Monitoring Inspection/Maintenance Log

Opti Facility	
Inspected By:	
Date and Time:	
Weather:	

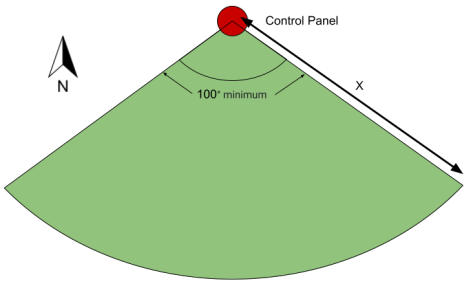
Recommended: bring the list of tools found in Inspections_Tool_Kit.pdf to perform maintenance and repairs as needed. Contact Opti Support (support@optirtc.com or 1-844-678-4782 ext. 02) if major repairs are necessary.

Monitoring Panel:

Checklist Item	Result
Inspect interior of Opti Monitoring Panel for water intrusion or pest infestation	
Inspect all exposed conduit for damage or loose connections. Repair if necessary.	
Replace Thunder coin cell battery - **plus side out**. Battery type: CR1220s (found at Home Depot). Example: 	

Comments / Notes:

Solar Kit:

Checklist Item	Result
Wipe solar panels with cotton cloth	
Check 12V battery charge with multimeter	Battery Voltage:
Remove any vegetation directly blocking the solar panel. Note tree canopy coverage and inform Opti/Site if significant blockage shading solar.	
Panels ideally have at least 100’ of open horizontal space and 75’ vertical space as shown below  	Estimated open horizontal space (ft): Estimated open vertical space (ft): *photo document if space requirements not met
Direction solar panel is facing	
Approx. angle of solar panel	

Comments / Notes:

Weather Station / Rain Gauge (if applicable)**:**

Contact Opti Support (support@optirtc.com or 1-844-678-4782) during inspection

Inspect rain gauge for debris, obstructions, and corrosion. Clear debris and obstructions as needed.	
Inspect the wire that runs from rain gauge to monitoring panel	
Ensure rain gauge wires are connected to the right terminals in the monitoring panel MKIII Weather Station (RS435 ports): Davis / Texas Electronics Rain Gauge (Rain Gauge ports):	
Call Opti Support and test if the rain gauge is working as expected by simulating a precipitation event by pouring small amounts of water into the rain gauge to see if this is reflected on the dashboard.	
Davis Rain Gauge : Open funnel by twisting anticlockwise and ensure there is no algae build up on the exit at the bottom of the rain gauge	

Comments/ Notes:

Water Level Sensor:

Note: if the site is dry during the maintenance visit, you will need a bucket of water to conduct the Pressure test

Checklist Item	Result
Winterization / de-winterization?	Yes / No
Clean sensor and stilling well	
Water level measurement (**if water is present)**	Survey point (e.g. top of OCS or weir wall): Distance to water (in): Time of measurement:
Sensor test **(if site is dry - Use "bucket test" for sensor calibration)**	Make sure the bucket is level. Measure the depth of water in the bucket. Place the sensor in a bucket for 10 minutes. Measurement 1 - Depth: Measurement 1 Start - Date / Time: Measurement 1 Finish - Date / Time: **After returning sensor to stilling well:** Survey point (e.g. top of OCS or weir wall): Distance from survey point to sensor location (in):
Junction box watertight / dry?	Y / N
Bellows dry?	Y / N

Comments / Notes:

Inspection Completion Checklist:

The following procedures should be completed prior to leaving the site. Where they are not completed, please explain what conditions were preventing them from being accomplished.

Checklist Item	Result
Close panel door, double checking seals where necessary.	
Submit photo documentation of hardware and general field conditions	

Completed By: _____ Signature:_____Date:_____