

CHECKLIST FOR ABOVEGROUND STORAGE TANK INSTALLATION

Return Completed Checklist To:
 Wisconsin Department of Safety and Professional Services
 Bureau of Petroleum Products and Tanks
 P. O. Box 7837
 Madison, WI 53707-7837

Reg Obj #: For Office Use Only

Complete one form for each tank and related piping.

The information you provide may be used for secondary purposes [Privacy Law, s.15.04(1)(m)].

This checklist covers

installation of: Tank; Piping; Secondary Containment; Overfill Protection; Vapor Recovery; Leak Detection; Spill Containment; Automated Fueling (key-card-code);

A. IDENTIFICATION: (Please Print)

1. Installation Name			2. Owner Name		
Installation Street Address (not P.O. Box)			Owner Street Address		
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State		Zip Code	County	Telephone No. (include area code) ()	

B. TANK CONTENTS (Current, or previous product if tank now empty)

Diesel Biodiesel B100 Unleaded E85 Ethanol Aviation Fuel Premix Fuel Oil Kerosene New Oil
 Waste/Used Motor Oil Hazardous Waste Chemical (Specify name & CAS#): _____ Other _____ Empty

C. LAND OWNER TYPE (check one)

State County Municipal Federal Owned Federal Leased Tribal Nation Other Government Utility
 Residential Private

D. OCCUPANCY TYPE (check one)

Gas/Retail Sales Bulk Storage Terminal Storage Industrial Mercantile/Commercial Backup or Emergency Generator
 Agricultural (Crop or livestock production) Government School Utility Residential Other (specify): _____

E. PLAN APPROVAL

	Installer Verified	Inspector Verified	NA
1. Plans have been approved. State plan number/LPO plan number is: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tank Capacity: _____ gallons.			
3. <input type="checkbox"/> Public POS dispensing (include form ERS 6294 POS) <input type="checkbox"/> Vehicle <input type="checkbox"/> Marine craft <input type="checkbox"/> Aircraft			

F. TANK CONSTRUCTION

	Installer Verified	Inspector Verified	NA
1. Tank exhibits recognized Listing or API label [Comm 10.400].	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tank is used and has been tested for leaks. <input type="checkbox"/> Air <input type="checkbox"/> Hydrostatic Length of test: _____ min.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Tank has vents installed and configured for: <input type="checkbox"/> Class I, <input type="checkbox"/> Class II, <input type="checkbox"/> Class III product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Emergency relief vent is provided where required. Type: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. All normal and emergency vents terminate outside where required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Overfill protection provided? [Comm 10.410] Make/Model: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Tank gauge is provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Tank mounted pump <input type="checkbox"/> Remote pump / dispenser independent of tank <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G. TANK HANDLING AND PRE-TESTING

	Installer Verified	Inspector Verified	NA
1. Tank was tested after set in place for leakage per the manufacturer's recommendations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

H. TANK SITE

	Installer Verified	Inspector Verified	NA
1. Tank located per approved plans (walls, buildings, power lines, streets, well, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tank is spaced a minimum of 3 feet from any other tank. (NFPA 30 Table 22.4.2.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Tank in bulk plant facility is spaced a minimum of 2 feet from the toe of the dike wall.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Tank (s) meet Comm 10.615 setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Tank markings per Comm 10.400(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I. PROJECT SITE

	Installer Verified	Inspector Verified	NA
1. Collision protection provided. <input type="checkbox"/> Cement filled pipe <input type="checkbox"/> Traffic bollards <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Storage tank for vehicle fueling Comm 10.615(7) compliant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Warning signs posted for dispensing area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. 80 B:C rated fire extinguisher provided if motor vehicle fueling & within 100 ft travel distance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. NFPA 704 emergency response hazard rating signage provided on tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

J. PIPING

Pipe construction material: Fiberglass; Steel; Poly type material; Other (type): _____

Pipe installation is: single wall double wall.

