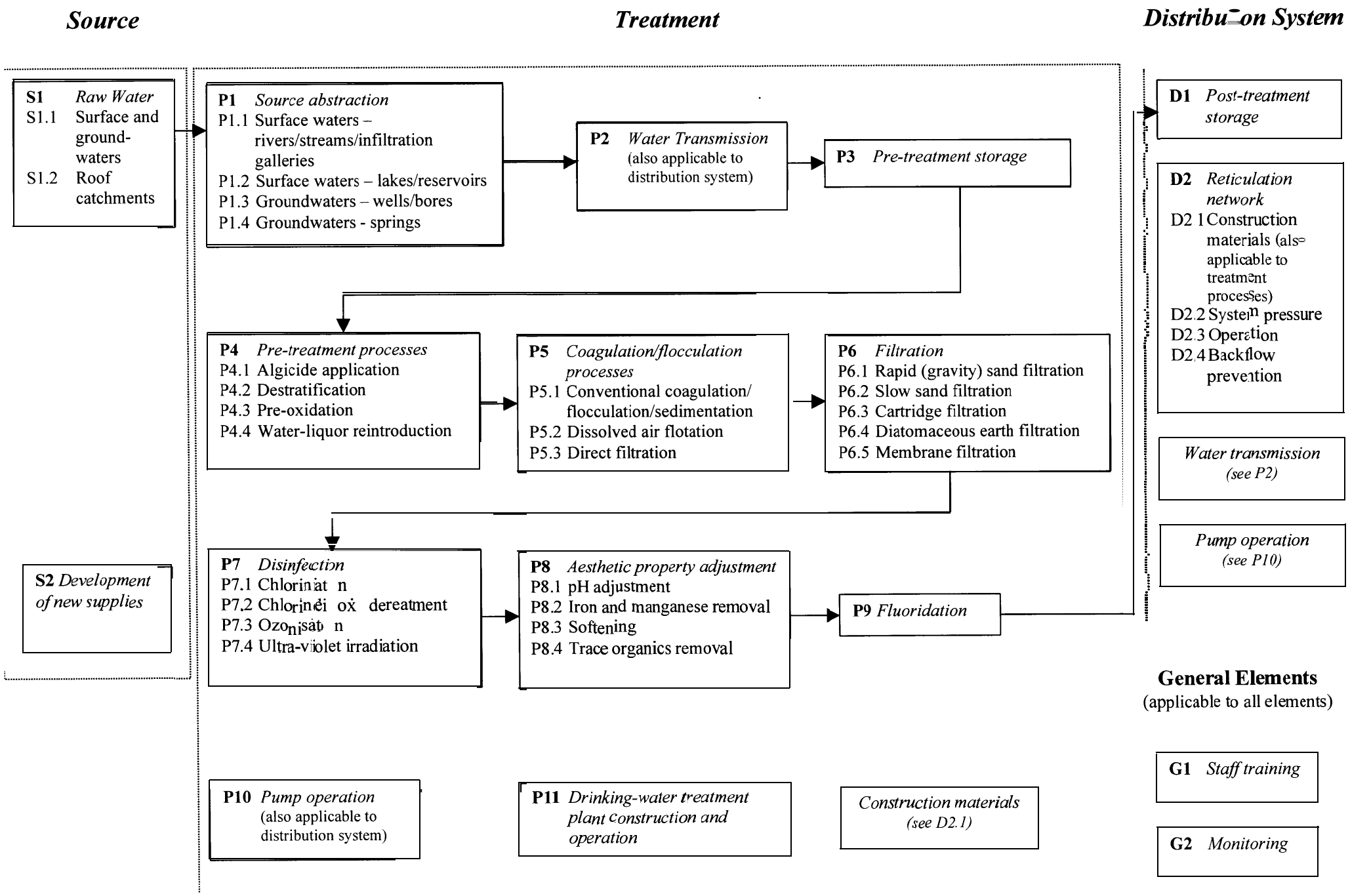
Source
Treatment
Distribution System
S1 Raw Water
S1.1 Surface and ground-waters
S1.2 Roof catchments
S2 Development of new supplies
P1 Source abstraction
P1.1 Surface waters – rivers/streams/infiltration galleries
P1.2 Surface waters – lakes/reservoirs
P1.3 Groundwaters – wells/bores
P1.4 Groundwaters - springs
P2 Water Transmission (also applicable to distribution system)
P3 Pre-treatment storage
P4 Pre-treatment processes
P4.1 Algicide application
P4.2 Destratification
P4.3 Pre-oxidation
P4.4 Water-liquor reintroduction
P5 Coagulation/flocculation processes
P5.1 Conventional coagulation/ flocculation/sedimentation
P5.2 Dissolved air flotation
P5.3 Direct filtration
P6 Filtration
P6.1 Rapid (gravity) sand filtration
P6.2 Slow sand filtration
P6.3 Cartridge filtration
P6.4 Diatomaceous earth filtration
P6.5 Membrane filtration
P7 Disinfection
P7.1 Chlorination
P7.2 Chlorine dioxide treatment
P7.3 Ozonisation
P7.4 Ultra-violet irradiation
P8 Aesthetic property adjustment
P8.1 pH adjustment
P8.2 Iron and manganese removal
P8.3 Softening
P8.4 Trace organics removal
P9 Fluoridation
P10 Pump operation (also applicable to distribution system)
P11 Drinking-water treatment plant construction and operation
Construction materials (see D2.1)
D1 Post-treatment storage
D2 Reticulation network
D2.1 Construction materials (also applicable to treatment processes)
D2.2 System pressure
D2.3 Operation
D2.4 Backflow prevention
Water transmission (see P2)
Pump operation (see P10)
General Elements
(applicable to all elements)
G1 Staff training
G2 Monitoring