

STORAGE TANK REGULATION



Orange County
Environmental Protection Division
Petroleum Management Section
Storage Tank Compliance
Glen Becker, Env. Program Supervisor

Who Are We?

- ▶ Program Delegation
- ▶ Enforcement Authority
 - ▶ Orange County Code Chapter 15, Article XVI
 - ▶ Florida Statute 403.121



Who Are We?

- ▶ Contracted Program
 - ▶ 7 member staff covering 5 counties - Orange, Lake, Osceola, Seminole and Volusia as contracted by the FDEP
- ▶ Enforcement Authority for Orange
 - ▶ Orange County Code Chapter 15, Article XVI
 - ▶ Florida Statute 403.121



Rules and Reference Standards

▶ Rules

- ▶ 62-761, FAC, Underground Tanks (UST)
- ▶ 62-762, FAC, Aboveground Tanks (AST)

▶ Reference Standards

- ▶ ACI International (American Concrete Institute),
- ▶ American Petroleum Institute (API),
- ▶ ASME International (The American Society of Mechanical Engineers),
- ▶ Florida Department of Environmental Protection (DEP),
- ▶ NACE International (National Association of Corrosion Engineers),
- ▶ National Fire Protection Association (NFPA),
- ▶ Petroleum Equipment Institute (PEI),
- ▶ Society for Protective Coatings (SSPC),
- ▶ Steel Tank Institute (STI),
- ▶ Underwriters Laboratories (UL).

Applicability

- ▶ USTs > 110 gallon capacity
- ▶ ASTs > 550 gallon capacity
 - ▶ Tanks Containing:
 - ▶ Vehicular Fuel
 - ▶ Pollutants
 - ▶ Any commodity made from oil or gas
 - ▶ Hazardous Substances
 - ▶ Mineral Acids
 - ▶ Exemptions
 - ▶ Residential
 - ▶ Oil/Water Separators
 - ▶ 100% Ethanol
 - ▶ Others

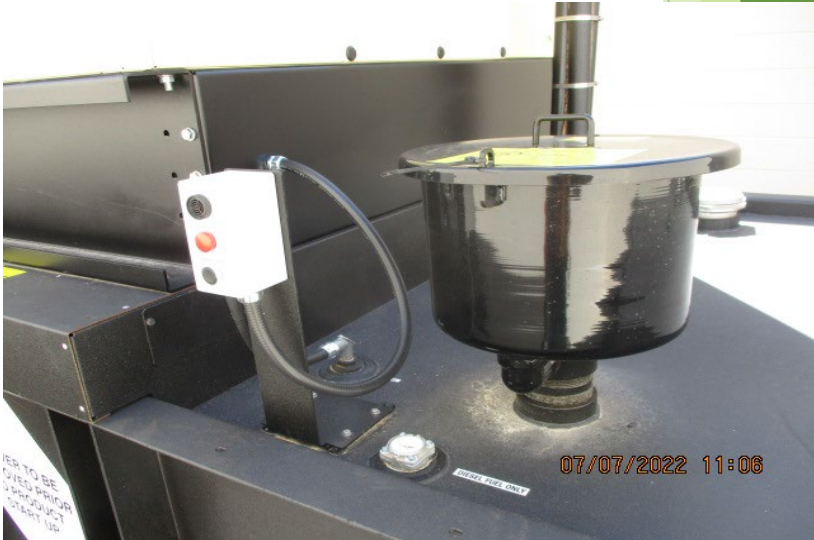


Installation Inspection

Consists of:

- ▶ Physical Inspection
 - ▶ Tanks-Observing pressure or vacuum on tank interstice after setting in place
 - ▶ Piping-Air pressure tests on piping primaries and secondaries
 - ▶ Dispenser, fill port spill, and piping containments-Hydrostatic test
 - ▶ Containment for single wall ASTs
 - ▶ Other System Components

AST Installations



AST Installations



Proper valves installed: Isolation, fire check, and anti-siphon valves are required for above ground piping and placed in the proper positions

Release Detection and Overfill Prevention



UST Installations

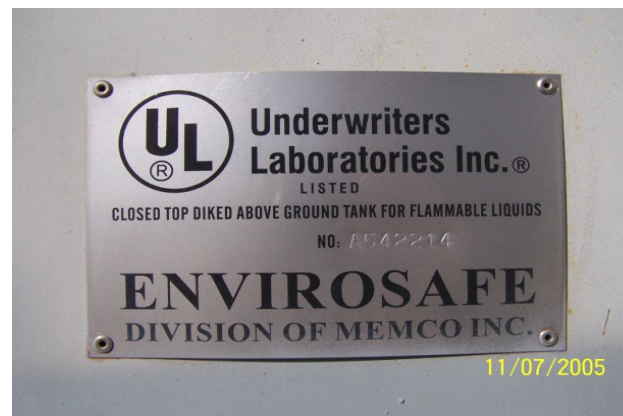
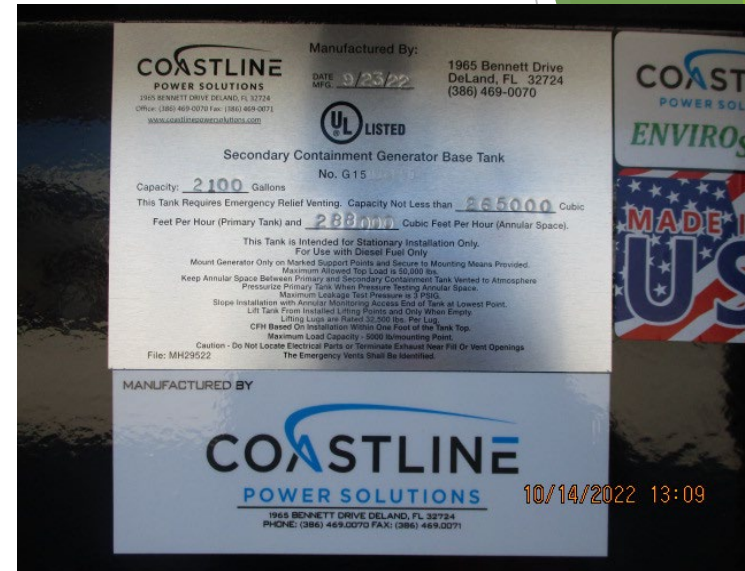


UST Installations



Inspection Consists of:

- ▶ Paperwork Review
 - ▶ Registration Placard
 - ▶ Financial Responsibility
 - ▶ Verify equipment installed is Approved for use in Florida
 - ▶ Release Detection System
 - ▶ Overfill Protection System
 - ▶ Post-Installation Tank & Component Test Records



Current Issues

- Notifications not being provided per requirements
- ASTs meeting NFPA 30 and 30A requirements for setbacks, vehicle fueling requirements
- Requiring post-installation site survey for underground tanks and piping



Questions?

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