

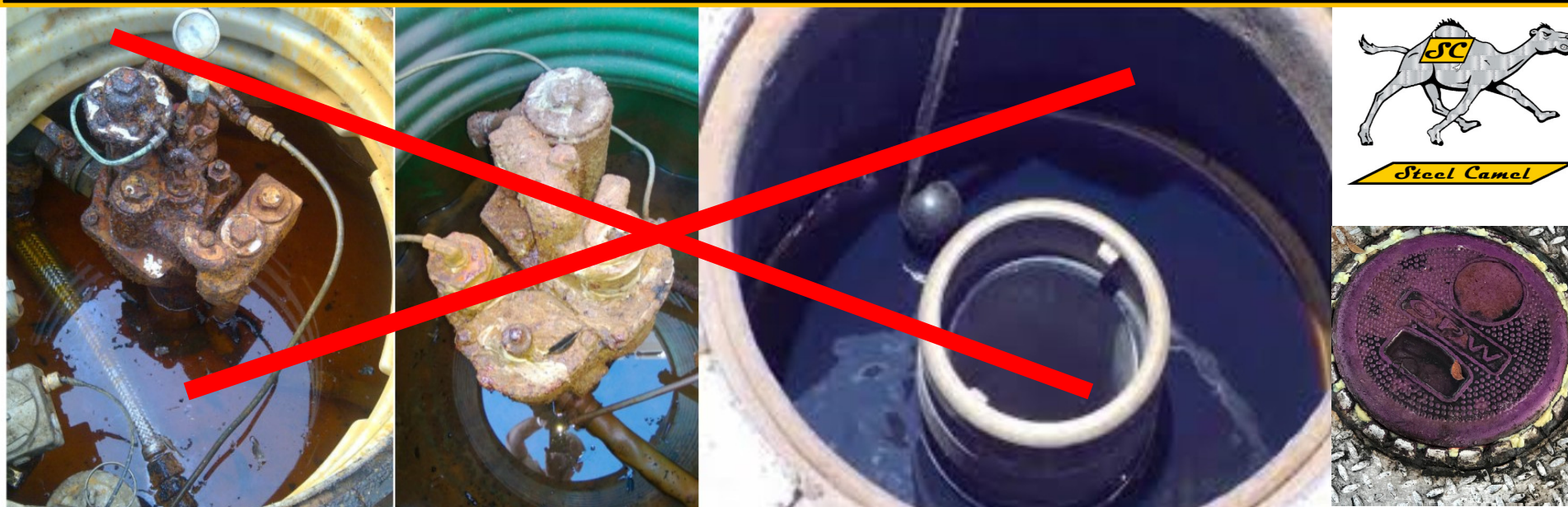
# Product & Application Guide for Dry Sumps & Spill Buckets

## Water Blocking Gels, Doughs & Compression Fit Gaskets

To Prevent Topical Water Intrusion, Corrosion and Frozen Components

**For: Tank Owners, Contractor & Inspectors**

**Who Dislike Removing, Storing ,Hauling and Disposing of Petroleum Contaminated Water!!**



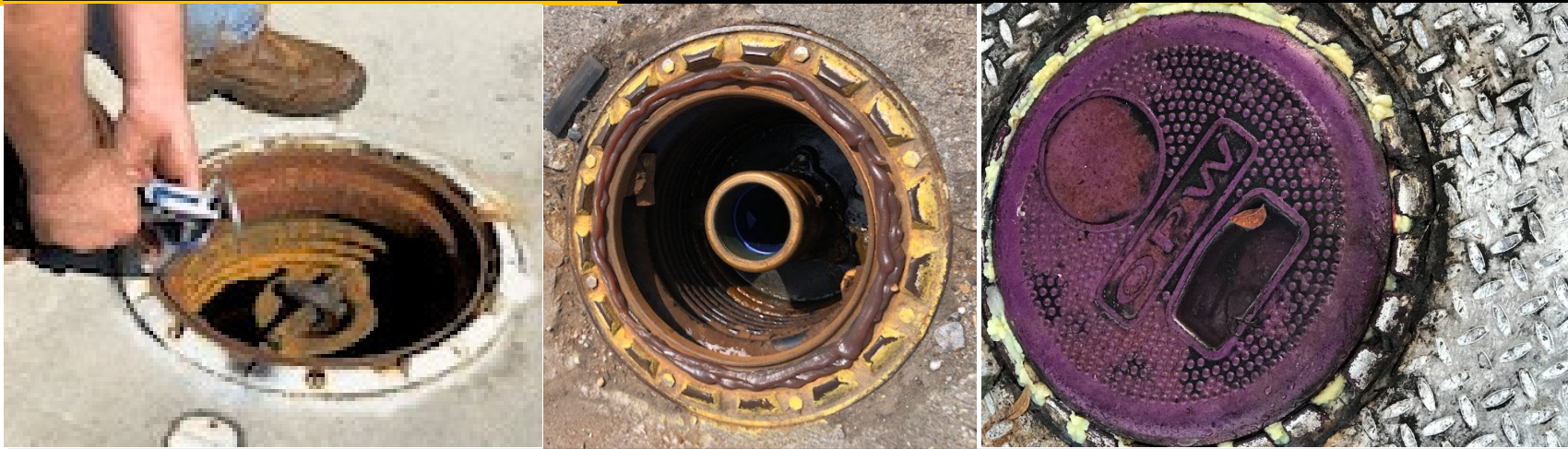
**How Technology Works To Block Water:** Steel Camel products contains water blocking compounds & polymers in a grease like form, which when comes in contact with water, creates a barrier to block water from intrusion. As more water enters, the previously blocked water, now in a polymer form, blocks future water intrusion. Check after 30 days and re apply as needed.

