

Bore - Pump - Submersible - Electric

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 30/01/2008						
1	BORE DATA SHEET The Bore Data Sheet shall be used in conjunction with this Technical Data Schedule and shall have all sections acknowledged and details of equipment, tests, findings and results recorded.					Y
2	WATERSAMPLING AND TESTING Water sample to be:- - collected in an approved sterile container. - processed/tested within 24 hours of collection. - analysed for iron bacteria and iron levels. - tested by NATA or ISO registered body or organisation.					Y
3	BOREHOLE TREATMENT Treat borehole with approved sterilising and disinfecting agent. *Note: Prior approval to be obtained and work to be carried out in accordance with authorising agents requirements and instructions.					Y
4	When lifting pump, check:- - condition of column pipe and bore cap. - electrical drop cable. - low level probe/s. - static water level and bore depth. - for presence of iron bacteria.					Y
5	Before leaving the site, check:- - borehole casing is securely capped. - column pipe is physically secured. - F.R.P pipe is secured to prevent damage.					Y
6	Pump to be flow tested prior to any dismantling. Check and pressure test airline, especially for leaks. Dismantle, check and overhaul flow control valve/s. Dismantle, check and overhaul pump. Dismantle, check and overhaul motor.					Y
7	Before re-installing pump in borehole, check:- - Bore Data Sheet and complete all relevant sections. - for correct rotation of pump. - drop cable/motor cable is secured to column pipe. - airline tube and low level probe is secured to column pipe as close as possible to the pump or maximum 1 metre from pump suction. - to ensure the upper probe, if fitted, is installed below the static water level and remain submerged upon recovery, allowing for any variations in the static water level. - drop cable, airline tube and probe cable/s are secured to column pipe at maximum 3 metre centres.					Y

**Disclaimer** -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia  
Department of Planning,  
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8	Re-install pump, reconnect to system pipework, run, check condition and operation including:- <b>ELECTRICAL</b> - all controls,indicator lamps and alarms. - all safety devices. - overloads and circuit breakers. - associated equipment. - all relays and contactors, especially for noise and/or wear. - all terminals and connections for contact,tightness and corrosion - measure and record operating voltage between phases. - measure and record operating current on all phases. - winding integrity. - insulation integrity. - seal probe/s and thermistors, if fitted. - control cabinet,especially hinges,locks & for general cleanliness. <b>MECHANICAL</b> - all safety devices. - associated equipment,especially for leaks or corrosion. - valves, especially any gland packing. <b>TESTING</b> Flow test pump to ensure compliance with manufacturer's printed performance criteria including:- - duty point. - minimum and maximum flow. - closed head.					Y
9	Check bore pit, plinth and/or shed floor is clean & free of any debris					Y
10	Provide completed/updated copy of Bore Data Sheet and written report on tests, results, findings and any recommendations.					Y
11	Record all results in log book.					Y

**Special Comments and Technical Data**

- \*ALL CARE SHOULD BE TAKEN AND EQUIPMENT STERILISED WITH AN APPROVED STERILISING AGENT TO PREVENT THE TRANSFER OF ANY CONTAMINATION, ESPECIALLY IRON BACTERIA.
- \*APPROVED STERILISING AGENT, SODIUM HYPERCHLORIDE 12% AT THE RATE OF 120 MG/LITRE, EQUATING TO 120 PPM.
- \*ENSURE BORE SITE IS LEFT FREE OF ANY CONTAMINANTS OR REFUSE E SERVICE AS REQUIRED, REFER TO S24 OR S24AA FOR ROUTINE MAINTENANCE.

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