PRESS RELEASE

Incledon assists Ekurhuleni in regenerating ‘disaster zone’ within weeks

Leading fluid conveyance solutions supplier Incledon has played a major role in ensuring that an emergency sewer upgrade was completed on time and within budget in a declared disaster zone in the Ekurhuleni region of Gauteng.

5 June, 2012: Ekurhuleni Metropolitan Municipality successfully completed a R13-million emergency sewer upgrade in the Klippoortjie area with the assistance of Incledon, after the area was declared a disaster zone following considerable leakages in the existing and outdated pipeline.

Incledon was contacted in April 2012 to urgently supply more than 1 600 m of 1 000 mm diameter steel-reinforced spirally wound high-density polyethylene (HDPE) sewer pipes to replace the existing concrete pipeline. Installed in 1935, the existing concrete pipeline had to be urgently replaced after it had been severely corroded due to toxic gases created by the raw sewerage, which had begun to spill into residential and agricultural land.

Ekurhuleni Municipality professional engineering technologist Oupa Matshate points out that the area was immediately declared a disaster zone in early April following the spillage of the sewerage, which created serious health and safety concerns for residents in the area. “We urgently required the delivery of a suitable pipeline, and Incledon was able to meet our demands in an exceptionally swift and professional manner,” he explains.

The steel-reinforced spirally wound HDPE sewer pipes that were supplied to the project by Incledon are manufactured by Amanzi Starway (Pty) Ltd, a leading local specialist in the manufacture of high-quality drainage and sewer pipes. Matshate notes that the Amanzi Starway brand was selected for the project, due to its excellent corrosion and wear-resistant properties.

“At the time of installation, concrete pipes were recognised as the best material for sewerage pipes. After more than 75 years of operation, however, the concrete had been corroded as a result of prolonged exposure to toxic gases such as hydrogen sulphide, methane and carbon monoxide,” he continues. “Amanzi Starway’s high-quality HDPE piping was selected as the product of choice, due to the fact that polyethylene is a non-polar high-molecular weight hydrocarbon that is highly-resistant to chemicals and other media such as salts, acids, and alkalis.”

Due to its high ring stiffness and axial flexibility of spiral reinforced HDPE pipe, Matshate highlights the fact that the Amanzi Starway steel reinforced HDPE pipe is able to relieve the excessive stress caused by soil settlement, groundwater floating and excessive loads through elastic deformation, which prevents leakage and damage at the joints. “What’s more, the pipes are considerably lighter than a large number of alternative materials in the market, thereby easing the process of transport and installation, while reducing associated overhead costs.”

Incledon departmental head of infrastructure, Ian Geldard points out that the Amanzi Starway is one of the most highly respected pipe manufacturers in the local market. “Incledon had no hesitation supplying the Amanzi Starway brand to the Klippoortjie emergency sewer upgrade project, as the pipes are of the highest quality and are manufactured according to SANS 674:2010 specifications.”

Geldard adds that the pipes are manufactured with a steel reinforced polyethylene profile that is formed by integrating HDPE with steel strips by means of an integration machine, which allows for Ring Stiffness rating up to 8, 10, and 12.5 kN/m². “The profiles are spirally wound and fusion-welded
by HDPE melt at the profile edges, which is overlapped by a winding and welding machine to form the pipe. This pipe is of a spiral structure with concentric steel reinforced HDPE ribs, which are equidistantly distributed around the circumference of the pipe, extending vertically outward from the basic pipe body.”

Matshate points out that the Klippoortjie emergency sewer pipeline upgrade project was divided into three phases, with all contract work completed by Baatshuma Electrical within one month. “The first phase of the project involved the installation of 425 m of piping, while the second phase saw 777 m of piping installed, and phase 3 had an additional 2 700 m laid. The contractors did a fantastic job in ensuring that the emergency sewer pipeline was rapidly installed to urgent deadlines, while still maintaining the highest standards of quality and workmanship on a consistent and around-the-clock basis.”

Incledon sales representative for civils, Robinson Patji explains that the company delivered all the 12-m-length pipes for each phase of the project within 14 to 30 days of Ekurhuleni municipality placing the order. “We were able to ensure the timeous delivery of the pipes as a result of our strong working relationship with both Amanzi Starway and Ekurhuleni Metro, whose exact product specifications are stored in our database to ensure prompt service delivery,” he says. “Delivering the pipes in 12-m-lengths also sped up the installation process, as less jointing was required, while transport and handling was simplified.”

Matshate has hailed the Klippoortjie emergency sewer upgrade project an overwhelming success. “A good working synergy between all parties involved has ensured the swift and professional installation of a world-class sewer line, and the complete transformation of a disaster zone. We will now be working closely with a number of additional partners to monitor the state of the environment that was affected by the leakage, and will undertake long-term rehabilitation measures when and where necessary.”

Having successfully supplied large volumes of piping products to numerous municipalities across South Africa, Geldard is confident of what the future holds for Incledon. “Incledon has been recognised for over 10 decades as a preferred supplier to municipalities nationwide, due to the company’s excellent reputation for providing top-quality products that are backed-up by unrivalled after-sales support,” he concludes.

**Ends**

**Notes to the Editor**
There are numerous photographs specific to this press release. Please visit [http://media.ngage.co.za](http://media.ngage.co.za) and click the Incledon link.

**About Incledon**
Incledon stocks over 14 000 preferred products and provides a wide range of approved and highly recognised brands of pipes, fittings, valves, flanges, rigid pipe working tools & threading machines, HDPE, compression fittings, pumps, electro-fusion fittings, windmills, sprinkler systems, water meters, residential, commercial & golf irrigation systems, plumbing products and related products used in the engineering, mining, municipal, civil, plumbing merchant and irrigation markets. Incledon supplies products utilised in the conveyance of water, gases and liquids.

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