



SPCC 40CFR112.7 and 8

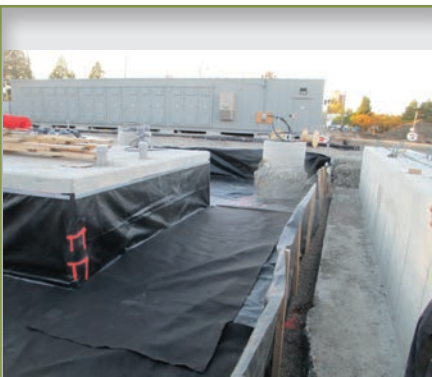
USDA Bulletin 1724E-302,
Chapter 3-3.2.2 and 3.2.3

IEEE STD. 980



- spcc compliant solution
- engineered for your specific needs
- minimizes risk to your investment & reputation

C.I.Agent® Geomembrane Liner Solution



Geomembrane Liner System with Oil Filtration Panels. A geotextile is placed over the vinyl to protect it.



Geomembrane Liner System with Oil Filtration Panels uses HDPE corrugated pipe to accommodate a smaller footprint.



Retrofitting an old cracked concrete containment with C.I. Agent Geomembrane saved the customer time and money.

PRODUCT DESCRIPTION:

The C.I.Agent® Geomembrane Liner with Oil Filtration Panels System is site-specific engineered secondary containment for hydrocarbon filtration in sandy or undetermined subsoils. The system allows storm water to flow through the C.I.Agent Oil Filtration Panels to remove and capture hydrocarbons. The Oil Filtration Panels are constructed from non-woven geo-textile material filled with patented C.I.Agent® Agent-Q*, a unique filtration media capable of preventing penetration of oil and petroleum products while allowing a high water flow rate. In the event of a large spill, the C.I.Agent polymers in the panels completely solidify to shut down the flow and contain the hydrocarbons, keeping them from escaping the site.

The C.I.Agent Geomembrane Liner with Oil Filtration Panels ship in sections, each marked to correspond to a site map, for easy assembly in the field. It comes with pre-formed corners for height consistency and the C.I.Agent Oil Filtration Panels are pre-bonded to the Geomembrane Liner. Shipment includes all the products necessary for the installation. Depending on the size of the site and the completion of site preparation, most installs can be completed in one or two days.

PRODUCT APPLICATIONS:

- The C.I.Agent® Geomembrane Liner installs quickly and is perfect for secondary containment of substations, tank storage, wind farms and solar fields
- For a smaller footprint, HDPE corrugated pipes can be used with the Geomembrane Liner System, either with or without the Oil Filtration Panels, reducing the excavation time, labor and material costs
- The C.I.Agent Geomembrane Liner can be used to line chipped or cracked concrete containment reducing the cost of repair or replacement
- The C.I.Agent Geomembrane Liner can be used with fabricated or composite wall systems to prevent leaks
- The vinyl liner can be either 22 oz. or 40 oz.

OIL FILTRATION PANEL PERFORMANCE SPECIFICATIONS:

- Water flow rate: Minimum 4 GPM per ft² of material with one foot head pressure
- Hydrocarbon flow rate: 0 GPM (100%+ containment)
- Solidifies approximately a half gallon of oil per ft² depending on type of oil, viscosity, and temperature
- Service life of installed product: Life of equipment it protects
- UV resistance of 70% (typically covered with clean stone)
- Oxidation resistance of 80%

*U.S. Patent No. 8,986,82

C.I.Agent® Geomembrane Liner Solution

ENHANCEMENT SOLUTIONS

C.I.Agent® HFF Oil Stop Valve



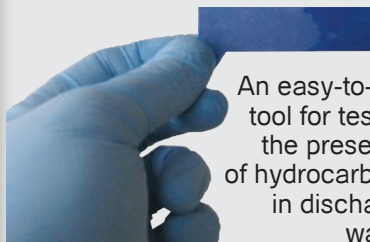
A C.I.Agent® HFF Oil Stop Valve can be used with our Geomembrane Liner System, concrete or fabricated secondary containment. A drain inside the containment area directs water to an adjacent vault containing the HFF to process organic hydrocarbons out of the water.

C.I.Agent® VIPOR Pump



The C.I.Agent® VIPOR Pump uses proven C.I.Agent® containment technology to provide a safe and ensured compliant discharge from an application where an automatic sump pump is desired.

C.I.Agent® Hydrocarbon Detection Strips



An easy-to-use tool for testing the presence of hydrocarbons in discharge water.

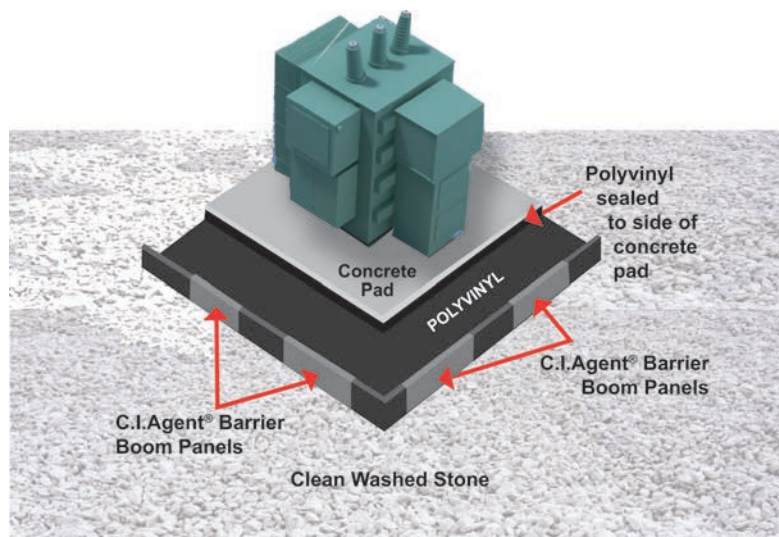
BENEFITS:

- Evacuates waste water without valves, pumps, sumps or oil-water separators
- A bury and forget application
- Cost-effective solution for Secondary Spill Containment
- Custom made for site-specific application
- C.I.Agent® Geomembrane Liner and Oil Filtration Panels Containment Systems can be installed in one or two days (depending on size of install)
- Equipment can remain energized during installation
- The C.I.Agent Geomembrane Liner and Oil Filtration Panel Window Containment Systems are made in the U.S.A., pre-fabricated at the factory, and assembled on site
- C.I.Agent Geomembrane Liner and Oil Filtration Containment Systems are backed by a \$7 Million Product and Environmental Insurance Policy when installed according to the manufacturer's specifications and documented with photographs
- The C.I.Agent Geomembrane Liner and Oil Filtration Panel Containment System comes complete with all the supplies needed for installation

NOTE:

C.I.Agent Solutions recommends laying a bed of washed pea stone (at least six inches) to provide a leach bed. It is recommended that a geotextile fabric be laid over the vinyl before covering with clean, washed and screened stone, size 0.75" to 1.5", to prevent punctures in the vinyl during drive-overs.

TOP VIEW: Typical Example



SIDE VIEW: Typical Example

