



Summary of Maine Office of the State Fire Marshal (OSFM) & MDEP Installation Requirements for Approval of a New Diesel Fuel AST Facility for an Aggregate Mining Operation Permit-by-Rule and Certification of Compliance

This checklist is provided only as guidance to the major location and installation requirements of a properly installed above ground diesel fuel tank. For a complete list of installation, operation, maintenance and abandonment requirements, consult Chapters 34 and 692 of the OSFM and MDEP regulations (<http://www.maine.gov/sos/cec/rules/rules.html>)

Location Requirements:

- Located in a mining operation currently licensed by the MDEP
- Is not in well head protection zone of a private or public drinking water supply well
- Is not located on mapped high yield zone (≥ 50 gallons/minute) of a Maine Geological Survey sand and gravel aquifer map
- Tank may not be located within 25 feet from property line, a public road, an occupied building or a building storing property (does not include structures storing facility equipment)
- Limited to 1 facility per land parcel consisting of up to 2 tanks and a maximum of 1,100 gallons storage capacity. Other new tanks require full permit from OSFM and a variance application and approval from MDEP

Installation Requirements:

- Limited to diesel fuel storage
- OSFM Permit-by-Rule is required before installing
- Complete written Certification of Compliance form submitted to and received by MDEP at least 24 hours prior to installation
- Tank is limited to a double-walled above ground horizontal tank with single compartment with one of the following UL listings – 142, 2080, or 2085
- Tank is installed in accordance with manufacturer instructions
- Equip tank with UL listed emergency vent device sized and installed in accordance with manufacturer instructions
- Tank is equipped with mechanical or electronic continuous interstitial space monitoring equipment, installed by manufacturer certified representative or Maine certified underground tank installer
- Tank interstitial space is to be equipped with a UL listed emergency vent device sized according to the tank manufacture's specifications



- _____ Tank is equipped with a visual tank gauge, and an audible overfill alarm and automatic shut off, installed by a manufacturer certified representative or Maine certified underground tank installer
- _____ Tank is to be equipped with a normal vent sized according to manufacture's instructions, and with a diameter greater than 1.25 inches and not less than the diameter of the fill connection
- _____ When facility consists of two tanks, they are to be separated by at least 3 feet of clear space
- _____ Physically protect tank against vehicle collision
- _____ Tanks and vehicle fueling areas are located on a single impervious concrete pad or a continuous asphalt pad treated with a petroleum compatible polymer-based sealant.
- _____ Pad is to be sized to allow for the entire vehicle being fueled to be on the pad
- _____ Tank may not be higher than 12 inches above concrete pad
- _____ Tank may not be installed in a structure making it a confined space under OSHA regulations
- _____ Tank will be labeled with NFPA 704 Hazard Marking System
- _____ "No Smoking" signs must be posted around tank and fueling area
- _____ Fill connection is to be provided with a UL listed spill containment device of 5 gallon or greater capacity and installed according to manufacturer instructions
- _____ Dispenser is located directly on tank with no product piping run
- _____ The dispenser and dispenser hose need to be UL listed for diesel fuel, and installed in accordance with manufacturer instructions
- _____ Dispensing hose is to be equipped with a UL listed break away device
- _____ Dispensing hoses longer than 18 feet are to be stored in a retractable device, except when used for fueling
- _____ Electrical wiring in hazard area is to be installed by Maine licensed master electrician in accordance with the National Electrical Code (NFPA 70)
- _____ At a minimum one (1) UL listed portable fire extinguisher with a rating of 40 B:C or greater is to be provided between 20 and 75 feet from the tank and fueling area. Label location with sign.
- _____ Artificial lighting is to be provided for the dispenser, vehicles being fueled, the fuel delivery vehicle if fueling at times of darkness
- _____ If tank is to be installed in mapped 100 year flood plain, provide adequate anchoring to concrete pad to prevent floating
- _____ Amend Permit-by-Rule and Compliance Certification form when information changes or facility will be altered or removed

For more detailed installation information and information on the operation and maintenance requirements, contact Steve Dixon at the Maine Office of the State Fire Marshal (207) 626-38 or David McCaskill or Butch Bowie at the Maine Department of Environmental Protection (207) 2651

**BE SURE TO REPORT ALL OIL SPILLS WITHIN 2 HOURS OF DISCOVERY
1-800-482-0777**