Iowa Department of Natural Resources
Underground Storage Tank Section
6200 Park Ave Ste 200
Des Moines, IA 50321

UST Monthly Manual Interstitial Monitoring

- This form may be used to document manual interstitial monitoring of secondarily contained UST systems.
- Interstitial monitoring is required on all secondarily contained UST systems installed after November 28, 2007.
- You must maintain a monthly written record that manual interstitial monitoring has been conducted by using this or a similar form.

UST Registration _____ **LUST** (if applicable) _____

UST Site Name: _____

Site Address: _____ City: _____ Zip: _____

Contact Person: _____ Phone: _____

Person Conducting Monitoring (if different from above)

Name: _____ Company: _____

Street: _____ Email: _____

City: _____ State: _____ Zip: _____ Phone: _____

Person's Signature: _____ Date: _____

Manual Interstitial Monitoring

UST System Components Manually Monitored (check all that apply)

☐ Double-walled Tank ☐ Double-walled Pipe ☐ STP Sump ☐ Dispenser Sump ☐ Transition Sump

Interstitial Space:

☐ Atmospheric (dry) ☐ Hydrostatically Monitored (Brine Filled) ☐ Vacuum Monitored ☐ Pressure Monitored

IOWA DNR MANUAL INTERSTITIAL MONITORING PROCEDURE

On the monitoring results form at the top of the page, record your observations of the following at least once per month:

1. To check the interstitial space of steel tanks: remove the grade-level cover and cap sealing the opening of the interstitial space. Insert the tank stick until it touches the bottom of the interstitial space. Remove stick to see if it is dry or wet. If the results are dry, record "Yes" on the log below. If the results are wet, record "No," and follow the procedures for reporting a release. Fiberglass tanks will have a flexible rod beneath the cap. Pull on the handle to remove the rod. Check the indicator at the end of the rod, and record results.
2. To check the interstitial space of piping: remove the grade-level covering and sump lid, inspect the sump for the presence of liquid. Is it product, water or a mixture of both? Indicate your observation in the log.
3. To check submersible turbine, transition sumps and other containment sumps: remove the grade-level cover and the sump lid. Visually inspect the sump for the presence of liquid. If the sump is dry, record the results as instructed above. If the sump contains liquid, record the results and follow the procedures for emptying water and/or product from sumps.

UDCs (Under Dispenser Containment): remove the cover to the dispenser. If the sump is deep, use an explosion proof flashlight to observe the bottom of the sump. Record the results as above. If there is product present, find out where it is coming from (fittings, meters, filters). Follow procedures for dealing with liquid in sumps and release reporting.

Monitoring Results* for the Month of _____ Year _____ *Monitoring results for Tank and Dispenser are separate						
Tank Number						
Product Stored (use key below)						
Component monitored: Tank/Pipe/Sump	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC	☐ Tank ☐ Pipe ☐ STP Sump ☐ Transition Sump ☐ UDC
Sumps dry and intact (free of cracks, holes, bulges, or other defects)?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
If you answered "No" to the question above, was the liquid removed and disposed of properly?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Dispenser Number						
UDCs dry and intact?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
If "No" to the question above, was the liquid removed and disposed of properly?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
UDC free of trash, debris and used filters?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
If "No" to the question above, was the trash, debris and used filters removed and disposed of properly?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

KEY: G – Gasoline D – Diesel K – Kerosene E10 E15 E85 B – Biodiesel MO – Motor Oil H – Hazardous Substance J – Jet Fuel A-Av Gas

Product or Water in Sump			
Date Liquid Removed	**Cause of Liquid in Sump (runoff/infiltration or product leak)**	**How was the infiltration/Leak Resolved?**	**Release reported to DNR?**
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No

If a release needs to be reported to the Iowa DNR, please call 515-725-8694.