



AMERICAN

Manufacturing Company, Inc.

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INSPECTION AND OPERATIONAL CHECKLIST

PERC-RITE® DRIP DISPERSAL SYSTEM (DP1 Control)

JOB NAME: _____
Address: _____

DATE: ___/___/___
Time: ___ : ___ AM/PM

I. Monitoring Reason

A. Periodic Inspection (Y/N) Other _____

II. Periodic Inspection

A. Field Conditions

1. Walk the Drip field and record any visible wet spots from the drip system.
O.K. ___ Repair ___ Comments and remedial action _____

B. Controller Lights and manual switch positions. (DP1 Series Drip Control)

- Open the control panel and open the lid to the hydraulic unit and pump tank. . Make sure all manual switches are in the automatic position. With Microprocessor on, verify power light and LCD displays are on.
O.K. ___ Comments and remedial action _____
- Microprocessor input: See table in owners manual.
O.K. ___ Comments and remedial action _____
- Microprocessor output: Verify there is output only when in automatic operation. You may start automatic cycle by holding in "Reset/Stop" button.
O.K. ___ Comments and remedial action _____

C. Pump Tank Liquid Level Float Switches

1. Check liquid level in the pump tank to confirm float switch operation.
If a float is down, its light should be off. Note; High level alarm float requires optional relay installed in control.
O.K. ___ Comments and remedial action _____

D. Pump and Valve Operation

- Place pump "Hand-Off-Auto" switch in the "Hand" position to dead head pump against valves. Then open (optional) master valve. Flow meter should not turn indicating there are no leaks.
O.K. ___ Comments and remedial action _____
- With the pump running, place each zone valve in the "Hand" (open) position, one at a time to check operation. With one zone valve open, flow should register on the flow meter. When the zone valve closes (off position), the flow should stop.
O.K. ___ Comments and remedial action _____
- With one zone valve open and flowing, close and reopen (optional) master valve to check operation.
O.K. ___ Comments and remedial action _____
- With the pump in the "Hand" position open the filter backwash valve for filter one and two for ten seconds then close. There should be no flow registering in the flow meter and you should hear the valves open and close. (water return to septic tank) The backwash return valve diaphragm must open and close during backflush operation.
O.K. ___ Comments and remedial action _____
- Return all switches to the automatic position

E. Hydraulic Unit

1. Examine all hydraulic components for leaks, tubing crimps and other problems.
O.K.____ Comments and remedial action _____

III. Annual Inspections

A. Extended Check - Zone Dose Rates

1. Open the air release valve boxes and inspect. Make sure they close during the dose with no water leak after air is evacuated.
O.K.____ Comments and remedial action _____
2. Determine how many zones are in operation and the installed flow rates from the installation records.
O.K.____ Comments and remedial action _____
3. With the pump in the "Hand" position, select the first zone by placing the zone valve switch in the "Hand" position. After pressurization time, check flow rates by reading the flow meter for a timed minute. Repeat for all zones. If flow varies by more than 10% from original flow rates, reset flow rates. Record flow rates: _____
O.K.____ Comments and remedial action _____
4. After the final zone is checked, place the "Zone Return" valve in the "Hand" position while the "Zone Valve" is still in the "Hand" position and verify that the flow rate increased to provide field flushing.
O.K.____ Comments and remedial action _____
5. Return appropriate switches to the automatic position.
O.K.____ Comments and remedial action _____
6. Press reset button for 5 seconds and check automatic zone dosing time.
O.K.____ Comments and remedial action _____

B. Tanks & Pumps

1. Examine and clean septic tank effluent screens, filters, and floats as needed.
O.K.____ Comments and remedial action _____

C. Measure solids level in all tanks

1. Septic tank Tank Depth _____ Sludge Depth _____
2. Dose Tank Tank Depth _____ Sludge Depth _____
3. Sludge pumping required Yes ____ No ____

IV. Reporting

- A. Provide summary report to customer showing gallon flow to each field along with pertinent operating information and suggestions.
- B. Provide signed and dated inspection report to customer file and regulatory agency as needed.
- C. Have records available and be prepared to discuss operation and maintenance specifics with customer personnel.

V. Operator Signature: _____ **Date:** _____

Perc Rite® users are authorized to reproduce forms from manuals and web site as needed.

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