

A WISE CHOICE MADE 30 YEARS AGO



In the early 1980s, decision makers in charge of the City of Vaudreuil-Dorion infrastructures had a sense of vision and made a responsible choice for the lasting benefit of the tax payers. A vision that would ensure durable infrastructures for over 30 years. The technical services, in cooperation with the public works department, decided a major shift for products to be used in potable water distribution applications. Since then PVC has become

“THE MATERIAL OF CHOICE” made by the City to meet the overall needs, taking into account the existing soil conditions throughout the territory. These conditions do not allow the use of metal products, as those would corrode prematurely.

More than 30 years later, the City keeps on growing and improving the quality of its infrastructure.

At that time, the City had some 10,000 inhabitants. Following the merger of Vaudreuil and Dorion in 1994, the technical services have oversaw many major projects, including the expansion of the water treatment and filtration plants, substantial modifications to road networks and construction of residential projects, industrial parks and commercial centers. Today, 30 years later, the face of the City of Vaudreuil-Dorion has undergone considerable changes, relating both to



PVC has been massively used in our city since 1981, the date of our technical division establishment for the former City of Vaudreuil and also the date of taking up my duties in the City. At that date, we then decided to use PVC for service piping and potable water and sanitary sewer systems. The main reason for the selection of PVC pipe for service piping and potable water systems is that our subsoil, due to its proven high electrical conductivity, is highly aggressive for lines made of metal, iron, etc... During the 1960s and 1970s, we built our potable water systems with iron, ductile iron or steel piping and many leaks had to be fixed during the 1980s and 1990s. We therefore implemented a rehabilitation program almost 20 years ago. The use of PVC pipes, together with PVC fittings, allowed us to solve all of these problems and we are more than happy about the results of our decision.

Marc Côté

T.P. and Head of the Technical Division

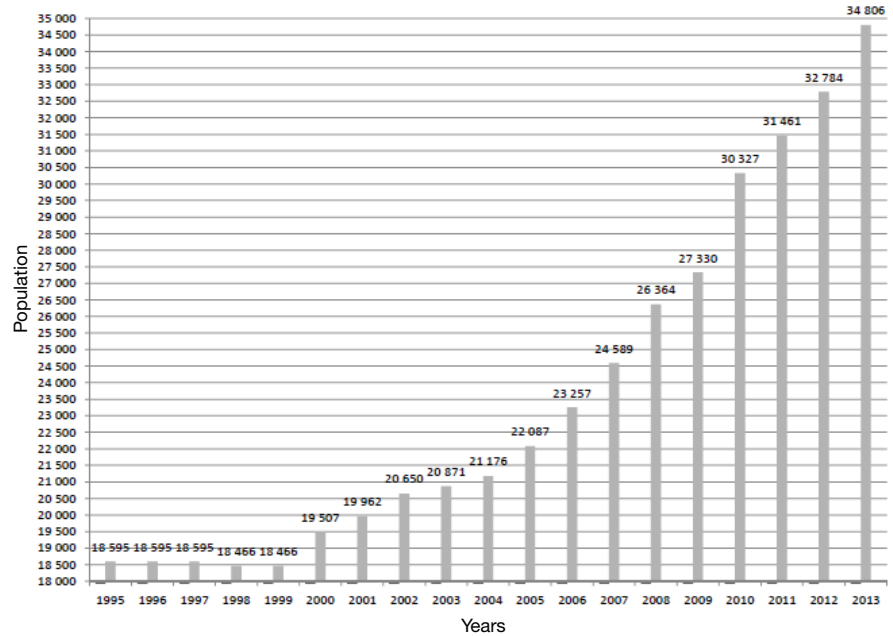


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Vaudreuil-Dorion population growth since 1995

residential, commercial and industrial sectors.

Due to its geographical position, Vaudreuil-Dorion has been experiencing, for the last few years, a major and continuous growth. Between 2006 and 2011, the population in this City has increased by 29,1%, creating multiple challenges. According to the last provincial census, the current population was 34,806 inhabitants.



Source: Annual Order in Council made under section 29 of the Act respecting municipal territorial organization (R.S.Q., c. O-9)

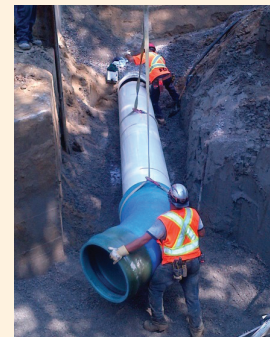
With this demographic growth, for the last few years and in the coming years, major infrastructures have to be upgraded and modernized. In 2012, a second potable water transmission line was built, again of PVC pipe, as well as a new water intake in the Vaudreuil Bay, where the flow rate increased from 16,000 cubic meters/day to 40,000 cubic meters/day. And, of course, such an increase of the potable water volume means a subsequent increase in waste water volume.

Thus, in order to meet the required waste water treatment capacity, extensive work was conducted from July to October 2013 at the waste water treatment plant. This work is briefly described as follows:

CONSTRUCTION OF A NEW SANITARY SEWER OUTFALL AT THE TREATMENT PLANT (PACKAGE N° 3)

In the spring of 2013, the City of Vaudreuil-Dorion received bids for the construction of a new sanitary sewer outfall at the treatment plant. The project included, but not limited to, the following construction work:

- Sanitary sewer outfall, constructed of **PVC, DR-32,5, 600mm** in diameter and approximately **1,225 meters** in length, using gasketed joints. Installation will use an open trench;
- Installation of cleaning chambers and valve chambers;
- Connection under pressure;
- Partial rebuild of existing water service line inlets.



This work scope included all the required connections to existing equipment at the treatment plant and to the existing concrete-steel outfall, 750mm in diameter.

When bids were opened, the lowest compliant bidder was ALI EXCAVATION INC from Salaberry-de-Valleyfield, with a total amount of \$2,584,241.91, including taxes.



Since the beginning of the work, we observed that the contractor team in place paid a close attention to installation, applying IPEX recommendations, including material compaction and placement, using the proper insertion line into the bell when assembling pipes and fittings, a truly professional job, CONGRATULATIONS!



Today, the City of Vaudreuil-Dorion keeps investing in these infrastructures in order to improve the quality of life of its citizens, still following the choices made 30 year ago, specifying materials like PVC to meet the requirements of all of the municipal projects.



IPEX is fortunate to have a demanding client like the City of Vaudreuil-Dorion, since our company has always been CLIENT-ORIENTED. As long as we satisfy our clients by meeting their needs and requirements, we shall have success. Our commitment to excellence means that we complete each project with a total responsibility, reliability and integrity, through our large distribution system and the most comprehensive sales and support network in the industry. MANY THANKS to the City for having confidence in our industry for more than twenty years.