

## Submersible Pumping Equipment Foul and Surface Water Pumping Stations

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### ***Major Service***

1. Lift pump(s), clean pump and check pump data plate
2. Check pump volute for damage
3. Check impeller for debris and damage unblock as required
4. Check wear ring(s) for damage
5. Assess motor / pump bearing condition
6. Remove oil drain plug and check oil for water ingress (where appropriate)
7. Refit oil drain plug with new "O" ring refill / replace oil (where appropriate)
8. Check motor windings for continuity and insulation integrity
9. Check motor cables for wear and water ingress
10. Check and clean level control floats / ultrasonic head
11. Check condition / serviceability of pump lifting system
12. Check operation of isolation and reflux valves
13. Check condition of wet well pipework
14. Check condition of wet well and valve chamber (where appropriate) including access covers
15. Check condition / serviceability of pump control panel
16. Check and adjust all pump controls where necessary
17. Check and test all safety / alarm facilities
18. Check earth loop resistance
19. Clean control panel
20. Check condition of control panel kiosk (where appropriate)
21. Clean and remove potential items to cause pump blockages from pump chamber

Check correct operation of pumping station and replace any consumable items up to the value of £150.00, e.g. Level control floats, control panel fuses, indicator bulbs etc; to be invoiced in separately

**Record all collected data and report on any areas requiring attention**

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### **General Service**

1. Visually inspect pumps for correct operation / damage
2. Assess motor / pump bearing condition
3. Check motor windings for continuity and insulation integrity
4. Check motor cables for wear and water ingress
5. Check level control floats / ultrasonic head
6. Check condition of pump lifting system
7. Check operation of isolation and reflux valves
8. Check condition of wet well pipework
9. Check condition of wet well and valve chamber (where appropriate)
10. Check condition / serviceability of pump control panel
11. Check and adjust all pump controls where necessary
12. Check and test all safety / alarm facilities
13. Check earth loop resistance
14. Check condition of control panel kiosk (where appropriate)
15. Clean and remove potential items to cause pump blockages from pump chamber

Check correct operation of pumping station and replace any consumable items up to the value of £150.00, e.g. Level control floats, control panel fuses, indicator bulbs etc; to be invoiced in separately

**Record all collected data and report on any areas requiring attention**