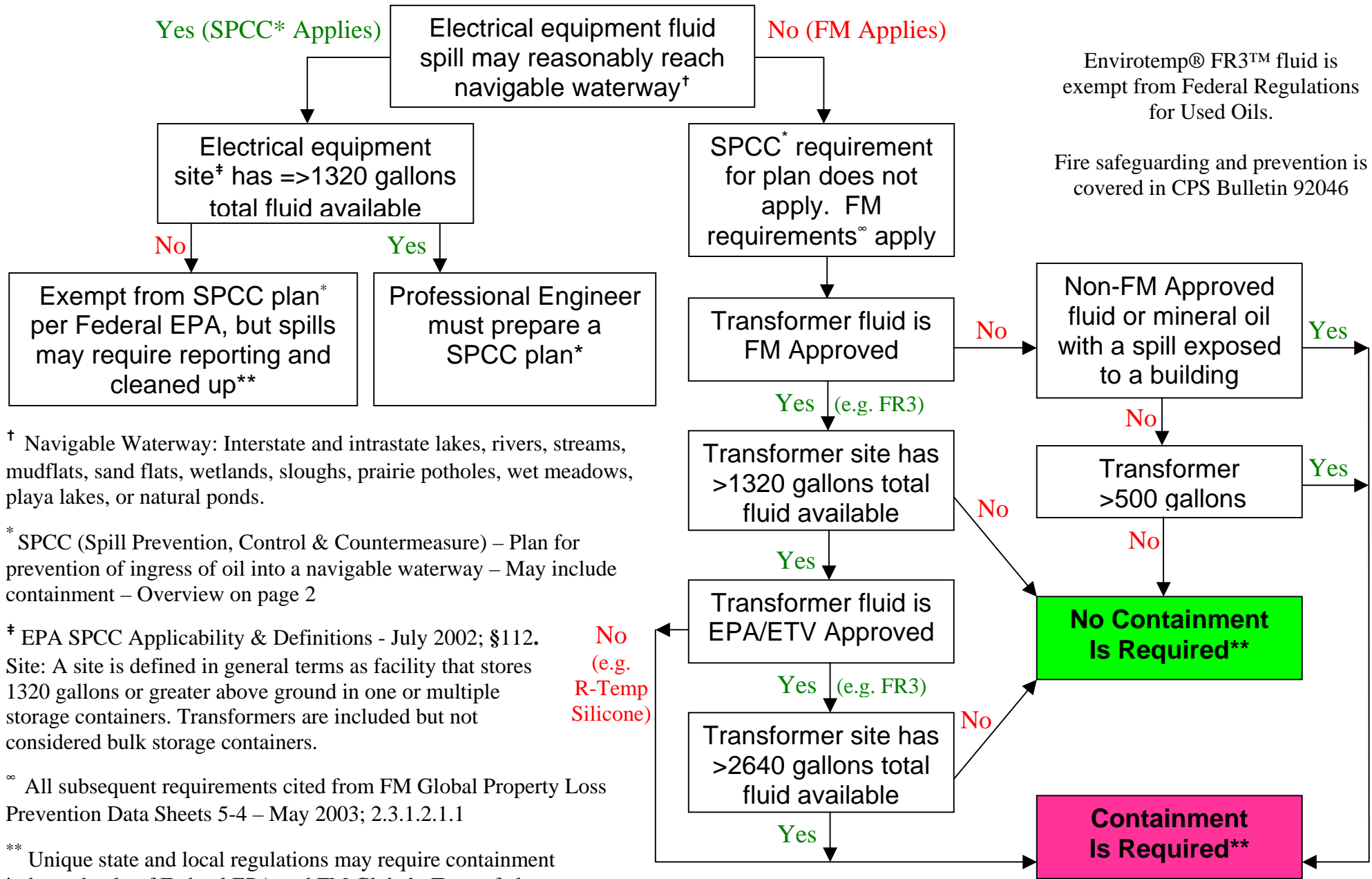


# Outdoor Fluid Containment Guidelines



## **Containment Options Include:**

### **Gravel Retardation Media:**

- Vegetable oil based FR3 fluid is less likely than mineral oil to percolate through gravel, thus impeding transmission to groundwater.
- Lower initial cost

### **Concrete Basins/Cement Ponds:**

- Higher initial cost
- High durability
- No soil contamination
- Lower clean-up costs

### **Earthen Berms/Ditches:**

- Lower initial cost
- Higher clean-up cost for mineral oil (e.g.: state soil remediation)

### **Liners:**

- Moderate initial cost
- Potential for tearing
- No soil contamination
- Lower clean-up costs

Acceptance of specific containment option is site specific, at the discretion and responsibility of the PE

## **Removing Water From Containment:**

### **Manual Pump:**

- High maintenance
- No limitations for flat sites

### **Gravity Controlled**

#### **Oil Stop Valve:**

- Low maintenance
- Shuts off in oil
- Limitation for flat sites

### **Sump Pump and Oil Sensor:**

- Moderate maintenance
- Shuts off in oil
- No limitations for flat sites

## **SPCC Plan**

### **Spill Prevention, Control & Countermeasure**

#### **Full Text Available:**

Environmental Protection Agency, 40 CFR Part 112,  
*"Oil Pollution Prevention and Response;  
Non-Transportation-Related Onshore and Offshore Facilities; Final Rule"*  
<http://www.epa.gov/oilspill/pdfs/40cfr112.pdf>

#### **Additional Notes:**

Key transformer applicability points are interpreted in CPS Bulletin R900-20-6, "Federal Regulations"

A 'SPCC Plan' is for prevention of ingress of oil into a navigable water and may or may not include containment

#### **Reportable Spills:**

Single Spills > 1,000 gallons

-or-

Two spills >42 gallons within 12 months

Spills must be reported to the Regional Administrator or National Response Center (800-424-8802)

This flowchart, notes, and summary represents Cooper Power System's understanding and interpretation of pertinent Federal EPA, FM Global, EPA/ETV documents in effect at the time of printing. This is an overview document and does not cover any regulation or requirement in its entirety.