



NOTICE OF PROPOSED INSTALLATION OF UNDERGROUND STORAGE TANKS

Pre-Registration for Underground Storage Tanks

This information is required under Part 211, Underground Storage Tank Regulations, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, being Sections 324.21101 through 324.21113 of the Michigan Compiled Laws Annotated. A person who violates Part 211 or a rule promulgated under Part 211, or who knowingly submits false information shall be subject to a misdemeanor and/or civil penalties not to exceed \$5000 per day for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS: This "Notice" must be completed and submitted to the Waste & Hazardous Materials Division (WHMD) a minimum of 45 days **prior to installation** of the underground storage tank system. **THE UST SYSTEM SHALL NOT BE BROUGHT INTO USE UNTIL A REGISTRATION FOR UNDERGROUND STORAGE TANKS, FORM EQP3821, IS COMPLETED AND SUBMITTED TO THE WHMD ALONG WITH THE \$100.00 PER TANK REGISTRATION FEE.** Complete the required information in accordance with the Michigan Underground Storage Tank Rules (MUSTR), 1999 AACRS R 29.2101 et seq. and the Storage and Handling of Flammable and Combustible Liquids (FL/CL) Rules, 2003 AACRS R 29.5101 et seq. Parts 2 and 3 for underground installations as cited below. The manufacturer and part number must be indicated next to the appropriate item. The item numbers correspond to the Typical Underground Storage Tank Installation diagram attached. This form is not intended to list all of the requirements that may be applicable. Mail the completed form to Waste And Hazardous Materials Division, P.O. Box 30241, Lansing, Michigan 48909-7741. Please direct any questions to the Storage Tank Unit at 517-335-7211 or e-mail DEQ-STD-TANKS@michigan.gov.

FACILITY NAME	NEW ASSIGNED TANK NUMBER(S)	FACILITY NUMBER
FACILITY STREET ADDRESS (PO BOX NOT ACCEPTABLE)	CONTACT PERSON (AT LOCATION)	AREA CODE & TELEPHONE NUMBER ()
CITY	COUNTY	STATE MI
SUBMITTER'S NAME	STREET ADDRESS	AREA CODE & TELEPHONE NUMBER ()
CITY	STATE	ZIP CODE

Item No.	DESCRIPTION	MANUFACTURER & PART NO.	ITEM NO.	DESCRIPTION	MANUFACTURER & PART NO.
1.	TANK DESIGN AND CONSTRUCTION: Section 280.20(a), 280.20(d), 280.32 & Section 2.2 of FL/CL Part 2. Concrete; Steel- UL58; Fiberglass - UL 1316. Corrosion protection - ACT 100. Dimension, Capacity & Contents.	_____	5.	ANCHORING OF TANK: Section 2.3.3.5 of FL/CL Part 2. In areas subject to flooding or high water table. NOTE: Tie-down straps.	_____
2.	BURIAL DEPTH COVER: Section 2.3.3.2 of FL/CL Part 2. Minimum 2' or 1' earth & 4" reinforced concrete with no vehicular traffic. Minimum 3' or 18" earth & 6" concrete or 8" asphalt with	_____	6.	CORROSION PROTECTION FOR TANK: Section 280.20(a) & Section 2.2.6.1 of FL/CL Part 2. Fiberglass tanks, steel tanks with cathodic protection, composite steel tanks, are acceptable.	_____
3.	BACKFILL MATERIAL SURROUNDING TANK: Section 2.3.3.2 of FL/CL Part 2. Minimum 6" sand or pea gravel-steel; minimum 12" pea	_____	7.	MONITORING OF CATHODIC PROTECTION: Section 280.31. Test station-wires to ground surface for access.	_____
4.	TANK LOCATION: Section 280.20(d) & Section 2.3.3.1 of FL/CL Part 2. 10' from basement wall, pit or property line; also to avoid loads transmitted by building foundation-tank outside 45 degree angle.	_____	8.	PIPING MATERIAL: Section 280.20(b), 280.20(d), 280.32 & Section 3-3 of FL/CL Part 2. Single or double-walled steel, fiberglass, or other approved material. Metallic piping shall be cathodically protected and dielectrically isolated.	_____

