



**Strut-Lok™ The
Revolutionary way to
contain Hydrocarbon
Spills, Primary,
Secondary Above
Ground Containment
System.**

**Customized to Guarantee most efficiency way to prevent Spills
from getting into contact with the ground.**

Spill-Chek Environmental Products & Services Corp.

Spill-Chek Environmental is meticulous in working with consulting and company engineers to design the secondary containment solution that best fits the site. We have several spill containment solutions including.

Oil Filtration Wall Systems, Geomembrane Liner with Oil Filtration Panels Systems, HFF Oil Stop Valve Systems, and VIPOR System

We have designed a unique style of containments systems, It's components all are custom engineered and site specific style. Environmental Pollution and Product Liability insurance coverage How can we be so confident? It all starts with the technology at the core of our solutions, our flagship product Solidifying Polymers.

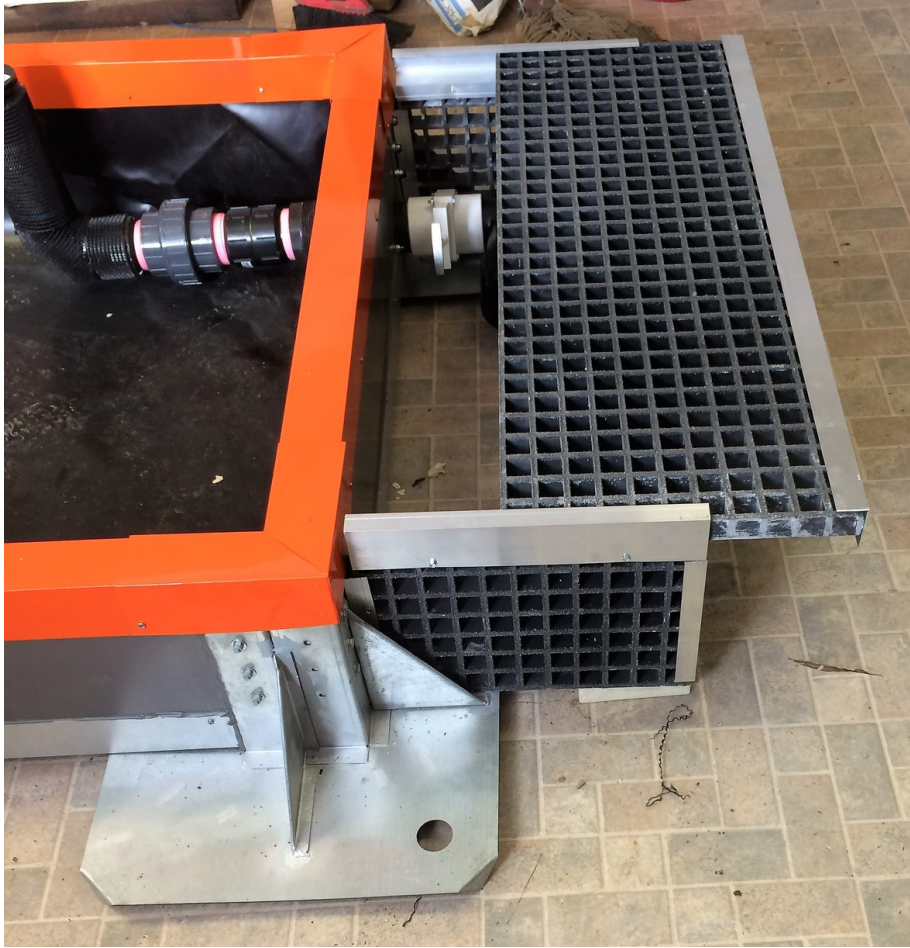
Do I have to have Secondary Containment?

The SPCC Plans require that the owner/operator take measures to assure that no oil can escape from their site and get into the navigable waters of the United States. If you certify that;

(1) any oil cannot escape the site and reach any type of watershed, storm sewer, drainage ditch, even during a rain event, or

(2) that you could reach the site and prevent the oil from migrating off the site, then Secondary Containment would not have to be provided.

