Ellen (by Harbor Lights Court) has sagged due to the soft peat soils. Since 1992 the District has periodically force flushed the main to keep it from getting plugged. Manhole (MH #6A), from where the sagging main originates, has also been sinking in the soft soils. In 2008 the District's engineer confirmed that MH #6A has settled 12 inches to a point where it is now 4 inches lower than the next manhole (MH #6) fed by the sagging main. The effect of this is that the sewage has to flow uphill from MH #6A through a sagging main to reach MH #6 at Harbor Lights Road. In May the Commissioners decided it was time to fix the problem before the main fails altogether. Given that the sagging main is located in

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