### Products:

1. **AquaBlok Gel** comes in 10 and 30 ounce tubes and is applied by a caulking guns.....**Spreads Easy**
2. **Camel Dough** comes in 16 ounce tubs and is applied by gloved hands.....**Thicker and Stickier**
3. **Dead Snake - Compression Fit Gasket** comes in 12" and 24" Stretch Socks - with chemistry inside

## Clean Dry Sumps & Spill Buckets

## AquaBlok - Water Blocking Gel



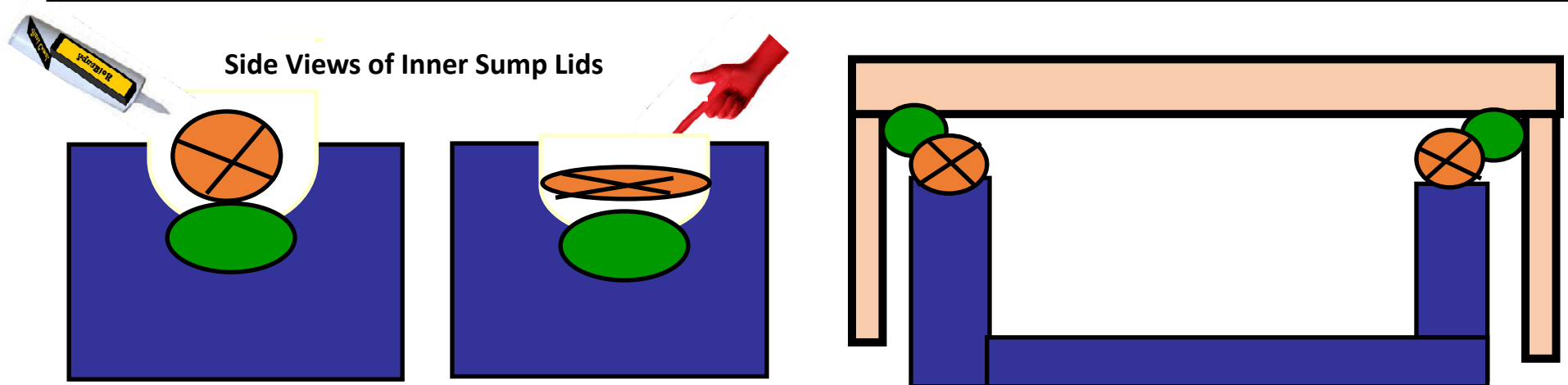
### Uses & Properties:

**AquaBlok Gel** is applied with caulking gun for Spill Bucket lids. Apply 1/2" bead. Wipe off excess, and replace lid.

**AquaBlok Gel** is used as a glue for holding Dead Snakes in place. Apply 1/4 bead in receptacle prior to Dead Snake install.

**AquaBlok Gel** is used to prevent spill buckets and sump lids from freezing shut down to 0F. Apply under and on sides of rim.

**AquaBlok Gel** is easily spread with gloved finger or spoon like device.



Apply half Inch (1/2) bead of AquaBlok in groove where gasket is. Spread out evenly with heavy gloved finger or other device. Or, Spread out on inner sump lid where gasket is installed. Re—apply AquaBlok as needed.