Piping system is: Aboveground only Underground only Combination of aboveground and underground

Piping system Type: Pressurized piping with ⇒ A.) Pump auto shutoff - ELLD B.) Flow restrictor - MLLD;
 ELLD serves as catastrophic: Yes No; MLLD serves as catastrophic: Yes No;

Make/Model: _____

Suction piping with ⇒ anti-siphon Solenoid valve; AST Gravity/Head pressure

Piping leak detection method: Interstitial monitoring Tightness testing Aboveground visual Not required

Electronic line monitor - ELLD Electronic interstitial monitoring - sump sensor or leak sensing cable

Aboveground Pipe:

- 1. Coated to inhibit corrosion.
- 2. Supported and protected against physical damage and stress.
- 3. Piping was isolated from the tank and dispenser and air tested at 150% of operating pressures of the system (but not less than 50 p.s.i.) for 1 hour.

Underground Pipe

- 1. Piping is sloped to a sump (min. 1/8 inch per foot).
- 2. Metal piping is at least schedule 40 black steel or galvanized pipe, and is protected or coated.
- 3. Fittings and couplings are extra-heavy malleable iron screw-type, schedule 40 or better.
- 4. Piping was isolated from the tank and dispenser and air tested at 150% of operating pressure of the system (but not less than 50 psig) for 1 hour prior to backfilling.
- 5. After backfilling, piping was isolated from the tank and dispenser and precision tested at 110% of operating pressure but not less than 50 psi for 1 hour.
- 6. Test stations have been installed for monitoring cathodic protection on piping.
- 7. Approved flexible connectors are installed below dispenser.
- 8. Dispensers, pumps, check valves, etc., not cathodically protected are electrically isolated from metallic piping.

Underground pipe corrosion protection: cathodic protection impressed current corrosion resistant construction material

K. SECONDARY CONTAINMENT

- 1. Tank secondary containment: Double Wall Diked Remote impounding
- 2. Dike material: Concrete Steel Engineered clay Engineered clay with liner Earthen with Liner
 Other: _____
- 3. Dike capacity: Weather protected meets 100% Yes No Unprotected meets 125% Yes No;
- 4. Motor fuel dispenser has liquid tight sump with a sensor Yes Not required
- 5. Pipe run is a combination of aboveground and underground pipe Yes No If "yes" there is a transition sump Yes No

L. LIQUID HANDLING, TRANSFER AND USE

- 1. Check valve installed in piping at connection/disconnection for tank vehicle.
- 2. Tank is provided with minimum 5 gal. spill protection.
- 3. Dispensing device is listed.
- 4. Anti-siphon protection with pressure relief.
- 5. Electric equipment and wiring is installed in accordance with Comm 16 (NFPA 70).
- 6. Aircraft fueling system provides bonding mechanism between aircraft and fueling equipment
- 7. Emergency shutoff installed for motor vehicle fueling and clearly identified and accessible.
- 8. Emergency electrical shutoff installed for bulk transfers (Comm10.370), identified and accessible
- 9. Where required, listed emergency breakaway, hose and dispensing devices are provided.
- 10. Dispensing nozzle at marine service stations shall be auto-closing without hold open device.
- 11. Hose length: _____ ft.

M. INSTALLER CERTIFICATION

Installation Company Name (print)	Installation Company Mailing Address	City/State/Zip Code
Company Telephone No. (include area code) ()	Certified Installer Name (print)	Installer Certification No.

I certify that the tank system and related components have been installed according to the manufacturer's instructions, conditionally approved plans, and comply with Comm 10.

Installer Signature: _____ Date Signed: _____

N. INSPECTOR INFORMATION

Inspection Dates: 1) _____ 2) _____ 3) _____ 4) _____ 5) _____ 6) _____

Inspection Company Name: _____

Inspector Signature: _____ Inspector #: _____ Local Operator #: _____

Date Signed: _____ Fire department providing coverage: _____ FDID #: _____

O. COMMENTS: _____

TANK INVENTORY FORM ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH INSTALLATION CHECKLIST.