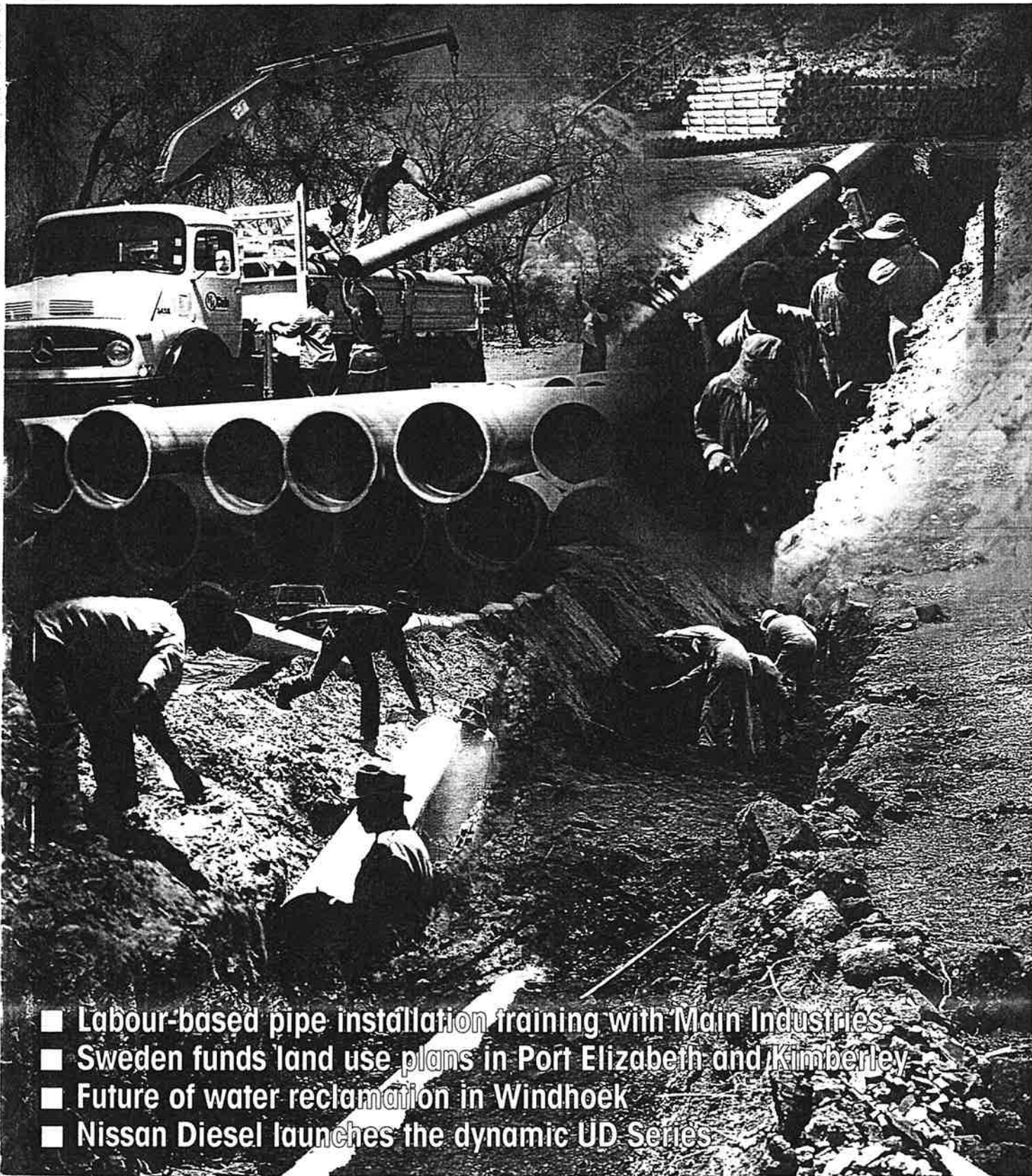


URBAN MANAGEMENT

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THE ENGINEERING JOURNAL PROMOTING SOUND MANAGEMENT IN LOCAL GOVERNMENT



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- Nissan Diesel launches the dynamic UD Series

SeaQuest launched in South Africa by Excelfirst to fight pipeline corrosion

Iron and scale corrosion and lead and copper levels in potable water distribution systems could be a thing of the past thanks to an extensively tested American product which was recently launched in South Africa.

