

# **RMS Monitoring & Maintenance Service Task Items for an AdvanTex® Treatment System**

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When RMS provides a system service there is a list of tasks that are included based on component availability on-site. The homeowner also has responsibility as listed below, to help ensure a complete servicing can be performed.

## **RESPONSIBILITY OF THE SYSTEM OWNER**

The System Owner is responsible for providing and/or performing the following:

1. Provide access to water at the pump stations in the form of a hose on the day of the scheduled maintenance visit.
2. Provide access to the System and control panel on the day of the scheduled maintenance visit.
3. Provide a record drawing of the System As-Built if available.

## **LIST OF TASKS THAT MAY BE PERFORMED DURING A ROUTINE SYSTEM INSPECTION AND MAINTENANCE**

Your wastewater treatment and dispersal system may have a variety of components and may include:

1. Control Panel – Controlling 1 or more pumps, recording pump counts and historic run time, receiving input from system floats and sensors, etc.
2. Septic Tank – To settle solids and prevent them from plugging the treatment and dispersal systems. In some cases this tank may have a pump to transfer the liquid waste to the process tank
3. Process Tank – This tank houses a pump that feeds the AdvanTex® unit. This tank may also incorporate the septic tank into its design.
4. AdvanTex® Textile Filter – This is the heart of your treatment system; it is approximately 3 feet by 7 feet with a full sized lid at grade. The lid is a green textured fiberglass.
5. A Dispersal Field Pump Basin – If required, to pump the effluent to the dispersal field.
6. Dispersal Field – A subsurface dispersal field to get rid of the treated wastewater.

## **CONTROL PANEL TASK:** (As required or appropriate.)

1. Inspect the control panel enclosure for damage and for proper weather-tight closure.
2. Record the readings of the elapsed time meter and the cycle counter.
3. Record the motor run amps and voltages.
4. Check the pump operations, the automatic operation of the alarm floats, the recirc timer on the floats, the discharge timer on/off, and timer overrides.
5. Verify that the programmable timer settings for all pumps are correct and record any changes.
6. Confirm operation of audible and visual alarms.

**SEPTIC TANK TASK** (As required or appropriate.)

Measure the depths of sludge and scum in the septic tank, provided the tank is equipped with access covers that are at grade and easily removable by hand.

**SEPTIC TANK PUMP SYSTEM OR PUMP STATION TASK** (As required or appropriate.)

1. Verify that there are no obvious holes or leaks in the riser or around the perimeter of the riser connection to the tank.
2. Inspect the splice box to ensure lid and connections are secure.
3. Verify that the float cords are in good condition, properly secured to the float tree, and situated such that they cannot interfere with the operation of the floats.
4. Verify the proper operation of all the pumps, floats, and alarms. Adjust settings for low water, override, and high water floats if necessary.
5. Determine if the effluent filter cartridge needs to be maintained and clean if required.
6. Inspect the recirculating splitter valve and verify that the liquid level in the tank is within the normal range. Remove, disassemble, and inspect splitter valve, and adjust if necessary.
7. Exercise all mechanical valves to ensure proper operation.

**PROCESSING TANK TASK** (As required or appropriate.)

1. Verify that there are no obvious holes or leaks in the riser or around the perimeter of the riser connection to the tank.
2. Inspect the splice box to ensure lid and connections are secure.
3. Verify that the float cords are in good condition, properly secured to the float tree, and situated such that they cannot interfere with the operation of the floats.
4. Verify the proper operation of all the pumps, floats, and alarms. Adjust settings for low water, override, and high water floats if necessary.
5. Determine if the effluent filter cartridge needs to be maintained and clean if required.
6. Inspect the recirculating splitter valve and verify that the liquid level in the tank is within the normal range. Remove, disassemble, and inspect splitter valve, and adjust if necessary.
7. Exercise all mechanical valves to ensure proper operation.

**ADVANTEX® TEXTILE FILTER TASK** (As required or appropriate.)

1. Assess the character and color of biomat buildup and check the odor emanating from the filter.
2. Inspect for ponding and excessive biomat buildup on the textile media and clean if required.
3. Flush all of the individual laterals.
4. Monitor the squirt level for each of the laterals and compare against start-up value if available.
5. Perform bottle-brush cleaning of the laterals if required.
6. Retest for correct squirt level if required.
7. Exercise all mechanical valves to ensure proper operation.

**FINAL DISPOSAL PUMP BASIN TASK** (As required or appropriate.)

1. Inspect the lid for damage and for proper closure and weather-tight seal.
2. Inspect the splice box to ensure lid and connections are secure.
3. Verify that the float cords are in good condition, properly secured to the float tree, and situated such that they cannot interfere with the operation of the floats.
4. Verify the proper operation of all the pumps, floats, and alarms. Adjust settings for low water, override, and high water floats if necessary.
5. Check the maximum normal high water level.
6. Exercise all mechanical valves to ensure proper operation.

**DISPOSAL FIELD TASK** (As required or appropriate.)

1. The disposal field area will be monitored for visible signs of failure such as ponding.
2. If liquid level monitors have been installed, the liquid levels will be observed and recorded.

**ITEMS NOT COVERED BY A ROUTINE MAINTENANCE**

The following items are not covered under the Maintenance Fee:

1. Corrective and/or repair maintenance if necessary, except as described above.
2. Any effluent sampling and analysis.
3. The cost of tank pumping if required.
4. Any emergency and or any other unscheduled maintenance and/or service calls to the System address.

All of the above items can be performed at the request of the System Owner for an additional charge. Any such maintenance services provided by RMS shall be billed at RMS's standard rates for labor & materials.