

## SCOPE OF WORK

### RWIR System – Rainwater pumping w/ mechanical filtration:

- Inspect/replace filter consumables;
- Clean/flush filter housings;
- Inspect cistern pumps (inspection performed outside of the cistern) and distribution pumps for seal damage, leaks, noise, vibration, and amperage;
- Calibrate float switches and/or level transducers;
- Confirm the operation of all control panel components and clean/replace the control panel fan filter;
- Confirm the correct operation of the control program/relay logic in all modes;
- Test the alarm conditions of the control program/relay logic;
- Review the control program and/or VFD alarm history;
- Verify the operation and totalizing of flow meters;
- Visually inspecting the day tank, cistern, and/or floating suction (if made accessible without a confined space or working at heights permit by the customer);
- Manually activate the solenoid valves to confirm system operation;
- Examine the skid and nearby piping (limited to the same room as the rainwater harvesting system) for damage/leaks;
- Check the air pressure of the pressure tanks located on the rainwater harvesting system; and
- Complete seasonal shutdown/start-up activities (draining the system of water or filling it back up), if applicable.

### RWH System – Rainwater pumping w/ mechanical filtration, plus any of the following: UV treatment and/or chemical treatment:

- Inspect/replace filter consumables;
- Clean/flush filter housings;
- Inspect booster pump for seal damage, leaks, noise, vibration, and amperage;
- Inspect/replace UV lamps and clean/replace quartz sleeves;
- Calibrate float switches and/or level transducers;
- Confirm the operation of all control panel components and clean/replace the control panel fan filter;
- Confirm the correct operation of the control program/relay logic in all modes;
- Test the alarm conditions of the control program/relay logic;
- Review the control program and/or VFD alarm history;
- Verify the operation and totalizing of flow meters;
- Visually inspect the day tank, cistern, and/or floating suction (if made accessible without a confined space or working at heights permit by the customer);
- Manually activate the solenoid valves to confirm system operation;
- Examine the skid and nearby piping (limited to the same room as the rainwater harvesting system) for damage/leaks;
- Check the air pressure of the pressure tanks located on the rainwater harvesting system; and
- Complete seasonal shutdown/start-up activities (draining the system of water or filling it back up), if applicable.

### RWH-GR System – Rainwater pumping w/ mechanical filtration & ozone treatment, plus any of the following: UV treatment and/or chemical treatment:

- Inspect/replace filter consumables;
- Clean/flush filter housings;
- Inspect cistern pumps (inspection performed outside of the cistern), distribution pumps, and ozone recirculation pumps for seal damage, leaks, noise, vibration, and amperage;
- Inspect/replace peristaltic pump tubing if damaged;
- Inspect/replace UV lamps and clean/replace quartz sleeves;
- Calibrate float switches and/or level transducers;
- Confirm the operation of all control panel components and clean/replace the control panel fan filter;
- Confirm the correct operation of the control program/relay logic in all modes;
- Test the alarm conditions of the control program/relay logic;
- Review the control program and/or VFD alarm history;
- Verify the operation and totalizing of flow meters;
- Visually inspecting the day tank, cistern, and/or floating suction (if made accessible without a confined space or working at heights permit by the customer);
- Verify the generation and flow of ozone;
- Check the ozone components for leaks;
- Confirm the operation of the ozone destruct;
- Clean/replace the ozone generator air filter;
- Test/calibrate the ambient ozone monitor;
- Manually activate the solenoid valves to confirm system operation;
- Examine the skid and nearby piping (limited to the same room as the rainwater harvesting system) for damage/leaks;
- Check the air pressure of the pressure tanks located on the rainwater harvesting system; and
- Complete seasonal shutdown/start-up activities (draining the system of water or filling it back up), if applicable.