

I1 Instrumentation Checklist	Maintenance Task	Maintenance Frequency			
		Daily	Weekly	Monthly	Annually
Instruments	Complete overall visual inspection to be sure all Instruments, transducers are operating and are in place. Check device visually and clean.		X		
Overall Visual Inspection	Visual inspection of LED / diagnostic displays for PLC/RTU. Visually Inspection and cleaning as necessary of all instrumentation. Visual inspection of cabling and cable terminations. Checking of panel indicators, ammeters etc. and switches.			X	
UPS Condition	Check electrolyte level and density of UPS and batteries, maintain as required.				X
ICA System tests	Loop-checks through PLC/RTU and SCADA systems.			3	
Calibration Tests	Calibration of pressure and level sensors/transmitters, Check and compare instrument readings on transmitter, field indicator with PLC/RTU and re-calibrate all instrument loops as necessary & check alarms.			6	
Pressure gauges	Provide calibration in accordance with manufacturer's standards & certification by an appropriate certifying authority, oil shall be checked and refilled if required.				X
Ultrasonics	Carry out simulation testing for flood level sensor and confirm that alarm and protection are functional.			3	
Float Switches	Remove, clean, check operation & alarms, and reposition at right level inside wet well and outfalls			X	
Temperature Gauges	Operate unit and check alarms. Check and service internal wiring and terminations.			3	
Flow Meters	Carry out simulation testing for flow rate sensor and confirm that alarm and protection are functional			3	

F1 Fire Fighting and Alarms	Maintenance Task	Maintenance Frequency			
		Daily	Weekly	Monthly	Annually
Fire Alarm	Check operation of a trigger device. Rotate zones to include all devices during a quarter. Repeat check to include sounders and alarm transmission circuits if disconnected/disabled.		X		
Fire Fighting System	Check the pressure in each Fire Fighting Equipment.			X	
Control	Check normal operation of panel, record and rectify any defect.			X	
System Inspection	Provide annual inspection/service in accordance with BS 5839 Part 1, 1986.				X