MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Alternative Fuel / Hazardous Substances Compatibility Checklist

- This form may be utilized to document compatibility of UST system components. Certification must be done by a licensed MDEQ UST Installation contractor familiar with the model/brand and installation procedures for UST equipment to be certified.
- For existing facilities storing alternative fuels certification of UST components is required beginning October 5, 2018. For new facilities or facilities converting the product stored, certification should be done prior to bringing the UST system into use.
- Alternative fuels include fuels containing greater than 10% ethanol or greater than 20% biodiesel.
- Should any applicable component be found as not compatible then replacement of the component is required. Should any component be repaired or replaced after the initial certification of the system, then recertification is required.
- Use the checklist below to document each component. If using manufacturer approval letter for component, then a copy must be attached and clearly indicate that it was issued by the manufacturer with an affirmative statement of compatibility. If using Underwriters Laboratory (UL), the UL listing must specify compatibility with the alternative fuel to be stored.

UST Facility / Person Conducting Inspection

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

UST System Information

Reason for Inspection	☐ New Installation ☐ Change of Product Stored ☐ Repair / modification ☐ Release Investigation			
Product Stored		Tank 1:	Date of Installation / Capacity	☐ Single Walled ☐ Double Walled
% Ethanol or % Biodiesel		Pipe 1:	Date of Installation / ☐ Pressurized ☐ Suction	☐ Single Walled ☐ Double Walled

Compatibility Checklist

Component	Manufacturer	Model/Brand	UL Listed	UL Number	Manufacturer Approved
Tank 1			☐ Yes ☐ No		☐
Tank Lining			☐ Yes ☐ No		☐
Spill Bucket			☐ Yes ☐ No		☐
Overfill Device			☐ Yes ☐ No		☐
Submersible Pump, O-Rings, Gaskets			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
ATG In-Tank Probe			☐ Yes ☐ No		☐
Tank Interstitial Sensor			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Tank Top Piping Sump			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Pipe 1			☐ Yes ☐ No		☐
Pipe dope / Sealant / adhesive			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Pipe fittings / gaskets / seals			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐

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Pipe 1 Continued…

Component	Manufacturer	Model/Brand	UL Listed	UL Number	Manufacturer Approved
Flexible Connectors			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Shear Valves			☐ Yes ☐ No		☐
Line Leak Detector			☐ Yes ☐ No		☐
Pipe Interstitial Sensors			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Check Valve			☐ Yes ☐ No		☐
Piping Dispenser Sumps			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐

Comments:

Compatibility Checklist (Additional Tanks or Pipes)

Product Stored		Tank 2:	Date of Installation	Capacity	☐ Single Walled ☐ Double Walled
% Ethanol or % Biodiesel		Pipe 2:	Date of Installation	☐ Pressurized ☐ Suction	☐ Single Walled ☐ Double Walled

Compatibility Checklist

Component	Manufacturer	Model/Brand	UL Listed	UL Number	Manufacturer Approved
Tank 1			☐ Yes ☐ No		☐
Tank Lining			☐ Yes ☐ No		☐
Spill Bucket			☐ Yes ☐ No		☐
Overfill Device			☐ Yes ☐ No		☐
Submersible Pump, O-Rings, Gaskets			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
ATG In-Tank Probe			☐ Yes ☐ No		☐
Tank Interstitial Sensor			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Tank Top Piping Sump			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Pipe 1			☐ Yes ☐ No		☐
Pipe dope / Sealant / adhesive			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Pipe fittings / gaskets / seals			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Flexible Connectors			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Shear Valves			☐ Yes ☐ No		☐
Line Leak Detector			☐ Yes ☐ No		☐
Pipe Interstitial Sensors			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐
Check Valve			☐ Yes ☐ No		☐
Piping Dispenser Sumps			☐ Yes ☐ No		☐
			☐ Yes ☐ No		☐

Comments:

Links and Resources to Determine Compatibility

1.) Petroleum Equipment Institute – UST Component Compatibility Library
https://www.pei.org/ust-component-compatibility-library

2.) Steel Tank Institute – Alternative Fuels Storage Information and Links
https://www.steeltank.com/FabricatedSteelProducts/ShopFabricatedTanks/SteelandAlternativeFuels/tabid/465/Default.aspx

3.) California State Water Resources Control Board – Affirmative Statement of Compatibility by Manufacturer
https://www.waterboards.ca.gov/ust/alt_comp_opt/soc.html

4.) National Ethanol Vehicle Coalition
https://www.steeltank.com/Portals/0/pubs/E85/E85_Equipment_and_manufacturers_edit.pdf

5.) National Biodiesel Board
http://biodiesel.org/docs/ffs-performace_usage/materials-compatibility.pdf?sfvrsn=4

6.) UL Certification Website – Search Directory
http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm