

# SA WATER MECH AND ELEC NEW STATION CHECK LIST

Checked by	Date	Signed
<b>STATION NUMBER</b>		
<b>LOCATION</b>		
<b>UBD</b>		
Description	Accept	Comments
<b>Site</b>		
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[ ]
<b>Manuals etc</b>		
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)		
<b>Drawings and Details</b>		
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[ ]
<b>Pumping main</b>		
Pumping main details supplied		Material[ ] Diam[ ] Length[ ]
Pumping main <b>air</b> valves details supplied		Make[ ] Diam[ ] Material[ ] Location[ ]
Pumping main <b>stop</b> valves details supplied		Make[ ] Diam[ ] Material[ ] Location[ ]
<b>Pumps</b>		
Pump details supplied		Make[ ] Model[ ] Size[ ] kW[ ] Serial No[ ]
Pump lifting chains details supplied		Material[ ] Link diam[ ] Length[ ]
Pump chain & cable hooks		
<b>Electrical Switchboard</b>		
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		
<b>Wet Well</b>		
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		
<b>Valve Chamber</b>		
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		
<b>Generator</b>		
Generator details supplied		Engine Make[ ] Engine Model[ ] Engine KW [ ] Generator make[ ] Generator Model[ ] Generator size KVA[ ]
Generator starts on power failure		
Generator security.		
Bunding around fuel tank		
<b>Locks fitted</b>		
<b>Overflow Storage System</b>		
Overflow storage system details supplied		Material[ ] Diam[ ] Length[ ]
Access to covers		
Covers trafficable		
High Level ball float fitted & operational		
<b>Has this station been accepted by SAW/Allwater</b>		
Yes / No	Signed	Date / /
<b>Conditions Subject to the above non acceptances being addressed.</b>		