Suggested Periodic Maintenance for Automatic Tank Gauges and Sensors

Maintenance	What To Do or Check	Check if
Operation		done
Automatic	Owner or Station Attendant	
Tank Gauge	1. Check printer for paper.	
Console	2. Print out or check system inventory and verify to actual inventory.	
	3. Print out or record system setup values, then verify if battery backup is	
	working by powering the unit down and then back up with the circuit	
	breaker. If programming is lost, the battery is bad and the unit needs	
	service.	
	4. Verify in-tank tests are being performed as required by printing reports.	
	5. Press Alarm/Test button to verify power, warning and alarm indicators	
	light and audible alarm sounds.	
	6. Verify line leak tests are being performed if line leak installed.	1
Automatic	Owner or Station Attendant	
Tank Gauge	1. Inspect probe cables for any cracking or swelling.	
Probes		
	Vendor Technician	
	2. Replace probe cables if necessary.	
	3. Verify epoxy kits have been installed on field wiring.	
	4. Magnetostrictive probes only – Inspect floats and probe shaft for any	
	residue build up. Clean if necessary.	
	5. Capacitance probes only – Run diagnostic check on probe and verify	
	there are no open or shorted segments.	
Volumetric	Owner or Station Attendant	
Line	1. During or immediately after running a 3.0 gph self-test, visually inspect	
Leak	the flexible fuel lines for leakage.	
Detection	2. Check flexible fuel control lines for any chafing or excessive corrosion.	
System		
	Vendor Technician	
	3. Replace check valve filters if necessary.	
	4. Verify epoxy kits have been installed on field wiring.	
Pressurized	Owner or Station Attendant	
Line	1. Check submersible pump head for leakage at PLLD port and functional	
Leak	element with pump on.	
Detector	2. Check line leak sensor cable for any cracking or damage.	
	Vendor Technician	
	3. Verify epoxy kits have been installed on field wiring.	
	4. Replace sensor if cables are cracked or damaged.	

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Wireless	Owner or Station Attendant	
Pressurized	1. Check submersible pump head for leakage at WPLLD port and functional	
Line	element with pump on.	
Line	element with pump on.	
Detector		
	Owner or Station Attendant	
Piping Sump	1. Inspect sensors to verify float moves freely.	
Sensor (float	 2. Turn sensor upside down to verify the monitor liquid alarm is activated. 	
type)	2. Turn sensor upside down to verify the monitor inquid aratin is activated.	
	Vendor Technician	
	3. Verify epoxy kits have been installed on field wiring.	
Dispenser	Owner or Station Attendant	
Pan	1. Inspect sensor cables for any cracking or swelling.	
Sensor	2. Verify sensor is firmly secured in an upright position on the bottom of the	
School	pan.	
	Vendor Technician	
	3. Verify epoxy kits have been installed on field wiring.	
	4. Replace sensor if cables are cracked or damaged.	
Containment	Owner or Station Attendant	
Sump Sensor	1. Inspect sensor cables for any cracking or swelling.	
	2. Verify sensor is firmly secured in an upright position on the bottom of the	
	containment sump.	
	1	
	Vendor Technician	
	3. Verify epoxy kits have been installed on field wiring.	
	4. Replace sensor if cables are cracked or damaged.	
Vapor Sensor	Owner or Station Attendant	
	1. Inspect sensor cables for any cracking or swelling.	
	Vendor Technician	
	2. Verify epoxy kits have been installed on field wiring.	
	3. Replace sensor if cables are cracked or damaged.	
Groundwater	Owner or Station Attendant	
Sensor	1. Inspect sensor cables for any cracking or swelling.	
	2. Lift sensor above water level in the well and verify the system activates a	
	"Water Out" alarm.	
	Vendor Technician	
	3. Verify epoxy kits have been installed on field wiring.	
	4. Replace sensor if cables are cracked or damaged.	
Hydro at - 4' -	5. If the sensor does not alarm (item 2 above) replace the sensor.	
Hydrostatic	Owner or Station Attendant	
Sensor	1. Inspect sensor cables for any cracking or swelling.	
	Vendor Technician	
	2. Remove sensor from brine reservoir and verify floats move freely. With	
	sensor in its upright position, the system should activate a "Fuel Alarm".	
	Turn the sensor upside down to be sure the system activates a "Water	
	Alarm". If the sensor does not alarm in both conditions, replace the	
	sensor.	
	Jenson.	

3. Verify epoxy kits have been installed on field wiring.	
4. Replace sensor if cables are cracked or damaged.	