

ANNUAL UST SYSTEM INSPECTION CHECKLIST									
Facility ID#	Facility Name/Address		Qualified Technician Signature			Date			
	University Marathon, 111 E. Ireland Rd, South Bend		Edward Jacobs			08/28/2023			
If any problem is found, contact:				Contact information:					
Category	Description	PEI/RP900	N/A	NL	PREM	DSL			
Monthly Inspections	Complete monthly checklist and compare to previously completed monthly checklists	8.4.1	✓						
	Monthly inspections reviewed and found adequate	8.4.2	✓						
ATG Manhole		8.8							
ATG Manhole	Cap in good condition, seals tightly, hole sealed where probe wire goes through	8.8.1		✓	✓	✓			
	Wire splices sealed and wire in good condition	8.8.2		✓	✓	✓			
	Junction box has cover, not corroded; intrinsically safe wiring in good condition	8.8.3		✓	✓	✓			
	No exposed wires	8.8.4		✓	✓	✓			
	Probe and floats in good condition, both floats present and move freely (mag probe)	TEST DATE: 08/28/2023 8.8.5		✓	✓	✓			
	Verify functionality of ATG probe	TEST DATE: 08/28/2023 8.8.6		✓	✓	✓			
	Manhole cover in good condition	8.8.7		✓	✓	✓			
	Adequate clearance between ATG grade-level cover and below-grade components	8.8.8		✓	✓	✓			
Fill Area		8.9							
Drop Tube	Drop tube extends to within 6 inches of the tank bottom (if no flow diffuser present)	8.9.1		✓	✓	✓			
Vapor Recovery Adaptor	Poppet of Stage I vapor recovery adaptor (also known as a "dry break") moves freely, seals tightly	8.9.2		✓	✓	N/A			
Single-Walled Spill Containment Manhole	Single-walled spill containment manhole tightness tested within last 3 years	TEST DATE: 8.9.3	✓						
Double-Walled Spill Containment Manhole	Double-walled spill containment manhole tightness tested within last 3 years OR inspected monthly	TEST DATE: 07/12/2022 8.9.4		✓	✓	✓			
Overfill Prevention		8.10							
Drop Tube Shutoff (Flapper Valve)	Drop tube shutoff valve passes inspection	EVALUATION DATE: 8.10.1.1		✓	✓	✓			
	For drop tube shutoff valves in diesel tanks, excessive corrosion not present	8.10.1.2		N/A	N/A	✓			

Category	Description	PEI/RP900	N/A	NL	PREM	DSL	
Ball Float Valve	Ball float can be removed and inspected	8.10.2.1	✓				
	Ball float valve passes inspection	EVALUATION DATE:	8.10.2.2	✓			
	For ball float valves in diesel tanks, excessive corrosion not present		8.10.2.3	✓			
Overfill Alarm	Overfill alarm passes inspection	EVALUATION DATE:	8.10.3.1				
Leak Detection			8.11				
ATG Console	ATG passes annual inspection	EVALUATION DATE: 08/28/23	8.11.1.1		✓	✓	✓
	Console has no active warnings or alarms		8.11.1.2		✓	✓	✓
	Alarm history shows no recurring leak alarms		8.11.1.3		✓	✓	✓
	Verify in-tank leak detection tests are being completed (if used for leak detection)		8.11.1.4		✓	✓	✓
	Verify correct set-up parameters for electronic line leak detector (if present)	VERIFICATION DATE:	8.11.1.5	✓			
	Verify piping leak detection tests are being completed (if used for leak detection)		8.11.1.6	✓			
Electronic Leak Detection Monitor	Leak monitoring console is operational and has no active warnings or alarms		8.11.2.1	✓			
Line Tightness Testing	If pressurized piping has been tested in the last year, review the results and verify that the test passed	TEST DATE: 08/27/2022	8.11.3.1		✓	✓	✓
	If suction piping has been tested within the last 3 years, review the results and verify that the test passed	TEST DATE:	8.11.3.2	✓			
	ELLD has conducted a 0.1 gph test in the last year	TEST DATE:	8.11.3.3	✓			
Under Pump Check Valve (Suction Pump)	Below-grade piping operates at less than atmospheric pressure		8.11.4.1	✓			
	Below-grade piping slopes continuously back to the tank		8.11.4.2	✓			
	There is only one check valve, and it is located as close as practicable to the suction pump		8.11.4.3	✓			
Tank Tightness Testing	Tank is 10 years old or less		8.11.5.1		✓	✓	✓
	If a tank test has been conducted within the last 5 years, review the results and verify that the test passed	TEST DATE: 08/27/2022	8.11.5.2		✓	✓	✓
Statistical Inventory Reconciliation (SIR)	SIR results for the previous 12 months are "pass"		8.11.6.1	✓			

