

Aboveground Tanks (ASTs)











Tank Design

- All are steel
- Single wall, with secondary containment (110% of largest tank)
- Double wall
- Double wall impact resistant

Single Wall



Double Wall



Double Wall Impact Resistant



Vehicle Impact Protection

- All tanks subject to impact must have an approved form of vehicle impact protection
- Impact resistant tanks
- Reinforced secondary containment
- Bollards
- Jersey barriers





Piping

- All aboveground piping must be steel
- All underground piping must be double wall and non-corrodible
- Sump sensors must shut down the pumps and dispensers
- Must have transition sumps between aboveground piping and underground piping



Overflow Prevention

- Must have an overflow alarm that alarms at 90%
- Must have overflow prevention device that restricts flow at 95%
- Do not use ball float valves

Overfill Prevention



Catchment Basin/Spill Buckets

- Required for all ASTs
- May use secondary containment or individual catchment basins





This is Wrong



Emergency Venting

- Required for all ASTs
- Prevents BLEVEs





Emergency Shutoff Switches

- Required for all ASTs



EMERGENCY
FUEL
SHUT OFF

IN CASE OF EMERGENCY
CALL 911
OR
HULETT POLICE DEPARTMENT
307-290-5504
OR
HULETT TOWN HALL
307-467-5771



Spill Prevention Control and Countermeasures Plan (SPCC)

- Required for all ASTs with a combined storage capacity of 1,320 gallons
- Copy must be submitted to DEQ
- Has been required by EPA since 1970s

Tank Top Access (Ladders/Stairs/Catwalks)

- Required for all ASTs
- Must be OSHA approved
- Must be permanently affixed
- Must be non-combustible



Signs

- No Smoking signs
- Product signs



AST Tank Leak Detection

- Must use an approved tank leak detection method
- May use visual monitoring if whole tank is visible
- Must also perform inventory control
- UL-2085 tanks must be monitored interstitially