SeaQuest, manufactured by Aqua Smart, Inc. of Atlanta, Georgia, USA, controls and removes scale and corrosion from pipes, provides a protective coating to prevent further corrosion, and reduces lead and copper levels to well below statutory limits.

Mr Robert Siaens, director of Excelfirst, the UK-based company which became the sole distributor of SeaQuest in the UK in June 1996, and in South Africa in June this year, spoke to Urban Management.

He said he had made contact with delegates from South African water boards and from the Department of Water Affairs and Forestry, who expressed preliminary interest in SeaQuest, at the American Water Works Association's annual conference and exhibition in Atlanta.

Following the success of the product internationally and the initial interest displayed in the product locally, SeaQuest was launched in September.

Approved in the UK

Approved in the UK by the Drinking Water Inspectorate and the Scottish Office Environment Department, as well as in several other countries, for use as an additive to drinking water, SeaQuest has attracted much interest from the water industry in Britain, as well as from large water users in industry in general.

SeaQuest was first used successfully in the UK earlier this year for the descaling of liquid sodium hypochlorite injection lines.

It was introduced to the UK water industry as part of a WRC Club Proposal (Water Research Centre, Swindon), a collaborative approach by which a number of water companies with a common interest club together to carry out trials prior to introducing a new product into general, full-scale

use. Of the 10 Club members, seven have started or are about to start tests and field trials, together with several other non-Club water companies, to assess the effects of SeaQuest on cleanout of both tuberculation and scale, corrosion control, softening of water, elimination of red and black water, and the suppression of plumbosolvency.

Developed over two decades

Developed over two decades in the USA and launched there in 1991, SeaQuest is now in use in more than 22 States as well as in Argentina, Australia, Belgium, Brazil, Canada, France, Israel, the Philippines, Poland and Taiwan.

SeaQuest is a granular blend of complex inorganic phosphates which, when added to water, controls scale deposits and iron corrosion in pipes, valves and other equipment by sequestering iron, manganese and all divalent metals, suppressing lead and copper and softening water. Red and black water is eliminated. It is effective at pH levels of 5-11, allowing lower pH levels, which reduces the potential for THM formation. It provides optimum corrosion control without the need for pH control.

Advantages

Mr Siaens listed the following advantages at SeaQuest:

Mr Siaens said, "Iron corrosion and scale deposits represent a major problem for the water industry around the world.

The introduction of SeaQuest to the South African market could have a profound effect on water quality and the overall efficiency of water supply distribution systems."

Being a safe, non-toxic blend of NSF-certified, DWI approved complex inorganic phosphates, SeaQuest, when added to both surface and borehole waters, will:

- eliminate red and black water
- prevent scale build up
- soften slowly over a period of time and eventually remove existing scale and/or corrosion present in pipes, valves and equipment without the need for additional products
- coat interior surfaces of metal lines and equipment with a monomolecular, non-building protective film, minimising further corrosion
- increase line pressure
- reduce electrical pumping costs
- reduce pump replacement
- reduce pump failure
- stop corrosion and/or scale induced valve leaks
- eliminate fixture and clothing stains
- increase hot water tank life
- minimise water meter malfunction and failure
- reduce potential for bacterial contamination
- minimise lead and copper leaching, thereby providing very low lead and copper levels in the drinking water at the tap.

NOTE FROM THE EDITOR

SeaQuest has had to overcome the scepticism of the conservative water industry in the United Kingdom. The product has been reported on in many of the country's top specialist journals.

In the April 1997 edition of Water Services, it was reported that British water companies are carrying out their own independent trials on the product. It was said by Dr Paul Conray, who was co-ordinating the field test programme that if SeaQuest lives up to the manufacturers claims it will be a superb product.

The same article reports that subsidiaries of Lyonnaise des Eaux are using SeaQuest in France, South America and the Far East.

Urban Management would welcome any feedback from South Africans who have tested this product under South African conditions. □



**PIPELINE CUTOUTS, BEN AVON/BEN EDEN LUXURY APARTMENT COMPLEX
BENMORE GARDENS, SANDTON, SOUTH AFRICA**

Before and after **SeaQuest** dosing, approximately 12 months after the start of dosing
SeaQuest dose rate = 0.75 ppm