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| TR-WM-120 (3/22) Formerly ERS-9658 | | **FOR OFFICE USE ONLY** |
|  | Wisconsin Department of Agriculture, Trade and Consumer Protection  Bureau of Weights and Measures P.O. Box 7837, Madison, WI 53707-7837 (608) 224-4942 Wis. Admin. Code §ATCP 93.115 | Reg Obj #: |
| CHECKLIST FOR ABOVEGROUND TANK INSTALLATION  Personal information you provide may be used for purposes other than that for which it was originally collected (s. 15.04(1)(m) Wis. Stats.).  **Complete one form for each tank and related piping.** | | |

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| This checklist covers the installation of:  Tank  Piping | | | | | | | |
| IDENTIFICATION: (Please Print) | | | | | | | |
| FACILITY NAME | | FACILITY ID # | | | COUNTY | | |
| INSTALLATION STREET ADDRESS (Not PO Box) | | | CITY  TOWN  VILLAGE | | | STATE | ZIP |
| OWNER LEGAL NAME | COUNTY | | TELEPHONE:  (   )     - | E-MAIL | | | |
| OWNER STREET ADDRESS | | | CITY  TOWN  VILLAGE | | | STATE | ZIP |

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| PLAN APPROVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Installer Verified | | Inspector Verified | NA |
| 1. Plans have been approved. State plan number/LPO plan number is: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank Capacity:       gallons. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. POS dispensing (include form TR-WM-130) | | | | | | | | | | | | | | | | | | | Vehicle | | | | | | | | | | | | Marine craft | | | | | | | Aircraft | | | | | | | | | | | | |  | |  |  |
| TANK CONSTRUCTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Tank exhibits recognized Listing, API or ASME marking label [ATCP 93.400]. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank has been designed or certified for use by a Qualified Engineer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank has vents installed and configured for: | | | | | | | | | | | | | | Class I, | | | | | | | | | | | Class II, | | | | | | | | Class III product | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Emergency relief vent is provided where required | | | | | | | | | | | | | | | | | | | | | Type: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. All normal and emergency vents terminate outside where required | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Overfill protection provided? [ATCP 93.410] | | | | | | | | | | | | | | | | Make/Model: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
|  | Type: | 90 Alarm/95 Alarm | | | | | | | | | Alarm | | | | | | | | | Fill Shut Off | | | | | | | | | | | | Site Gauge | | | | | | | Vent Whistle | | | | | | | | | | | |  | |  |  |
| 1. Tank gauge is provided. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank mounted pump | | | | | | | Remote pump / dispenser independent of tank | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| TANK HANDLING AND PRE-TESTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Tank is used and has been tested for leaks. | | | | | | | | | | | | | | | Pressure | | | | | | | | | | | | | | Vacuum | | | | | | | | Hydrostatic | | | | | Length of test:       min. | | | | | | | | |  | |  |  |
| 1. Tank was tested after set in place for leakage per the manufacturer’s recommendations. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| TANK SITE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Tank located per approved plans (walls, buildings, power lines, streets, well, etc.). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank is spaced a minimum of 3 feet from any other tank. (NFPA 30 Table 22.4.2.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank in diked containment is spaced a minimum of 2 feet from the toe of the dike wall. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank (s) meet ATCP 93.615 setbacks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank markings per ATCP 93.400(7) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| PROJECT SITE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Collision protection provided. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Storage tank enclosure compliant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Warning signs posted for dispensing area. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. 80 B:C rated fire extinguisher provided if motor vehicle fueling & within 100 ft travel distance. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. NFPA 704 emergency response hazard rating signage provided on tank | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| PIPING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pipe construction material: | | | | | | | | | Fiberglass | | | | | | | | Steel | | | | | | | | | Flexible | | | | | | | | Other (type): | | | | | | | | | | | | | | | | | Inspector Verified | | | |
| Pipe installation is: | | | | | single wall (aboveground only) | | | | | | | | | | | | | | | | | | double wall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piping system is: | | | | Aboveground only | | | | | | | | Underground only | | | | | | | | | | | | | | | | Combination of aboveground and underground | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piping system Type: | | | | | Pressurized piping with 🢧 | | | | | | | | | | | | | mechanical anti-siphon | | | | | | | | | | | | | | | | | | | Solenoid valve | | | | | | | | | | | | | | | | | |
|  | | | | | Suction piping with 🢧 | | | | | | | | | | mechanical anti-siphon | | | | | | | | | | | | | | | | | | | | | | Solenoid valve; | | | | | | AST Gravity/Head pressure | | | | | | | | | | | |