Category	Description	TEST DATE:	PEI/RP900	N/A	NL	PREM	DSL
Continuous Soil Vapor Monitoring	Sensing device tested	TEST DATE:	8.11.7.1	✓			
Continuous Ground-water Monitoring	Sensing device tested	TEST DATE:	8.11.8.1	✓			
Corrosion Protection			8.12				
Galvanic Cathodic Protection	Verify that cathodic protection testing of all metallic components in contact with soil or water has been conducted within the past 3 years and the test passed	TEST DATE:	8.12.1.1	✓			
Impressed Current Cathodic Protection	Verify that cathodic protection testing has been conducted within the past 3 years and the test passed	TEST DATE:	8.12.2.1	✓			
	No exposed wires		8.12.2.2	✓			
Tank Lining	Lining inspected as required and in good condition	TEST DATE:	8.12.3.1	✓			
Miscellaneous Inspection Items			8.13				
Tank Pad & Pavement	Concrete or asphalt over or near tanks is level, no significant cracks		8.13.1.1		✓	✓	✓
Stage II Liquid Collection Points	Cap in good condition, fits tightly, little or no liquid in bottom		8.13.2.1	✓			
Stage I Testing	Verify that Stage I testing has been conducted and test results are passing	TEST DATE: 08/28/2023	8.13.3.1		✓	✓	✓
Stage II Testing	Verify that Stage II testing has been conducted and test results are passing	TEST DATE:	8.13.4.1	✓			
Site Diagram	Site diagram accurately reflects the site conditions		8.13.5.1	✓			
DESCRIBE ANY DEFICIENCIES HERE:							
Instructions: Mark each tank where no problem is observed with a checkmark: ✓ If certain equipment is not required and / or not present, mark checklist in the N/A column. If a defect is found, mark the checklist with an "X," describe the problem in the "DEFICIENCIES" section, and notify the appropriate person. Refer to the section listed in the "PEI/RP900" column for additional information. Refer to PEI RP500, <i>Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment</i>, for inspection procedures that apply to fuel dispensing equipment.							

ID#:		ANNUAL STP INSPECTION CHECKLIST				Date: 08/28/2023			
Category	Description	PEI/RP900	N/A	NL	PREM	DSL			
Submersible Turbine Pump (STP)									
All STP	Visible piping and fittings show no signs of leaking	8.6.1		✓	✓	✓			
	Piping in good condition	8.6.2		✓	✓	✓			
	Excessive corrosion not present	8.6.3		✓	✓	✓			
	Sump free of trash and debris	8.6.5		✓	✓	✓			
	Junction box(es) have covers, not corroded; conduit and intrinsically safe wiring in good condition	8.6.8		✓	✓	✓			
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	8.6.9		✓	✓	✓			
	Mechanical line leak detector properly vented, vent tube not kinked or twisted, vent tube fittings intact and tightened	8.6.10		✓	✓	✓			
	Mechanical line leak detector passes 3.0 gallons per hour (gph) test	TEST DATE: 08/28/2023 8.6.11		✓	✓	✓			
	Electronic line leak detector (ELLD) passes 3.0 gph test	TEST DATE: 8.6.12	✓						
	ELLD passes 0.2 gph test	TEST DATE: 8.6.13	✓						
	ELLD passes 0.1 gph test	TEST DATE: 8.6.14	✓						
	Manhole cover at grade in good condition, does not touch sump cover, all bolts present, handles and lift mechanism in good condition (as applicable)	8.6.24		✓	✓	✓			
	STP: No Containment Sump	Submersible pump head, flex connector(s) and other metallic product piping are not in contact with soil or water or are cathodically protected	8.6.17	✓					
STP: In Containment Sump	Any water or product removed and disposed of properly	8.6.4	✓						
	Sump is free of cracks, holes, bulges or other defects	8.6.6		✓	✓	✓			
	Penetration fittings intact and secured	8.6.7		✓	✓	✓			
	Piping interstitial space open to the STP sump (open double-walled piping system only)	8.6.20		✓	✓	✓			
	Piping interstitial space closed to the STP sump (closed double-walled piping system only)	8.6.22	✓						
	Sump lid, gasket and seals present and in good condition	8.6.23		✓	✓	✓			
STP: In Single-Walled Containment Sump	Single-walled sump tested for integrity every 3 years	TEST DATE: 07/12/2022 8.6.18		✓	✓	✓			

Category	Description	PEI/RP900	N/A	NL	PREM	DSL	
STP: In Double-Walled Containment Sump	If not continuously monitored or inspected annually, double-walled sump tightness tested every 3 years	TEST DATE:	8.6.19	✓			
DESCRIBE ANY DEFICIENCIES HERE:							

