

## Water and Sanitation in the News

### War on leaks training begins

The first intake of trainees of the recently launched War on Leaks Programme officially started their training programme on Monday. The War on Leaks Project was launched by President Jacob Zuma on 28 August 2015 during an event held at Dan Qeque Stadium, in Port Elizabeth. The launch followed the announcement made by President Zuma during his State of the Nation Address in February this year, where he said that government would launch the programme, which is designed to train young people to curb water losses that are costing the country R7 billion a year.

He said that through the Department of Water and Sanitation, 15 000 artisans or plumbers would be trained to fix leaking taps and pipes in their communities as part of promoting water conservation. A three-phased approach has been identified for the recruitment, training and deployment of the plumbers, artisans and water agents over the project period. The distribution in terms of numbers recruited, trained and deployed over the five year project period will include a 3 000 intake in 2015, 7 000 intake in 2016 and 5 000 intake in 2017 to make up the total of 15 000.

The Deputy Minister of Water and Sanitation, Pamela Tshwete, will on Monday officially meet the first intake of trainees of the programme. The event will take place in East London, Eastern Cape, where part of the initial 3 000 selected learners will start their training. The rollout of the training will take place across the country where the recruits are going to be trained as artisans, plumbers and water agents.

Source: [Infrastructurenews.com](http://Infrastructurenews.com), 29 September 2015

### Preventative Maintenance Principles & Guidelines: Week 8

#### General Maintenance Guidelines

Numerous water and waste water treatment works and infrastructure (including reservoirs, pump stations, distribution network pipes, etc.) are much more than 20 years old. Consequently, most supplier's guarantees have expired, manuals are lost, and standard operating procedures are not in place, etc.

It is, however, important to start somewhere (with maintenance procedures), as all old equipment currently in use are still very critical to the delivery of sufficient quality & quantity drinking

and treated waste water. In such cases, general maintenance guidelines should at least be applied. For instance, some general guidelines regarding **gear boxes** are:

### Gear Boxes



#### Gear Boxes – Monthly

- Clean any dirt/oil/contaminant
- Check for excessive vibration, noise & temperature
- Check oil level
- Ensure mounting bolts are properly tightened
- Examine for any mechanical damage or corrosion
- Remove corrosion & paint

#### Gear Boxes - Annually (Depending on usage)

- Strip down
- Clean all parts thoroughly
- Examine bearings if rough replace; alternatively clean & re-grease
- Reassemble and ensure free rotation of shaft
- Refill with new oil

Source: [Outcomes from Advanced Technical Process Controllers' Workshops 2011 & 2015](http://www.wamsys.co.za)

The **Municipal Assistant™** system was specifically developed for local conditions to provide South African municipalities with the necessary tools to ensure the sustainable use and management of their water infrastructure. The Asset Module of the MA™ System will automatically calculate the current replacement cost and remaining life span. Another important aspect to the asset module is the **reactive and preventive maintenance scheduling**, as well as equipment assessment.

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