

<b>TYPICAL 5 YEAR SERVICE PLAN</b>	<b>Monthly</b>	<b>3 monthly</b>	<b>6 Monthly</b>	<b>Annually</b>	<b>5 year</b>
<b>RISING SECTOR GATE</b>					
Test closures and visual inspection from abutments	X				
Using MHPU on mains supply					
Using the MHPU on Generator Power					
Using the North side EHPU for Raising & Gravity to Lower					
Using the South side EHPU					
Using the North side EHPU					
Using the South side EHPU for Raising & Gravity Lowering					
Silt flushing - done as part of the raising/lowering	X				
Wind latches out and in; grease as necessary	X				
Dip ballast tank				X	
Turn gate into maintenance position using HPU; empty ballast at inspection position; raise to 180 and undertake inspection inside and out; lower; refill with ballast; open					X
Inspection of corrosion protection system - paint					X
Inspect sills and seals					X
Inspect and maintain bearings and connections	X				
Lifting accessories - VISUAL		X			
Lifting accessories - TEST				X	
Inspect fenders on navigation piles - visual		X			
ICCP system on barrier			X		
<b>Diesel EHPU's</b>					
Check fuel lines, and fuel; check oil; start and run up to operating temperature	X				
Service; check and change all filters, and change oil				X	
Analyse oil				X	
<b>HYDRAULICS</b>					
Inspection and rectification of oil leaks	X				
Correct operational parameters - temperature, levels, pressures etc	X				
Grease bearings	X				
Inspect cylinders and fixings including paint	X				
Test spare ram	X				
Check oil tanks for redistribution required	X				
Oil sample and analysis			X		
Change oil if required by monitoring and analysis					
Visual inspection of flexible hoses - chaffing and leaks			X		
Change exposed flexible hoses					X
Inspection of all paintwork			X		
All pressure settings to be checked and recorded			X		
Check oil heater, stat, low oil cut out			X		
Check pressure relief valves				X	
Check pump operation				X	
Change system filters - 2 yearly or when oil sampling/monitoring indicates					
Inspect filter bowls				X	

<b>Standby Generator</b>					
Check fuel, oil, lines, coolant, emergency stop; run for 30mins	X				
minor service - inspection, oil sample, top up and report			X		
major service - inspection, change oil, oil filter and fuel filter + load bank				X	
<b>ELECTRICAL</b>					
Navigation lights - solar powered - visual in darkness	X				
Generator turnover and checks	X				
CCTV - Download from PC, upload to EA cloud storage	X				
Check Emergency Stop System	X				
External Lighting		X			
Instrumentation, control and automation		X			
Check proximity switches			X		
Check safety instrumentation and loops			X		
CCTV				X	
UPS checks - system monitors continuously				X	
UPS change batteries if required					X
Variable speed drives				X	
Statutory testing of lighting pole lowering device - LOLER				X	
Check earths and LPS				X	
Inspect and maintain filters - also conducted after an emergency operation				X	
Replacement of batteries in PLC Controller units				X	
Electrical periodic inspection					3
<b>CONTROL BUILDING</b>					
Visual inspection of overall building	X				
Fire alarm test	X				
Fire alarm inspect and certify			X		
Cleaning - internally / depends on use	X				
Testing of selected fittings, on/off only		X			
Clean windows			X		
Emergency lighting test			X		
Fire suppression system check and inspection				X	
Room integrity check for suppression system				X	
Check and clear downpipes & drainage channels - Autumn ?				X	
PAT Testing portable appliances				X	
Lift servicing				X	
Solar panel system				X	
Fire Extinguishers				X	
Service heating and air - GSHP				X	
Overhead crane hoists - 6 month inspection; 12 month test			X	X	
Drains - foul and surface				X	
Empty septic tank - as required				X	
Energy performance certification					X
Visual check cradles for barrier pins				X	
Check condition of spares and restock as necessary				X	
Replenish spares for handover					X
<b>Security fencing and gates</b>					
Left bank - Control Building Compound	X				
Right bank - Abutment Compound	X				

<b>Matrix signs</b>					
Input tide data	X				
Clean faces		X			
Maintenance including battery check				X	
<b>Ancilliary Flood Gates 7 and 8</b>					
Inspection and functional check	X				
Grease hinges		X			
Coating system				X	
<b>Sheet pile walls</b>					
Settlement monitoring coping / flood level			X		
<b>Bathymetric Survey</b> - London Rd to Church Point				X	
<b>Right bank Landscaping</b>					
Boston Horsetail - Monitoring of plant establishment; issue report; no maintenance.	X				
Boston Horsetail - strimming coarse vegetation				X	
Grass Cutting to RHS embankment - <i>one cut Spring; date subject to weather</i>				X	