

### Service Schedule

A	Site Safety and Regulatory Compliance
	<b>Derwent Water Services Ltd. to advise site contact one week prior to intended visit date.</b>
<input type="checkbox"/>	1 Register with security or reception before proceeding to site.
<input type="checkbox"/>	2 Register with site contact and obtain permit to work.
<input type="checkbox"/>	3 Inform site of any electrical or mechanical isolation.
<input type="checkbox"/>	4 Inform site of interruption of water supply to service (for regeneration).
<input type="checkbox"/>	5 Inform site that site services have been restored on completion of work. Contact site responsible person. Discuss findings and actions. Obtain signature and leave completed report.

B	Service schedule for Demineralisation Unit
<input type="checkbox"/>	6 Discuss and examine previous site demineralisation results and outlet water quality.
<input type="checkbox"/>	7 Establish if any change in raw water composition has occurred since previous service visit. Check total dissolved solids/conductivity loading.
<input type="checkbox"/>	8 Calibrate conductivity meter with conductivity simulator.
<input type="checkbox"/>	9 Confirm that plant regeneration capacities for conductivity are correct and record outlet conductivity set point. Record batch water meter reading if fitted.
<input type="checkbox"/>	10 Inspect general condition of unit and associated plant for leaks or general wear and tear.
<input type="checkbox"/>	11 Where possible, with units with water pressure gauges fitted, check pressures before and after demineraliser unit. Confirm that the pressure on the inlet is correct for regenerant draw (caustic or acid) and to achieve required flows to header tank or similar. Record water pressures.
<input type="checkbox"/>	12 Inspect and service the demineraliser control valve (Autotrol, SIATA or similar). Clean, grease and check all seals/diaphragms and moving parts on the control head. For SIATA, remove each port and check/replace 'O' seals as required.
<input type="checkbox"/>	13 For demineralisers using diaphragm valves on a manifold for plant regeneration and service flow, e.g. S.E.D valves, these diaphragm valves to be sequentially inspected and made good as necessary.
<input type="checkbox"/>	14 On at least an ANNUAL basis, remove both anion and cation valve heads and check resin bed depth. Take samples of resin for analysis to establish if resin is cracked or fouled (organic or inorganic).
<input type="checkbox"/>	15 As necessary, check and dismantle caustic and acid draw valves and eductor.
<input type="checkbox"/>	16 Carry out a plant regeneration for the purpose of establishing: <ul style="list-style-type: none"> <li><input type="checkbox"/> Correct regenerant draw</li> <li><input type="checkbox"/> Correct regenerant re-fill</li> <li><input type="checkbox"/> Performance of control heads or valves</li> <li><input type="checkbox"/> Resin loss during regeneration</li> <li><input type="checkbox"/> Solenoid operation</li> </ul> Return unit to service and confirm demineralised water outlet quality.
<input type="checkbox"/>	17 Identify and bring to the attention of the site responsible person any areas for improvement or items in need of attending to, either imminently or at next service.
<input type="checkbox"/>	18 Leave a report on site on the above and obtain signature and confirm next service date.

Information contained on this leaflet is correct at the time of print. Derwent Water Services Ltd. reserves the right to change specifications without notice.

**Ashfield Avenue, Cotes Park West Industrial Estate, Somercotes, Derbyshire DE55 4QR**

**Tel: +44 (0) 1773 529150 - Fax: +44 (0) 1773 609767**

**Email: [service@derwentwater.com](mailto:service@derwentwater.com)**

**Website: [www.derwentwater.com](http://www.derwentwater.com)**