JACOBS
Professional Services, LLC

ID#:		ANNUAL DISPENSER INSPECTION CHECKLIST				Date: 08/28/2023			
Category	Description	PEI/RP900	N/A	1/2	3/4	5/6	7/8	9/10	
Initial Fuel Dispenser Inspection		8.5							
All Dispensers	All dispenser components are clean and dry	8.5.1		✓	✓	✓	✓	✓	
	If dispenser sump is present, sump is dry	8.5.2		✓	✓	✓	✓	✓	
Fuel Dispenser Inspection		8.6							
All Dispensers	Visible piping and fittings show no signs of leaking	8.6.1		✓	✓	✓	✓	✓	
	Piping in good condition	8.6.2		✓	✓	✓	✓	✓	
	Dispenser containment sump free of trash and debris	8.6.5		✓	✓	✓	✓	✓	
	Junction box(es) have covers, not corroded, conduit and intrinsically safe wiring in good condition	8.6.8		✓	✓	✓	✓	✓	
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	8.6.9		✓	✓	✓	✓	✓	
	Shear valves operate freely and close completely	8.6.15		✓	✓	✓	✓	✓	
	Stage II piping functional or else capped and sealed at an elevation lower than the fuel dispenser island	8.6.16	✓						
Dispensers Without Sumps	Flex connectors and other metallic product piping are not in contact with soil or water or are cathodically protected	8.6.17	✓						
Dispensers With Sumps	Any water or product removed and disposed of properly	8.6.4	✓						
	Sump free of cracks, holes, bulges, or other defects	8.6.6		✓	✓	✓	✓	✓	
	Penetration fittings intact and secured	8.6.7		✓	✓	✓	✓	✓	
	Piping interstitial space open to the dispenser sump or dispenser pan (open double-walled piping system only)	8.6.21	✓						
	Piping interstitial space closed to the dispenser sump (closed double-walled piping system only)	8.6.22		✓	✓	✓	✓	✓	
Dispensers With Single-Walled Sumps	Single-walled sump tested for integrity every 3 years	TEST DATE: 07/12/2022	8.6.18		✓	✓	✓	✓	
Dispensers With Double-Walled Sumps	If not continuously monitored or inspected annually, double-walled sump tightness tested every 3 years	TEST DATE:	8.6.19	✓					
DESCRIBE ANY DEFICIENCIES HERE:									

ID#:		ANNUAL LEAK DETECTION DEVICE INSPECTION CHECKLIST				Date: 08/28/2023		
Category	Description	PEI/RP900	N/A	NL	PREM	DSL		
Leak Detection Device. Describe location (e.g., interstitial, STP, fill, dispenser) on this row:		8.7						
Liquid Sensor	Sensor tested and functional TEST DATE: 08/28/2023	8.7.1		✓	✓	✓		
	Sensor properly mounted at the bottom of the containment sump or pan (containment sump or pan sensor only)	8.7.3		✓	✓	✓		
	Sensor properly mounted at the bottom of double-walled tank (double-walled tank sensor only)	8.7.4		✓	✓	N/A		
Discriminating Sensor	Sensor tested and functional TEST DATE:	8.7.1	✓					
	Sensor properly mounted at the bottom of the containment sump or pan (containment sump or pan sensor only)	8.7.3	✓					
	Sensor properly mounted at the bottom of double-walled tank (double-walled tank sensor only)	8.7.4	✓					
Hydrostatic Sensor	Sensor tested and functional TEST DATE:	8.7.1	✓					
	Hydrostatic sensor properly positioned	8.7.5	✓					
Vacuum/Pressure Sensor	Sensor tested and functional TEST DATE:	8.7.1	✓					
	Alarm sounds when pressure or vacuum is released TEST DATE:	8.7.2	✓					
	Entire interstitial space under pressure or vacuum (closed double-walled piping system only) TEST DATE:	8.7.7	✓					
Visually Monitored Double-Walled Sump	Leak detection device is within recommended limits	8.7.6	✓					
Dispenser Pan Float Mechanism	Sensor tested and functional TEST DATE:	8.7.1	✓					
	Dispenser pan float mechanism free to move and properly adjusted TEST DATE:	8.7.8	✓					
DESCRIBE ANY DEFICIENCIES HERE:								
PUL/DSL SENSOR HAS BEEN LIFTED AS THERE IS 1" OF WATER IN THE								
INTERSTITIAL SPACE.								