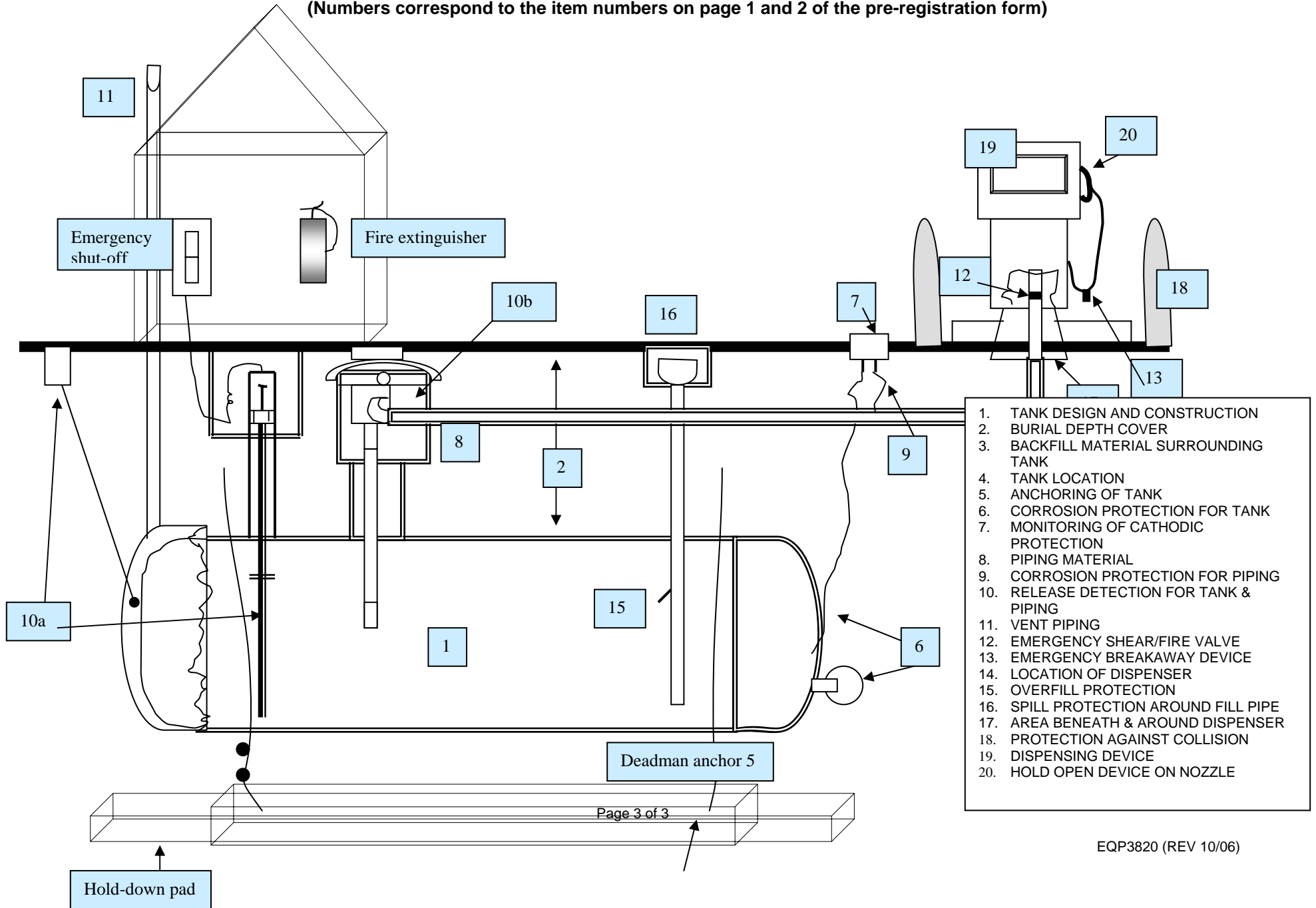
NOTICE OF PROPOSED INSTALLATION OF UNDERGROUND STORAGE TANKS (continued)
Pre-Registration for Underground Storage Tanks

