

SA WATER MECH AND ELEC NEW STATION CHECK LIST

Checked by	Date	Signed
STATION NUMBER		
LOCATION		
UBD		
Description	Accept	Comments
Site		
Driveway [room for truck, surface, level]		
Surrounds [weeds, surface etc]		
Site drainage		
Graffiti & vandal damage		
Vent Stack details supplied		Diam[] Type[] Bird Guard[]
Fencing & gates		
Signs Confined Space		
Signs 415 Volt		Contact phone number to be fitted by SAW/Allwater
Electrical service markers installed		
Back flow preventer details supplied		Make[] Diam[]
Water service details supplied		Diam[]
Manuals etc		
Manuals for pumps		
Manuals for soft starters		
Manuals for level controls		
Manuals for other electrical equipment		
Manuals for generator		
Programmers for controllers etc		
PLC initiation disc supplied (original)		
Drawings and Details		
Drawings for site layout supplied showing		Vent pipe[] Electrical service[] RPZ[] Underground services[]
Switchboard drawings		
Drawings for pumping main supplied		Plan drawing[] Longitudinal section drawings[] location of valves[]
Duty details supplied		Pump duty[] System curve[] Pump curves[]
Pumping main		
Pumping main details supplied		Material[] Diam[] Length[]
Pumping main air valves details supplied		Make[] Diam[] Material[] Location[]
Pumping main stop valves details supplied		Make[] Diam[] Material[] Location[]
Pumps		
Pump details supplied		Make[] Model[] Size[] kW[] Serial No[]
Pump lifting chains details supplied		Material[] Link diam[] Length[]
Pump chain & cable hooks		
Electrical Switchboard		
Cubicle [paint, locks, door supports]		
Electrical details supplied		Switchboard size kW[] Equipment details[]
Labelling of components appropriate		
Lockable main switch		
Plugs for pumps		
Level controls details supplied		Type[] Make[] Model[]
Level controls operating levels details supplied % of wetwell depth		Sump low level[] Pump 1 stop[] Pump 2 Stop[] Pump 1 start[] Sump high level 1[] Pump 2 start[] Sump high level 2 float [] Sump extra high level float[]
Are RCD's fitted		

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Earth stake & cover		
Telemetry input terminations		
Radio Telemetry aerial details supplied		Make[] Type[]
Conduit for telephone line for telemetry		
Wet Well		
Wet Well Details Supplied		Depth[] Diam[]
Wet well riser pipework & support bracket details supplied		Type[] Diam[] Supports[]
Guide rails details supplied		Length[] Diam[] Type[] Material[] Supports[]
Discharge connection details supplied		Make[] Diam[] Type[] Materials[] Fixings[]
Inlet isolation valve details		Make[] Diam[] Type[] Materials[]
Storage isolation valve details		Make[] Diam[] Type[] Materials[]
Cubicle [paint, locks, door supports]		
Wet well concrete		
Wet well battering to SA Water standard		
Wet well covers		
Wet well safety grids		
Well washer		
Inlet knife valve		
Inlet baffle		
Valve Chamber		
Valve chamber covers details supplied		Type[] Material[]
Valve chamber details supplied		Depth[]
Valve chamber pipework details supplied		Material[] Diam[]
Valve chamber access		
Pipework Supports		
Counter weights fitted to reflux valves		
Valve chamber drain		
Generator		
Generator details supplied		Engine Make[] Engine Model[] Engine KW [] Generator make[] Generator Model[] Gererator size KVA[]
Generator starts on power failure		
Generator security.		
Bunding around fuel tank		
Locks fitted		
Overflow Storage System		
Overflow storage system details supplied		Material[] Diam[] Length[]
Access to covers		
Covers trafficable		
High Level ball float fitted & operational		
Has this station been accepted by SAW/Allwater		
Yes / No	Signed	Date / /
Conditions Subject to the above non acceptances being addressed.		