(S	SECTOR																	
OBJECTIVE	SUB SECTOR	ACCREDITATION WATER SUPPLY								SEWERAGE						S2WW:TPO		
	JOB AREA SUB JOB AREA	Education Background	Water	DAM Safety	WATER TREATMEN		NT	WAT	WATER DISTRIBUTION		PLAN	NNING AND DESIGN		OPERATION AND MAINT		ITENANCE	Functiones and life laws because	
			Resources	Management	Maintenance Operation		Laboratory	Instrumentation	Operation	Non-Revenue Water	Treatment	Network	Desludging	Treatment	Network	Desludging	Experience and Life-Long Learning	
SEWERAGE TO WASTEWATER: TREATMENT PLANT OPERATIONS (OBJ	Level 8	PhD									HEAD OF DEPARTMENT (with option of Ir.)				ADVANCE Develop operations personnel to be conversant with tertiary treatment and gain a deeper understanding of secondary treatment processes and complex calculations, biological and chemical processes. Be able to trouble-shoot complex problems and			
	Level 7	Master's									HEAD OF SECTION (with option of Ir.)							
	Level 6	Bachelor's		SENIOR MANAGER									recommend solutions Develop a greater understanding of new technologies and incorporate these into upgrading of STPs Keep abreast of Sewage Regulations changes and operational challenges arising from these amendments					
	Level 5	Advance Diploma	Water Resources Manager	Dam Manager	Water Treatment Plant Manager			Water Distribution Manager		Water Distribution Manager	Planning			Treatment Manager	Network Manager	Desludging Manager	INTERMEDIATE ✓ Develop operations personnel to take charge and be fully responsible for STP performance. ✓ Build upon knowledge acquired in TPOC-Basic and raise the knowledge to a level where the	
	Level 4	Diploma	Water Resources Executive	Dam Executive	Facility Executive	Water Treatment Plant Executive	Chemist	Water Distribution Instrumentation Executive	Water Distribution Executive	NRW Executive	Plannin	g and Design Ei	ngineer	Treatment Engineer	Network Engineer	Desludging Executive	operations personnel are able to make effective operational decisions Be fully conversant with the requirements and obligations of the sewage regulations Take responsibility for regulatory compliance in furtherance of the concept of self-regulation. Prepare operations personnel to take examinations to be certified as an operator under the sewage regulations	
	Level 3	2 Certification	Water Resources Senior Technician	Dam Supervisor	Facility Senior Technician	Water Treatment Plant Senior Technician	Quality Assurance Senior Technician	Water Distribution Instrumentation Senior Technician	Water Distribution Operation Senior Technician	NRW Sr. Technician	Treatment Supervisor Supervisor		Desludging Supervisor	BASIC ✓ Develop knowledgeable operations personnel on basic sewage chemistry and sewage treatment fundamentals. ✓ Develop skills to ensure STPs are in				
			Water Dam Resources Technician Technician		Facility Technician	Water Treatment l Plant Technician	Lab Assistant Technician	Water Distribution Instrumentation Technician	Water Distribution Technician	NRW Technician				Treatment Technician	Network Technician	Desludging Surveyor	compliance, reporting internally and to regulators. ✓ Develop skills on basic STP operations and maintenance requirements	
	Level 1			Dam Operator	Handyman		Water Sampler		Fitter	NRW Field Assistant (Crew)					Desludging Operator			