



# ***FETWATER III***

*2<sup>nd</sup> annual workshop 23 February 2016*

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*Water Resource Infrastructure*



# **Priority Occupations – Water Resources Infrastructure**

- Water Infrastructure Practitioner
- Water Reticulation Officer

# Priority occupations –2015

Network	Water resource planning and Implementation	Regulatory requirements	Water Monitoring And Assessments	Institutional Management and water governance	Water Infrastructure	Water Use And Sanitation
Priority Occupations	Water Resource Practitioner	Water Use Specialist	Water Quality Analyst (Enforcement Practitioner)	Water Liaison Specialist	Water Infrastructure Practitioner	Sanitation Coordinator
	2015-134901	2015-214301	2015-213306	2015-243201	2015-134918	2015-121905
		Water Allocation Officer	Water Inspector	Water Liaison Officer	Water Reticulation Officer	Process controller
		2015-335905			2015-642605	2015-313203
Rationale	1. Strategy development based on NWRS 2. Planning & Resource management	Reconciliation Verification , Licensing	Monitoring plans, Audits for compliance, enforcement action	Liaison with public on CMA strategies and WSDP development plans , Institutional & program development Communication and Councillor training Community Liaison WCDM, River health and Sanitation.	feasibility, construction , rehabilitation, asset management - Internships MISA requirements	Coordination of Sanitation and pollution programmes in informal settlements
		Sampling, data logging instrument maintenance	Monitoring and audits for compliance, enforcement & sanction	Community Liaison, WCDM, River health and Sanitation	Water Leaks & bulk Infrastructure – No drop requirements	Regulation 17 Professional designation Blue drop, Green drop Standardizing job descriptions
Seta DQP	EWSETA	EWSETA	EWSETA	EWSETA	LGSETA	LGSETA
		EWSETA			LGSETA	LGSETA
Notes on Organizations Experts Targets market and delivery	DWS, PG, CMA, WU	DWS, PG, CMA, WU	DWS, PG, CMA, WU, Municipalities, NGO, CBO	DWS, PG, CMA, WU, Municipalities, NGO, CBO	DWS, PG, WU, Municipalities, NGO, CBO, MISA	DWS, PG, Municipalities, NGO, CBO, MISA

# Summary of Progress in 2015

Qualification	WRC Contract - Network priority qualification listed, sequence aligned	Briefing document: <i>OFO code, Rationale, confirmed CEP and Dates</i>	Profiling Questionnaire: <i>Organizational job families, Occupation, profile statement, tasks &amp; entry requirements</i>	QCTO Application - Acknowledgement by QCTO & WSSLG	SETA Service Level Agreement	DQP appointed	Curriculum document	AQP BP	Delivery system
Water Resource Practitioner	Yes	Workshops dates to be confirmed	Outstanding is Job families & Job Descriptions	Yes	No	No			
Water Use specialist	Yes	Workshops dates to be confirmed	No	No	No	No			
Water Allocation Officer	Yes	Workshops dates to be confirmed	No	No	No	No			
Water Quality Analyst (Water Regulation Practitioner)	Yes	Yes	Yes	Yes	Yes - EWSETA	Yes - EWSETA	Yes	In progress	
Water Liaison Specialist	Yes	Workshops dates to be confirmed	Collect all outstanding JDS from IUCMA, CoCT and DWS	Yes	In progress (LGSETA)	In progress (LGSETA)			
Water Infrastructure Specialist	Yes	Yes	Collect all outstanding JDS from Municipality and DWS	Yes	In progress (LGSETA)	In progress (LGSETA)			
Water Reticulation Officer	Yes	Yes	Collect all outstanding JDS from Municipality and DWS	Yes	In progress (LGSETA)	In progress (LGSETA)			
Sanitation Coordinator	Yes	Yes	Collect all outstanding JDS: Utilities, BGCMA, and DEA	Yes	In progress (LGSETA)	In progress (LGSETA)			
Process Controller	Yes	Yes	Yes	Yes	Yes - LGSETA	Yes - LGSETA	Yes	In progress	

# Water Infrastructure Practitioner

## Broad brush Profile

The qualification is for a person already formally qualified with an Engineering degree/B Tech Eng. (Civil) (Water)/N Dip Tech (T5) or equivalent Registration as professional technologist. Purpose of this qualification is to

- Enhance operational management of the water network infrastructure services to customers
- Ensure maintenance of the water distribution system for efficient and sustainable water delivery to all consumers
- Minimise water loss

Key skills and knowledge components are required in both technical and management facets of the applied occupational qualification

# **Rationale for choice of this occupational qualification**

- Critical need to increase awareness of water's value and to achieve efficiency in water use by consumers
- Need for knowledgeable and talented leadership to ensure sustainable water infrastructure performance and service delivery levels
- The wide scope of the Network Manager's duties and associated responsibilities justify the development of a well constructed occupational qualification to facilitate the planning organisation and control of this important function

# Questions on Water Infrastructure Practitioner

# **Water Reticulation Officer**

## **Broad-Brush**

This qualification is for a person having the range of skills and knowledge at artisan level required for

- Installation of capital infrastructure pipelines
- Inspection, testing and maintenance of water distribution networks
- Attention and repair to operational emergencies

The Water Reticulation Officer will be employed by Municipalities and Water Utilities



# Sample Job Description (City of Tshwane)

- Job Purpose: The repair and maintenance of all the components of the water network, such as pipelines, valves, water meters and fire hydrants
- Duties/Tasks
  - Repair of water leaks
  - Maintenance and repair of water meters
  - Upgrade of the water network
  - General tasks including completion of time sheets, coordination of subordinates leave
- Authorities of the Post (Outlines authority/Delegations of job holder)
- Job Spec (Relevant skills, education or experience, special training)

**Motivation: Why the need?**

# Seeing is believing .....

- Public perceptions on service delivery
- Meaningful contribution to supporting the sustainability of adequate water supply
- Necessary to provide the required skills and knowledge to ensure the efficient operation of teams tasked with infrastructure network installation, maintenance and repair
- Secure the future availability of functional supervisors

Questions please?