Technical Document - Preventative Maintenance Schedule For Irrigation Systems

INCLUDING: Proprietary Drip (sub-surface), Perforated Drip (sub-surface), Drip Irrigation (under mulch)

MAINTENANCE PROCEDURES FOR CLARENCE VALLEY COUNCIL

PREVENTATIVE MAINTENANCE QS – Quarterly/Service Agent

Annually – A copy of this report is to be submitted to Clarence Valley Council, Locked Bag 23, Grafton 2460.

Quarterly –The irrigation area must be serviced quarterly and comments of each service noted on this report.

When Required – Council is to be notified immediately upon any maintenance component failure.

MO – Monthly/Owner WRS - When Required/Service Agent 1. PUMP SYSTEM Pump Model: Council Notification Required **COMPONENT INTERVAL** DATE **INSPECTION (VISUAL)** 1. Bearings QS 2. Mechanical Seal QS 3. Insulation QS QS 4. Amps **5.** Electrical Leads/Plugs QS 6. Suction Strainer QS Comments: 2. CONTROL SYSTEM Council Notification Required COMPONENT INTERVAL **DATE INSPECTION (VISUAL)** QS 1. Enclosure QS 2. Plugs & Leads 3. External Switches QS 4. Level Sensors QS a) Clean b) Check Level Setting c) Test Operation 5. Alarm Lights and/or QS Buzzer **6.** General Operation QS

3. FILTRATION EQUIPMENT

Filter Model 1:	
Filter Model 2:	

											Required
COMPONENT INSPECTION	INTERVAL						DATE				
1. Remove &	WRS				A						1
Clean Cartridge						4					
2. Soak & Rinse	WRS				*						
in 1% Chlorine					,						
Solution											
3. Replace	WRS										
"Techfilter"	(2 years)										
Cartridge				*							
4. Check	QS										
Pressure											
Gauges		4									
5. Inlet (Pi)	MO										
Pressure kPa		`		Alm.							
6. Outlet (Po)	MO										
Pressure kPa			A								
7. Filter Loss	MO										
Pi-Po = Loss	· ·										
<70kPa											
8. Pipework	QS					•		•		•	1
Condition/Leaks			All I								

Council Notification

4. EFFLUENT FIELD

						Council Notification Required
1. Open and Flush Scour Valves on Mainline and Submain. (Using fresh water if available)	QS					
2. Open and Flush Lateral Lines (using fresh water if available). Minimum of Five (5) minutes/valve or	QS + WRS					
until flush water flows clear. 3. Inspect and Clean – Air Valves, Vacuum Breakers, Pressure Reducing Valves and Test for Correct Operation	QS					
4. Inspect and Clean Indexing Valves, Solenoid Valves and Soil Moisture Sensors, and Test for Correct Operation	QS					
5. Inspect Reed Bed and/or Sand Filter for Correct Functioning	QS					
6. Inspect Vegetative Cover on Effluent Field	МО					
7. Inspect Ground Surface for Signs of Ponding or Poor Effluent Absorption	МО					
8. Inspect Absorption Trenches, Diversionary Swales/Berms, or other Earth Construction, Valve Pits, Fences and Signage	QS					
9. Check System's Current Operating Pressure Against Original Pressure Setting	QS	kPa	kPa	kPa	kPa	

5. OWNER'S RESPONSIBILITY

COMPONENT INSPECTION	INTERVAL	DATE					
Inlet Pressure Gauge (Pi) kPa (5)	Monthly						
Outlet Pressure Gauge (Po) kPa (6)	Monthly						
Filter Loss Pi-Po = Loss <70kPa (7)	Monthly						
Pipework and drippers, sprinklers fixed in position and operational	Monthly						
Site Inspection							
Warning signs provided	Monthly						
Inspect Vegetative Cover on Effluent Field	Monthly						
Inspect Ground Surface for Signs of Ponding or Poor effluent Absorption	Monthly						
Stormwater diverted from disposal area	Monthly						
Any odour from disposal area	Monthly						

Comments:

Council