| Piping Catastrophic leak detection method: | | | | | | | | | | | | | Pressurized piping with 🢧 | | | | | | | | | | | | | | | | | | | | | | | A).  Pump auto shutoff - ELLD | | | | | | | | | | B).  Flow restrictor – MLLD | | | | | | | | |
|  | | | | | | | | | | | | | Manufacturer/Model: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piping leak detection method: | | | | | | | | | | Aboveground visual | | | | | | | | | | | | | | Electronic interstitial monitoring – sump sensor or leak sensing cable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | Manufacturer/Sensor Model: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aboveground Pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Installer Verified | | Inspector Verified | NA |
| 1. Coated to inhibit corrosion. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Supported and protected against physical damage and stress. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. 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). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Test stations have been installed for monitoring cathodic protection on piping. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Approved flexible connectors are installed below dispenser and at aboveground/belowground transition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| SECONDARY CONTAINMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Tank secondary containment: | | | | | | | | Double Wall | | | | | | | Diked | | | | | | | | | Remote impounding | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Dike material: | | | Concrete | | | Steel | | | | | | Engineered clay | | | | | | | | | | | | | | | Engineered clay with liner | | | | | | | | | | | | | | Earthen with Liner | | | | | | Other: | | | |  | |  |  |
| 1. Dike capacity: Weather protected meets 100% | | | | | | | | | | | | | | | Yes | | | | | | | | No | | | | | | | | | | | Unprotected meets 125% | | | | | | | | | | Yes | | No | | | | |  | |  |  |
| 1. Double wall or diked tank has interstitial monitor (visual or electronic) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Yes | | | | | No | | | | | | | | | | | | | |  | |  |  |
| 1. Motor fuel dispenser has liquid tight sump with a sensor | | | | | | | | | | | | | | | | | | | | | | Yes | | | | | | | | No | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Pipe run is a combination of aboveground and underground pipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Yes | | | | | No | | | | | Transition sump installed | | | | | | | | Yes | No | |  | |  |  |
| LIQUID HANDLING, TRANSFER AND USE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Check valve installed in piping at connection/disconnection for tank vehicle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Tank is provided with minimum 5 gal. spill protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Dispensing device is listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Anti-siphon protection with pressure relief. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Shear valve installed in pressure system | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Pressure Regulator valve with shear section installed in suction system | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Aircraft fueling system provides bonding mechanism between aircraft and fueling equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Electric equipment and wiring is installed in accordance with SPS 316 (NFPA 70). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Emergency shutoff installed for bulk transfers and motor vehicle fueling is clearly identified and accessible per ATCP 93.370 or NFPA 30A 6.7. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Emergency electrical shutoff installed for bulk transfers (ATCP 93.370), identified and accessible | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Where required, listed emergency breakaway, hose and dispensing devices are provided. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Dispensing nozzle at marine service stations shall be auto-closing without hold open device. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. Hose length:       ft. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  |  |
| 1. INSTALLER CERTIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALLATION COMPANY NAME (Please print) | | | | | | | | | | | | | | | | | INSTALLER CERTIFICATION NUMBER | | | | | | | | | | | | | | | | | | | | | | TELEPHONE  (   )     - | | | | | | EMAIL | | | | | | | | | |
| INSTALLATION COMPANY MAILING ADDRESS STREET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CITY | | | | | | | | | | | | | | STATE | | ZIP | | |

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| I certify that the tank system and related components have been installed according to the manufacturer’s instructions, conditionally approved plans, and complies with ATCP 93. | |
|  |  |
| INSTALLER SIGNATURE: | DATE SIGNED |

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| 1. **INSPECTOR INFORMATION** 2. INSTALLER CERTIFICATION | | | | | | | | | | | | | | | |
| INSPECTION DATES: |  | | |  |  | | |  | | |  | | |  | |
| INSPECTION COMPANY NAME: | | |  | | | FIRE DEPT PROVIDING COVERAGE: | | |  | | | | FDID #: | |  |
| INSPECTOR SIGNATURE: | |  | | | | | INSPECTOR CERT #: | | |  | | DATE SIGNED: | | |  |

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| COMMENTS |
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| TANK REGISTRATION FORM TR-WM-118 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH INSTALLATION CHECKLIST. |

This document can be made available in alternate formats to individuals with disabilities upon request.