

Constraints in meeting legal requirements

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DWAF : ECR

DWAF as Implementer to



DWAF as Regulator & Supporter

- DM's, LM's, WSP's, Industry & private developers have authority & responsibility for Waste water infrastructure & Service Provision.
- But these organisations have many responsibilities and severe lack of capacity in:
 - Warm bodies,
 - Skills & Experience,
 - Financial & other resources.

- Unless DWAF is serious about regulating, then we can't expect LA to be serious about complying!
- Water Services Authorities must be responsible for performing Regulation of their own works and Water Service Provider works. They are the Authority & DWAF the Auditor!

Warm Bodies

- Not enough Posts,
- Not all posts filled.
- High demands for meeting attendance,
- High staff turn-over in management posts,
- Works are often on out-skirts of town and not visited frequently enough
- – (staff don't do what you **expect**, they do what you **inspect**)

Skills

- Insufficient Mentors,
- Higher turn-over of skilled person,
- Loss of institutional knowledge,

Poor Performance in ECR

- DM Sewage Works (55) 75% compliance
- DM Waste Man.(30) 40% Permitted
- Local City (Pump St.) 65% Failed
- Insufficient funds for Operation & Maintenance,
- Drinking water quality: 6/16 WSA reporting with many failures (SANS 0241),
- Concern that short term involvement limits long term plans.

Infrastructure

- Assets that need to be maintained and upgraded.
- Minor issues often become major failures because infrastructure is not maintained effectively.
- We do still experience misuse & vandalism of infrastructure.
- Operational instructions & manuals are not retained and handed down to successors.

Water Conservation & demand Management

- Reduce Water Wastage,
- Reduce Unaccounted for Water Usage:
 - Loss from leakages,
 - Illegal connections,
 - Poor billing & cost recovery.
- Delay Costly Water Scheme / Works Upgrades.
- Reduce sewage treatment cost / upgrade.

Water Resource Management

Responsibilities of DM's

- Land Use / Rezoning as it affects the catchments of our Rivers.
- Stormwater management. Origin of river flows,
- Human settlements – Major impactors on WR,
- Treatment & safe disposal of sewage.
 - Flush and on-site (consequence of level of service),
- Solid Waste Disposal Sites. (inc. cemeteries)
- Industry, Mining, Abattoirs, Feedlots, etc.
- Pollution incidents and other disasters.
- Water Conservation & Demand Man. in Water services.