The SPCC Regulations states that the owner/operator needs to provide Secondary Containment for the “most likely” event. It is not likely that all the oil filled equipment would fail and drain at the same time. It is more likely that the largest oil-filled unit could fail and drain off. Most professional engineers (PE’s) feel that their SPCC Plan should be designed for the most likely event that would contain the amount of oil in the largest vessel, and which may or may not include enough freeboard to contain the oil plus a 25 year 24 hours rain event. The latter depends on locations and annual rainfall figures.



Containment Plans

An SPCC secondary containment plan must be developed in accordance with recommended engineering practices and approved by a company employee with the authority to implement the containment plan. Each containment plan must also be tailored to the individual storage facility or media in use and must clearly address the following three areas of concern:

Operating procedures that will prevent oil spills.

Control measures for oil containment and to prevent an oil spill from reaching navigable waters.

Countermeasure for containment, clean up and to minimize any damage of an oil spill that does reach a navigable waterway.

An SPCC containment plan must be prepared by all facilities subject to regulation, have written management approval and be certified by a registered professional engineer. Not all SPCC plans must be certified by a PE; sites with less than 10,000 gallons can self-certify if they have not had any spills.

An SPCC containment plan must contain the following information:

Identification of all oil storage media, where it is located, what its storage capacity is, what it is used for and how much is on hand.

Control measures to prevent an oil spill from reaching navigable waters.

Written descriptions of any past oil spills detailing the corrective actions take and what secondary containments plans were implemented to prevent a re-occurrence.

A prediction of the direction, rate of flow and a total quantity of oil that could be spilled based on an experience of potential equipment failures.

A description of any containment or diversionary structures and the equipment that is available to prevent a spill from reaching the waterway.



Loading Deflection Table of Molded Gratings in Common Sizes

H25 Mesh size 38*38

Bar thickness(Top/Bottom)

6.4/5.0 Distance between centers of bearing bars
38 Open Area 68% Weight per Square meter 12.3kg/m²

Standard panel sizes :

1220*4000、

1220*3660、

1220*2440、

915*3050

Both directions

**Estimated
flow rate of 3-
5 GMP per ft²
material with
one-foot head
pressure**

**Hydrocarbon
flow rate of 0
GPM for 110%
oil spill
containment**

**Solidifies
approximately**

**a half gallon of oil per ft² depending on oil type,
viscosity, and temperature**

**Service life of installed product: the life of the
equipment it protects**

**UV resistance of 70% (typically covered with clean,
washed stone)**

Oxidation resistance of 80%

Contains 12 to 16 oz. of loose per ft²



Our System

In the event of a major release, the Pre-filter Oil Stop will automatically shut off the flow of water to contain the oil, providing a cost-effective and environmentally friendly solution for



your secondary containment needs while meeting Federal SPCC mandates. The HFF Oil Stop Valve uses Solidifying Polymer technology along with other unique materials and manufacturing processes. Each HFF Oil Stop Valve is custom designed for site specific applications and flow rates. It is ideal for storm drain inserts, electrical substations, stormwater run-off, bulk storage tank farms rain water out-falls, contaminated cooling tower water, retention pond out-flows, oil-water separator out-falls and more. All HFFs feature high flow rates and come with a pre-filter to capture debris and silt and keep maintenance low.



Oil Filtration Panels to composite walls, or utilize a Pre-filter Oil Stop Valve

Custom designed to site specifics and PE approved for full secondary containment

Easy to install to grade or dike; usually in one day with equipment fully energized

No special tools needed

Little or no maintenance required depending on type of install

Eliminates the need to use concrete walls, sump pumps, oil-water separators, pits, manual valves, and hydrocarbon detectors



Strut-Lok™

Improvements was made to our system, the UNIQUE Above Ground Secondary Containment **Strut-Lok™**

■ Check out our Gallery of Photos To get more information please

contact us

1-800-279-4043

or Click on our Main webpage www.spill-chek.com

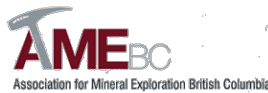
Strut-Lok™ is very easy to install with a two man crew.

Strut-Lok™

Supplier:



C.I. Agent is an environmentally friendly petroleum-based blend of 7 different polymers. These polymers are hydrophobic and will always float on water (salt or fresh). Once C.I. Agent comes in contact with hydrocarbons (oil, diesel, gasoline), it solidifies them into a rubber-like mass. Once solidified, the hydrocarbons become non-toxic, float on water and do not leak.



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