

DOUBLE CONTAINMENT

WHERE DO I START?



Why do we need Double Containment?

***It's the law.**

Resource, Conservation, and Recovery Act

December 1988 – a revision regarding underground piping. U.S. Environmental Protection Agency (EPA) introduced:

- **Code of Federal Regulations (CFR), Title 40, Part 280, Regulations Pertaining to Underground Storage Tanks.**
- **Code of Federal Regulations (CFR), Title 40, Part 302.4, Designation of Hazardous Substances.**



Leak Detection Requirements

EPA requirement: (CFR), Title 40, Part 280

Visual Leak Detection

Drainage Systems: Monthly manual inspection is required

Electronic Leak Detection

Pressure Systems: Must be checked once per year

Best Practice

Double containment piping systems provide safe transport of fluid in critical areas. Should a leak occur, People, Equipment, and Valuable Property will be protected from possible harm or damage.

- Risk / Insurance
- Personnel Safety
- Environment

Where do we **NEED** Double Containment?

Federally Mandated Applications

- Chemical Plants
- Laboratories
- Fuel Systems for Emergency Generators

Best Practice Applications

- Healthcare/Hospital Use
- Laboratories
- High-Tech & Data Storage Environments (Network & Server Rooms etc.)
- Public areas (Museums, Libraries, Theaters, and Restaurants)
- Historical Sites
- Residential Buildings
- and more...

How do we **DESIGN** Double Containment?

1 Material Selection

- Chemical Compatibility
- Pressure
- Temperature



2 Thermal Expansion and Contraction

3 System Layout

Accomodate for size of components

How do we **MONITOR** Double Containment?

Is my system **ABOVE**

OR

BELOW ground?

ABOVE GROUND APPLICATION: Best Practice

- Visual leak detection
- Electronic leak detection



BELOW GROUND APPLICATION*: Federally Mandated

- Visual leak detection
- Electronic leak detection



I'm ready to specify Double Containment!



For more information, contact: 1.800.463.9572

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