

# MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

## ANNUAL AUTOMATIC TANK GAUGING EQUIPMENT INSPECTION

➤ This form may be utilized to document the proper operation of automatic tank gauging (ATG) equipment.

➤ ATG equipment that is utilized to meet the tank or pipe leak detection requirements is required to be inspected once every 12 months. ATG may be conducting monthly 0.2 gph leak tests or Statistical Inventory Reconciliation.

➤ In the absence of a recognized industry procedure or manufacturer's recommended practice, the methodology outlined below (see "MDEQ Automatic Tank Gauging Equipment Inspection Procedure") may be utilized.

Date of Inspection

UST Facility			Person Conducting Inspection		
Facility Name		MDEQ Facility ID #	Inspector's Name		
Physical Address			Company		
City	County	State <b>MS</b>	MDEQ Certification #	Expiration Date	
UST Owner			Inspector's Signature		Date

### Automatic Tank Gauging Equipment Identification

Manufacturer		Model	Console Serial Number		
Type of Leak Detection	Tank 0.2 gph leak tests: ( <input type="checkbox"/> Static <input type="checkbox"/> Continuous ) <input type="checkbox"/> Statistical Inventory Reconciliation <input type="checkbox"/> Electronic Line Leak Detector (0.2 or 0.1 gph leak test) <input type="checkbox"/> Other: _____				

- MDEQ Automatic Tank Gauging Equipment Inspection Procedure**
1. Inspect console and verify that it has no active or recurring history of 0.2 gph leak detection-related warnings or alarms.
  2. Confirm that both the visual and audible alarms on the ATG console function correctly.
  3. Verify that the correct set-up parameters are input and the automatic tank gauge is performing 0.2 gph leak testing.
  4. Measure the fuel and water contents of the tank and compare with the ATG inventory report ensuring that they are the same.
  5. Remove tank probes and clean ensuring all floats move freely without binding and that the probe is in good condition.
  6. Ensure that the probe fuel and water floats are the correct type for the product stored in the tank.
  7. Reposition the fuel and water floats, measure distance from bottom of the probe, and utilize tank charts to confirm accuracy of the ATG report for all manually obtained fuel or water levels.
  8. Reinstall probes ensuring that the tank riser cap seals properly and the communication cable seal is tight.
  9. If ATG is equipped with printer, attach the printed ATG set-up information to this form.

### Inspection Results for the Year

Tank / Compartment Identification						
Probe Serial Number						
Console functions are normal and no alarm condition exists	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Visual and audible alarms tested and function correctly	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Correct parameters are input and leak testing performed	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
All tank probes are in good condition and functioning properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Manually obtained fuel levels indicate ATG inventory is correct	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Manually obtained water levels indicate ATG inventory is correct	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tank cap, seals and communication cable are in good condition	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
ATG Set-up Information attached	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Inspection Result (Pass/Fail)						

Comments: