

## 5 Treatment Works and Service Reservoir Performance



***Handois Water Treatment Works***

Jersey Water has two water treatment facilities located at Handois, St Lawrence and at Augrès, Trinity. Both treatment processes are identical and use a physio-chemical primary treatment system, which uses aluminium sulphate, followed by dual media rapid gravity filtration using sand and anthracite.

Disinfection of the treated water is carried out by the use of chlorine and ammonia, which provides a compound called chloramine. The primary purpose of the disinfection process is to ensure a residual concentration of chlorine exists in the water throughout the relatively long and radial type distribution system to ensure bacteriological standards are maintained.

Jersey Water operates two treated water reservoirs located at Westmount Road, St Helier and Les Platons, Trinity. The combined storage capacity of the service reservoirs is 18 MI, which is just under the average daily demand. Both these reservoirs are underground concrete tanks situated on high-level ground and they ensure adequate treated water is available to supply our customers at periods of peak daily demand, which are normally in the early morning and evening.



***Les Platons treated water service reservoir***