

RAINWATER HARVESTING PREVENTATIVE MAINTENANCE SERVICE

Service includes the below items to be performed in one day during normal business hours (7-3:30). Due to each system being engineered differently, any additional work or parts discovered during the service will be quoted for future replacement. STH recommends that this service be performed every 12 months. *Please note that storage tank cleaning and pumping is NOT part of this PM Program. *Excludes any parts broken during cleaning, removal or replacement.

Overall System

Perform visual inspection of overall system. Inspection (Rust, Leaks, Visible Wear, Stress, Water Quality) Yes ___ No ___

Primary Filtration

Inspect and clean 25 micron Self Cleaning Filters. (Confirm: Backwash Operation, Inspect Tank Blow Down, Verify Pressure Differential Setting) Yes ___ No ___

Secondary Treatment

Inspect and verify proper operation of Ozone System (Verify ORP Operation, document readings) Yes ___ No ___

Under Ground Water Storage Tank

<input type="checkbox"/>	Visually Inspect Tank at grade level from hatch	Yes ___ No ___
<input type="checkbox"/>	Check Transducer operation	Yes ___ No ___
<input type="checkbox"/>	Inspect controls (e.g, pressure switches, floats)	Yes ___ No ___
<input type="checkbox"/>	Visually check from hatch for suspended solids	Yes ___ No ___
<input type="checkbox"/>	Does Tank need to be pumped out?	Yes ___ No ___

BOOSTER PUMP SYSTEM PM CHECK LIST

STH to perform the following: P1 P2 P3 P4

- Record Suct PSI ____ & Disch ____ each pump:
- Record amperage, voltage and temp of each pump:
 - Churn, Amp/Volt:
 - Flow, Amp/Volt:
 - Volute Temp:
 - Motor Temp:
- Compare the above performance to the original day one recordings and comment. _____

Record and confirm pressure switch sequencing settings and operation:

- High System Pressure Switch and Alarm _____
- Lead System Pressure Switch and Alarm _____
- Lag System Pressure Switch and Alarm _____
- Low System Pressure Switch and Alarm _____
- Low Suction Pressure Switch and Alarm _____
- Check Transducer operation Yes ___ No ___
- Check operation of City Water By-Pass Yes ___ No ___
- Confirm electrical/mechanical Temperature Relief valves are operational Yes ___ No ___
- Record Hydro-Tank pressure _____ and confirm tank condition: ___ Good? ___ Fair? ___ Poor?
- Check minimum run timer operation and record the duration:
- Operate "Lag" pumps on systems without auto alternation.
- Check motor bearings and lubricate as necessary.
- Confirm motor rotation is correct. Yes ___
- Check for leaks in mechanical seals and pilot connections.
- Check all electrical connections within the control panel.
- Open, inspect, and clean PRV's including pencil strainers, checks and orifice elbows.
- Adjust PRV's as necessary.
- Check all controller status lighting and pressure gauges.
- Take Pictures of the complete unit and all items that are not normal.
- Over-All Condition of system. ___ Good? ___ Fair? ___ Poor?
- There is an additional charge for all parts used and for labor beyond 8 hours per visit.**

◆ This service will renew automatically unless cancelled by customer within 30 days of renewal date.