

UNDERGROUND STORAGE TANK BIOFUEL INSTALLATION / CONVERSION CHECKLIST
 Department of Environmental Quality, Underground Storage Tank Program
degustprogram@mt.gov or 406.444.5300

Keep this form on site and available for your compliance inspector review.

This checklist is to be completed by the facility owner/operator. The owner/operator may use a professional engineer's judgment who has knowledge, experience and training in materials science (API, RP 1626, p. 1.4) to determine the suitability and compatibility of materials/ equipment/ components with E-blend fuels. In such a case, the Professional Engineer would complete the checklist and sign it. The owner must complete those items identified as the owner's responsibility in the checklist.

Facility Name		Facility Number (xx-xxxxx)	
Facility Street Address			
Facility City		Zip Code	
Owner Name			
Owner/Operator Contact Phone			
Total Number of Active UST Systems			

TANK INFORMATION (COMPLETE FOR EACH UST)

Fuel Stored: Ethanol Blend (greater than 10%) Biodiesel Blend (greater than 20%)

Tank Number (UST Database #)	Equipment Manufacturer	Model/Brand	UL Listed for Fuel Stored?		Manufacturer Approved for Fuel Stored?	
UST Construction Material			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Spill Bucket			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Overfill/Auto Shut-off/Ball Fit			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Drop Tube			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
STP/Suction Pump/O-Rings/Gaskets			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Leak Detection Probes			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Sump Monitoring Sensors			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

PIPING INFORMATION (COMPLETE FOR EACH UST)

Associated Tank Number (UST Database #)	Equipment Manufacturer	Model/Brand	UL Listed for Fuel Stored?		Manufacturer Approved for Fuel Stored?	
Piping Information: <input type="checkbox"/> Steel <input type="checkbox"/> Fiberglass <input type="checkbox"/> Flexible			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pipe Fittings/Valves			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Gaskets/seals			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Pipe Sealant/adhesive			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Flex Connectors			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Automatic Line Leak Detector (MLLD and PLLD)			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I certify by signature that I have personally examined and/or am familiar with the information submitted to verify system biofuel compatibility, and the information is true, accurate, and complete.

Signature: _____ **date:** _____

Responsibilities of Tank Owner/Operator before Blends of Greater than 10 percent Ethanol or 20 percent Biodiesel is Transferred to the Tank

- Determine equipment compatibility - Part I of this form.
- Check for water in the tank. No level of water is acceptable for gasoline-ethanol blended fuels due to the possibility of phase separation.
- All visible fittings and connections at the top of the tank are tight (no vapors escape and no water enters).
- Verify the appropriate vent top (pressure vacuum / updraft) is present for the type of product being stored.
- Stage I Vapor Recovery installed and operational if required.
- Sump and spill containment covers secured to prevent water from entering. Spill buckets should not have drain back mechanisms.
- Water infiltration problems fixed if necessary.
- The tank has been cleaned of all water and sediment per API Publication 2015 and NFPA 326. Company providing service:
Company providing service:
City: State: _____ Telephone #: _____
- Fill labeling - Identify fill port and paint access cover according to API RP 1637.
- Dispenser labeling – label dispenser in accordance

First Delivery

- Tank filled to 80 percent capacity (recommended by the Renewable Fuels Association or RFA) and kept as full as possible for 7 to 10 days.
- Conduct a precision test of the tank system (0.1 gph leak rate) with ATG system within seven days after tank is filled to make sure system is tight and leak detection equipment is operating properly. Report any "Fail" results.
- Test for water (use alcohol compatible paste if you stick your tanks) at the beginning of each shift for the first 48 hours after delivery (RFA). If there is water in the tank, remove it, find out how it got there and fix it so it doesn't occur again.
- Have dispenser calibrated prior to any retail sales.
- Prior to dispensing, notify UST program at dequstprogram@mt.gov or 406.444.5300 that ethanol or biodiesel has been delivered and the dispensing system is going operational.
- Submit a completed this Biofuels Installation/Conversion Checklist to dequstprogram@mt.gov .

Ongoing Maintenance Responsibilities

- Check for water daily with your stick or ATG system. No level of water in the tank is acceptable.
- If product seems to pump slowly, check and replace filters.
- Calibrate dispenser meter at the time of conversion and two weeks after conversion to verify meter accuracy. Particulate materials may cause excessive meter wear, which would require more frequent meter calibration (API RP 1626)
- Conduct daily, visual inspections of the dispenser and dispenser sump (secondary containment) beneath the dispenser (if one is installed) and all the other items on the inspection form.