

TKI Categorisation

Classification							
Supply Chain		Process Chain		Process Chain (cont'd)		Water Quality	Water Quantity (cont'd)
Source		Raw water storage		Sludge treatment		Legislation/regulation	- Leakage
- Catchment	X	- Supply reservoir	X	- Settlement		- Raw water (source)	- Recycle
- Groundwater	X	- Bankside storage	X	- Thickening		- Treated water	
- Surface water	X	Pretreatment		- Dewatering		Chemical	
- Spring water	X	- Screening	X	- Disposal		- Organic compounds	
- Storm water	X	- Microstraining	X	Chemical dosing		- Inorganic compounds	
- Brackish/seawater	X	Primary treatment		- pH adjustment		- Disinfection by-products	
- Wastewater	X	- Sedimentation	X	- Coagulant		- Corrosion	
Raw water storage		- Rapid filtration	X	- Polyelectrolyte		- Scaling	
- Supply reservoir	X	- Slow sand filtration	X	- Disinfectant		- Chlorine decay	
- Bankside storage	X	- Bank filtration	X	- Lead/plumbosolvency		Microbiological	
Water treatment		- Dune infiltration	X	Control/instrumentation		- Viruses	Consumers / Risk
- Pretreatment	X	Secondary treatment		- Flow		- Parasites	
- Primary treatment	X	- Coagulation/flocculation	X	- Pressure		- Bacteria	X Trust
- Secondary treatment	X	- Sedimentation	X	- pH		- Fungi	- In water safety/quality
- Sludge treatment	X	- Filtration	X	- Chlorine		Aesthetic	- In security of supply
Treated water storage		- Dissolved air flotation(DAF)	X	- Dosing		- Hardness / alkalinity	- In suppliers
- Service reservoir	X	- Ion exchange	X	- Telemetry		- pH	- In regulations and regulators
Distribution		- Membrane treatment	X	Analysis		- Turbidity	Willingness-to-pay/acceptance
- Pumps		- Adsorption	X	- Chemical		- Colour	- For safety
- Supply pipe / main	X	- Disinfection	X	- Microbiological	X	- Taste	- For improved taste/odour
Tap (Customer)		- Dechlorination	X	- Physical		- Odour	- For infrastructure
- Supply (service) pipe	X	Treated water storage					- For security of supply
- Internal plumbing	X	- Service reservoir	X			Water Quantity	Risk Communication
- Internal storage	X	Distribution					- Communication strategies
		- Disinfection	X			Source	- Potential pitfalls
		- Lead/plumbosolvency				- Source management	- Proven techniques
		- Manganese control				- Alternative source(s)	
		- Biofilm control	X			Management	
		Tap (Customer)				- Water balance	
		- Point-of-entry (POE)	X			- Demand/supply	

Techneau, D.3.6.10 An overview of the microbial methods developed and tested in WA3 (Oktober, 2010)

					trend(s)		
		- Point-of-use (POU)	X		- Demand reduction		

TKI Categorisation (continued)

Contains		Constraints		Meta data	
Report	X	Low cost		<i>Author(s)</i>	Frederik Hammes (Eawag) Marius Vital (Eawag) Simona Larson (RTU) Karin Thelen (vermicon) Beate Hambsch (TZW)
Database		Simple technology		<i>Organisation(s)</i>	
Spreadsheet		No/low skill requirement		<i>Contact name</i>	
Model		No/low energy requirement	X	<i>Contact email</i>	
Research	X	No/low chemical requirement	X	<i>Quality controller name</i>	
Literature review		No/low sludge production		<i>Quality controller organisation</i>	
Trend analysis		Rural location	X	<i>Source</i>	
Case study / demonstration		Developing world location	X	<i>Date prepared</i>	
Financial / organisational				<i>Date submitted (TKI)</i>	
Methodology	X			<i>Date revised (TKI)</i>	
Legislation / regulation					
Benchmarking					