



Headworks® Screens Installed in a Tight Space

Located in the heart of Southwestern Ontario, the City of London has been known to take an active approach in waste reduction. For instance, in the spirit of Canada's waste reduction week, the City of London offers their residents an assortment of incentives to encourage them to participate in their three 'Rs' program: reduction, reusing, recycling (and composting wastes). This plan aims to decrease landfill space and greenhouse gases, as well as heighten water quality, and save their municipality money in disposal costs. With extra savings and a mission to improve environmental standards, the City of London Municipal team planned to upgrade the Greenway Water Pollution Control Centre in September of 2004.

The plan to upgrade the headworks portion of the Greenway plant was required by their need to handle increasing flow from mostly residential and some commercial points. To ensure that they would make a well informed choice for their treatment equipment, the City's decision makers decided to attend the Water Environment Federation Technical Conference (WEFTEC) in 2004. During the conference, they visited many manufacturers' booths including that of Headworks® Inc. After much consideration and thought, the City of London asked Headworks® Inc. for a budget proposal.

QUALITY THAT NEVER QUILTS™

Customer: City of London

KEY FACTS

- **Channel Depth:** 43.11' (13140 mm)
- **Channel Width:** 5.3' (1625 mm)
- **Flow:** 18.15 MGD or 0.8 m³/s

Two MS Bar Screens

Phase 2: 2 additional MS Bar Screens installed



After reviewing the proposal and a presentation made to the staff at the Greenway plant they were eager to move forward as they had already upgraded their grit system and the new system was overloaded with solids. The existing screens had 2" openings that allowed too many solids to pass and were so old that they were no longer mechanically reliable.

The Greenway plant often sees flows as much as 90 MGD and needed screens which would be able to handle this capacity and future increases. To complicate the requirements, they wanted Headworks to design around their four existing channels, two of which were very deep. There was limited room for the new screens and they would need to be installed vertically, at a 90 degree incline. For the first phase of the upgrade Headworks® supplied vertical screens that were 55' long in 4 sections to facilitate installation in a room with limited headroom on the first floor of a two story building. Two Headworks® Bar Screens were successfully installed and have been running to the full satisfaction of the City of London.