ID#:		ANNUAL FILL CONTAINMENT SUMP INSPECTION CHECKLIST				Date: 08/28/2023	
Category	Description	PEI/RP900	N/A	NL	PREM	DSL	
Fill Sump		8.6					
Fill Containment Sump	Any water or product removed and disposed of properly	8.6.4	✓				
	Visible piping and fittings show no signs of leaking	8.6.1	✓				
	Piping in good condition	8.6.2	✓				
	Excessive corrosion not present	8.6.3	✓				
	Sump free of trash and debris	8.6.5	✓				
	Sump is free of cracks, holes, bulges or other defects	8.6.6	✓				
	Penetration fittings intact and secured	8.6.7	✓				
	Junction box(es) have covers, not corroded; conduit and intrinsically safe wiring in good condition	8.6.8	✓				
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	8.6.9	✓				
	Piping interstitial space open to the fill sump (open double-walled piping system only)	8.6.20	✓				
	Piping interstitial space closed to the fill sump (closed double-walled piping system only)	8.6.22	✓				
	Sump lid, gasket and seals present and in good condition	8.6.23	✓				
	Manhole cover at grade in good condition, does not touch sump cover, all bolts present, handles and lift mechanism in good condition (as applicable)	8.6.24	✓				
	Single-Walled Fill Sump	Single-walled sump tested for integrity every 3 years	TEST DATE:	8.6.18	✓		
Double-Walled Fill Sump	If not continuously monitored or inspected annually, double-walled sump tightness tested every 3 years	TEST DATE:	8.6.19	✓			
DESCRIBE ANY DEFICIENCIES HERE:							

ID#:		ANNUAL TRANSITION SUMP INSPECTION CHECKLIST				Date: 08/28/2023		
Category	Description	PEI/RP900	N/A	NL	PREM	DSL		
Transition Sump		8.6						
Transition Sump	Any water or product removed and disposed of properly	8.6.4	✓					
	Visible piping and fittings show no signs of leaking	8.6.1	✓					
	Piping in good condition	8.6.2	✓					
	Sump free of trash and debris	8.6.5	✓					
	Sump is free of cracks, holes, bulges, or other defects	8.6.6	✓					
	Penetration fittings intact and secured	8.6.7	✓					
	Junction box(es) have covers, not corroded; conduit and intrinsically safe wiring in good condition	8.6.8	✓					
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	8.6.9	✓					
	Piping interstitial space open to the transition sump (open double-walled piping system only)	8.6.20	✓					
	Piping interstitial space closed to the transition sump (closed double-walled piping system only)	8.6.22	✓					
	Sump lid, gasket and seals present and in good condition	8.6.23	✓					
	Manhole cover at grade in good condition, does not touch sump cover, all bolts present, handles and lift mechanism in good condition (as applicable)	8.6.24	✓					
Single-Walled Transition Sump	Single-walled sump tested for integrity every 3 years	TEST DATE:	8.6.18	✓				
Double-Walled Transition Sump	If not continuously monitored or inspected annually, double-walled sump tightness tested every 3 years	TEST DATE:	8.6.19	✓				
DESCRIBE ANY DEFICIENCIES HERE:								

ID#:		ANNUAL "OTHER" SUMP INSPECTION CHECKLIST				Date: 08/28/2023	
Category	Description	PEI/RP900	N/A	NL	PREM	DSL	
Other Sump. Describe location or function (e.g., suction piping, tank manhole) on this row:		8.6					
Other Sump	Any water or product removed and disposed of properly	8.6.4	✓				
	Visible piping and fittings show no signs of leaking	8.6.1	✓				
	Piping in good condition	8.6.2	✓				
	Sump free of trash and debris	8.6.5	✓				
	Sump is free of cracks, holes, bulges, or other defects	8.6.6	✓				
	Penetration fittings intact and secured	8.6.7	✓				
	Junction box(es) have covers, not corroded; conduit and intrinsically safe wiring in good condition	8.6.8	✓				
	Flexible connectors not frayed, twisted, kinked or bent beyond manufacturer specifications	8.6.9	✓				
	Piping interstitial space open to the sump (open double-walled piping system only)	8.6.20	✓				
	Piping interstitial space closed to the sump (closed double-walled piping system only)	8.6.22	✓				
	Sump lid, gasket and seals present and in good condition	8.6.23	✓				
	Manhole cover at grade in good condition, does not touch sump cover, all bolts present, handles and lift mechanism in good condition (as applicable)	8.6.24	✓				
	Single-Walled Other Sump	Single-walled sump tested for integrity every 3 years	TEST DATE:	8.6.18	✓		
Double-Walled Other Sump	If not continuously monitored or inspected annually, double-walled sump tightness tested every 3 years	TEST DATE:	8.6.19	✓			
DESCRIBE ANY DEFICIENCIES HERE:							