CHECKLIST FOR ABOVEGROUND STORAGE TANK INSTALLATION

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)].

Return Completed Checklist To:
Bureau of Weights & Measures
Permit & Licensing Section
P.O. Box 7837
Madison, WI 53707-7837
(608) 224-5155

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				
☐ City	☐ Village	☐ Town of:	☐ City	☐ Village	☐ Town of:	State	Zip Code
State	Zip Code	County	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: _____	☐	☐	
2. Tank Capacity: _____gallons.			
3. ☐ Public POS dispensing (include form ERS 6294 POS) ☐ Vehicle ☐ Marine craft ☐ Aircraft			

F. TANK CONSTRUCTION

1. Tank exhibits recognized Listing or API label [SPS 310.400].	☐	☐	☐
2. Tank is used and has been tested for leaks. ☐ Air ☐ Hydrostatic Length of test: _____ min.	☐	☐	☐
3. Tank has vents installed and configured for: ☐ Class I, ☐ Class II, ☐ Class III product	☐	☐	☐
4. Emergency relief vent is provided where required. Type:_____	☐	☐	☐
5. All normal and emergency vents terminate outside where required	☐	☐	☐
6. Overfill protection provided? [SPS 310.410] Make/Model:_____	☐	☐	☐
7. Tank gauge is provided.	☐	☐	☐
8. Tank mounted pump ☐ Remote pump / dispenser independent of tank ☐			

G. TANK HANDLING AND PRE-TESTING

1. Tank was tested after set in place for leakage per the manufacturer's recommendations.	☐	☐	☐

H. TANK SITE

1. Tank located per approved plans (walls, buildings, power lines, streets, well, etc.).	☐	☐	☐
2. Tank is spaced a minimum of 3 feet from any other tank. (NFPA 30 Table 22.4.2.1)	☐	☐	☐
3. Tank in bulk plant facility is spaced a minimum of 2 feet from the toe of the dike wall.	☐	☐	☐
4. Tank (s) meet SPS 310.615 setbacks	☐	☐	☐
5. Tank markings per SPS 310.400(7)	☐	☐	☐

I. PROJECT SITE

1. Collision protection provided. ☐ Cement filled pipe ☐ Traffic bollards ☐ Other _____	☐	☐	☐
2. Storage tank for vehicle fueling SPS 310.615(7) compliant	☐	☐	☐
3. Warning signs posted for dispensing area.	☐	☐	☐
4. 80 B:C rated fire extinguisher provided if motor vehicle fueling & within 100 ft travel distance.	☐	☐	☐
5. NFPA 704 emergency response hazard rating signage provided on tank	☐	☐	☐

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

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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 SPS 316 (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 (SPS 310.370), 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 SPS 310.

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.

Copy Distribution: DSPS Inspector Contractor Owner