Albarrie
#FABRICSCHANGINGINDUSTRY
EXPERIENCE 40 YEARS EXPERIENCE

SECONDARY OIL CONTAINMENT

SORBNSEAL™
AN Albarrie PRODUCT

DON'T LET TRANSFORMER LEAKS COST YOU

Albarrie's transformer secondary oil containment systems use patented mineral oil-reactive self-sealing smart fabric technology, providing a **virtually maintenance-free containment.**

KEY BENEFITS

VIRTUALLY MAINTENANCE FREE

No pumps required. Albarrie's smart fabric traps oil, not water.

ENVIRONMENTALLY COMPLIANT

Meets EPA Secondary Containment requirements for SPCC 40 CFR 112.7 and IEEE Std. 980.

BUDGET-FRIENDLY

Reduce installation and maintenance costs compared to other transformer oil containment systems.

FLEXIBLE DESIGN

Designed and installed in greenfield or brownfield applications for all soil types within any geometric configuration.

HOW IT WORKS

Albarrie's Transformer Secondary Oil Containment Systems use patented mineral oil-reactive self-sealing **smart fabric technology** known as **Oilmat**. The smart fabric contains a unique proprietary blend of dense oil-immobilizing polymers, called **Alabsorb**, between two needlepunch nonwoven fabric layers that seal on contact with oil, not water. In a passive state, **SorbNSeal™** allows water to pass freely through the **Oilmat** without collection. The **Oilmat** is installed on the containment floor. When oil comes in contact with the **Oilmat**, it undergoes a chemical change, turning the fabric into an impassable membrane, keeping oil inside the containment area. **SorbNSeal™** includes Albarrie's **Super Absorbant Mat (SAM)**, designed to manage small, chronic leaks without spoiling the containment. It offers an exceptional absorption capability per square inch. SAM absorbs and locks-in oil but remains porous, allowing water to pass through.

OPTIONS

- Above Ground Design
- Below Ground Design
- Concrete Perimeter Wall
- Turn-Key or Supply & Support Installation
- Wick Drain (if required)
- Composite Perimete Walls

APPLICATIONS

- Permanent Substation Transformers
- Environmentally-Sensitive Areas
- Multiple Above-Ground Transformers
- Solar & Wind Farms

FEATURES

- **No more** standing water
- **No more** mechanical moving parts
- **No more** pumping and testing
- **No more** concrete cracks to repair
- Vehicle accessible with full access to the transformer
- Reduced installation costs
- Optimized remediation costs
- Fire-quenching capabilities
- Extended service life
- Significantly decreased risk associated with fire and contamination
- Quick Installation

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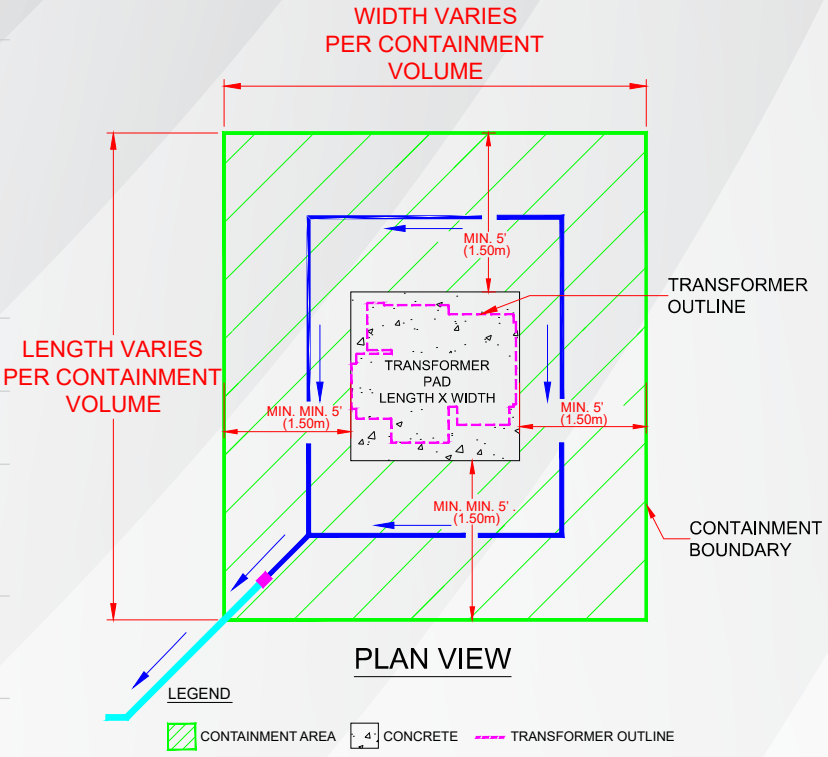
SPECIFICATIONS

Type	
Fire quench stone gradation requirements	1 ½" to 3" (38 to 75mm) ASHTO #1,2,3,24 ASTM D448-03 Well graded crushed stone with 100% passing the 3" (75mm) sieve and 0% passing the 1 ½" (38mm) sieve. **Note:** The fire quench stone must meet resistivity and porosity requirements.
Fire quench stone resistivity	≥3000 Ω-m
Fire quench stone porosity (min.)	40%
Fire quench stone type	Basalt, granite limestone or a compatible stone type. Should **not** accept soft stones such as sandstone.
Minimum containment depth	18" (0.45m) from top of fire quench stone containment level to top of oilmat
Maximum containment depth	48" (1.2m) from top of fire quench stone containment level to top of oilmat.
Separation distance from transformer to containment perimeter	**For all projects unless specified otherwise by the client:** 5 ft (1.5m) or ½ the transformer height whichever is greater.
Containment system oil storage volume requirements (%)	As per client requirements. If no requirements recommend 110% of the volume of the largest oil containing unit plus a 25 year, 24 hour storm. Ensure that each storm volume will drain through system within 4 hours as per US EPA.
Sand Gradation requirements and compaction	All sand layers to be plate tamped in the field with caution being taken when working over the wick drains.



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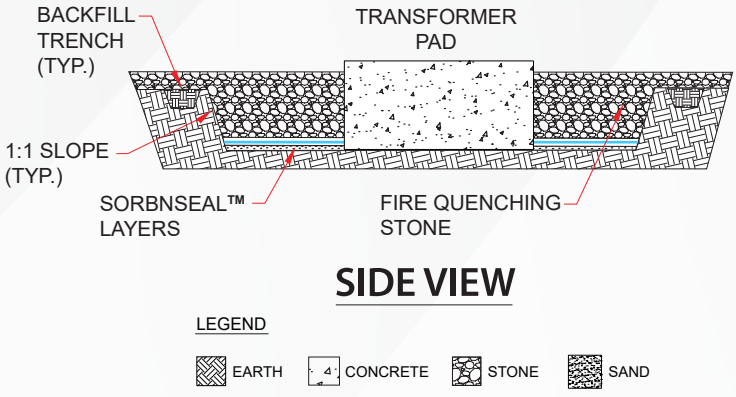

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