Item No.	DESCRIPTION	MANUFACTURER & PART NO.	ITEM NO.	DESCRIPTION	MANUFACTURER & PART NO.
9.	CORROSION PROTECTION FOR PIPING: Section 280.20(b). Metallic piping (including flexible connectors) requires cathodic protection; and dielectric couplings at tank and dispenser to isolate the	_____ _____ _____ _____	15.	OVERFILL PROTECTION: Section 280.20(c) (1) (ii). Audible alarm or flow restricted when tank is 90% full, or an automatic shutoff of flow into the tank when the tank is 95% full.	_____ _____ _____ _____
10.	RELEASE DETECTION FOR TANK & PIPING: Section 280.40(a), Section 280.41 & Section 280.42. Must be able to detect a release from any portion of the tank and piping.	a) TANK: _____ b) PIPING: _____ _____	16.	SPILL PROTECTION AROUND FILL PIPE: Section 280.20(c). Equipment to prevent release of product to the environment when the transfer hose is detached from the fill pipe. Sealed to prevent entry of product into the ground.	_____ _____ _____ _____
11.	VENT PIPING: Section 2.3.3.3 of FL/CL Part 2. Steel above ground; outlet above snow level, minimum 12 feet above grade, and 3 feet above roof line.	_____ _____ _____ _____	17.	AREA BENEATH & AROUND DISPENSER: Section 6.3.4, Section 9.2 of FL/CL Part 3. Prevent leaks and spills from reaching groundwater, surface water, and subsurface soils.	_____ _____ _____ _____
12.	EMERGENCY SHEAR/FIRE VALVE: Section 6.3.9 and 6.3.10 of FL/CL Part 3. Required on submerged pumping systems, rigidly anchored. Suction systems require check valve or pressure regulating valve under the dispenser.	_____ _____ _____ _____	18.	PROTECTION AGAINST COLLISION: Section 6.3.4 of FL/CL Part 3. Raised concrete island or crash posts. NOTE: Local ordinances may be more stringent.	_____ _____ _____ _____
13.	EMERGENCY BREAKAWAY DEVICE: Section 6.5.2 of FL/CL Part 3. Installed on each hose that dispenses a liquid. Designed to retain liquid on both sides of the breakaway point.	_____ _____ _____ _____	19.	DISPENSING DEVICE AND NOZZLE: Section 6.6 of FL/CL Part 3. Must be listed and identified as to product it dispenses. Splash guard required on nozzle.	_____ _____ _____ _____
14.	LOCATION OF DISPENSER: Section 6.2.1, 6.3.4, 6.3.5 & 9-4 of FL/CL Part 3. 10' from property lines, combustible building walls, and building openings. In clear view of attendant. Within 100' of emergency shutoff switch for self-serve.	_____ _____ _____ _____	20.	HOLD OPEN DEVICE ON NOZZLE: Section 6.6 of FL/CL Part 3. Allowed. Self-service needs special feature of nozzle that prevents resumption of flow once pump is stopped.	_____ _____ _____ _____

- 21. A plot plan showing structures, roads, railroads, property lines, and easements within 25 feet of the UST system. Section 280.22 - attach to this form.
- 22. The location of all applicable drinking water wells and surface water intakes within 2000 feet of the UST system. Section 280.22 - attach to this form.
- 23. A diagram of the UST system. Section 280.22 - attach to this form.

TYPICAL UNDERGROUND STORAGE TANK INSTALLATION

(Numbers correspond to the item numbers on page 1 and 2 of the pre-registration form)



1. TANK DESIGN AND CONSTRUCTION
2. BURIAL DEPTH COVER
3. BACKFILL MATERIAL SURROUNDING TANK
4. TANK LOCATION
5. ANCHORING OF TANK
6. CORROSION PROTECTION FOR TANK
7. MONITORING OF CATHODIC PROTECTION
8. PIPING MATERIAL
9. CORROSION PROTECTION FOR PIPING
10. RELEASE DETECTION FOR TANK & PIPING
11. VENT PIPING
12. EMERGENCY SHEAR/FIRE VALVE
13. EMERGENCY BREAKAWAY DEVICE
14. LOCATION OF DISPENSER
15. OVERFILL PROTECTION
16. SPILL PROTECTION AROUND FILL PIPE
17. AREA BENEATH & AROUND DISPENSER
18. PROTECTION AGAINST COLLISION
19. DISPENSING DEVICE
20. HOLD OPEN DEVICE ON NOZZLE