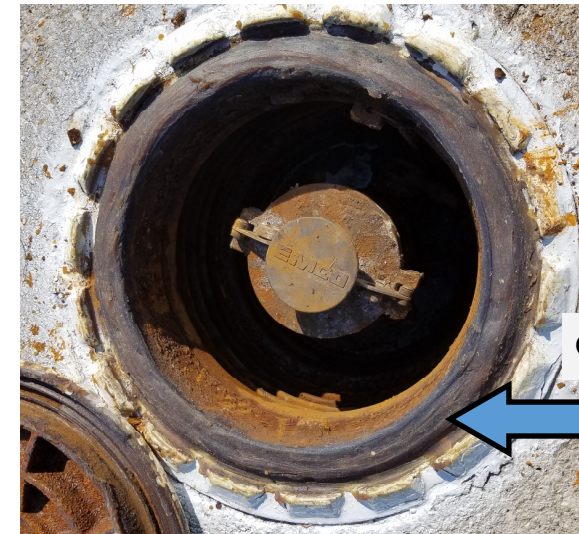
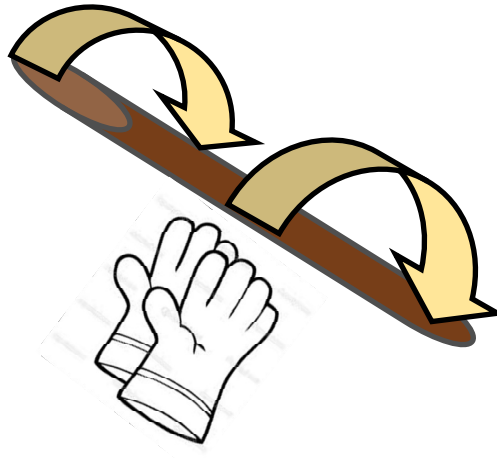


## Clean Dry Sumps & Spill Buckets

## Camel Dough - Water Blocking Compound



**Camel Dough**



**Camel Dough**

### Uses & Properties

**Spill Buckets:** Camel Dough is rolled into 3" to 4" length x 1/2" width round pieces. The rolled pieces are placed in grooves of spill bucket receptacle and under lids with gloved fingers. Replace lid. Wipe off excess.

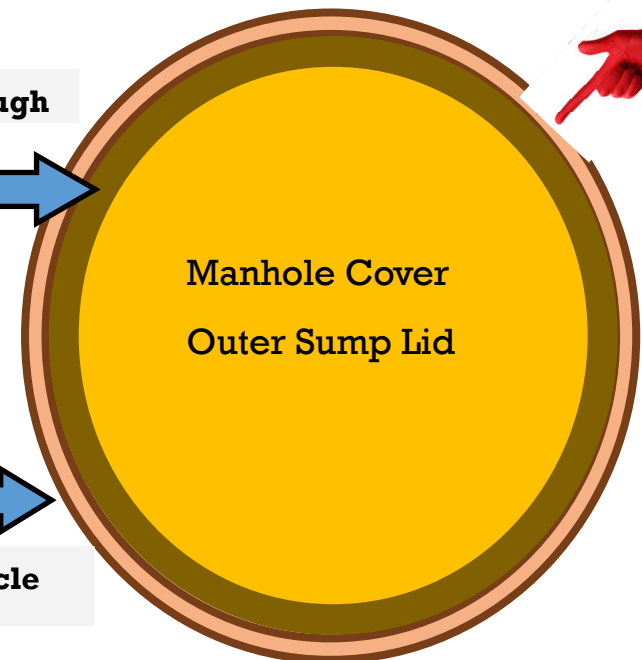
**Manhole Covers:** Camel Dough is also used to fill gaps in manhole covers and outer sump lids. Roll into 3" to 4" length pieces. Then spread to fill gaps with gloved finger.

**Camel Dough** is thicker, stickier and more robust than Aquablok Gel.

**Camel Dough**



**Receptacle**



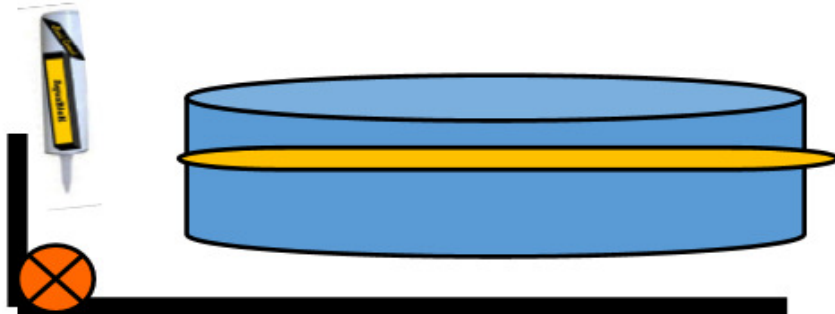
Manhole Cover

Outer Sump Lid

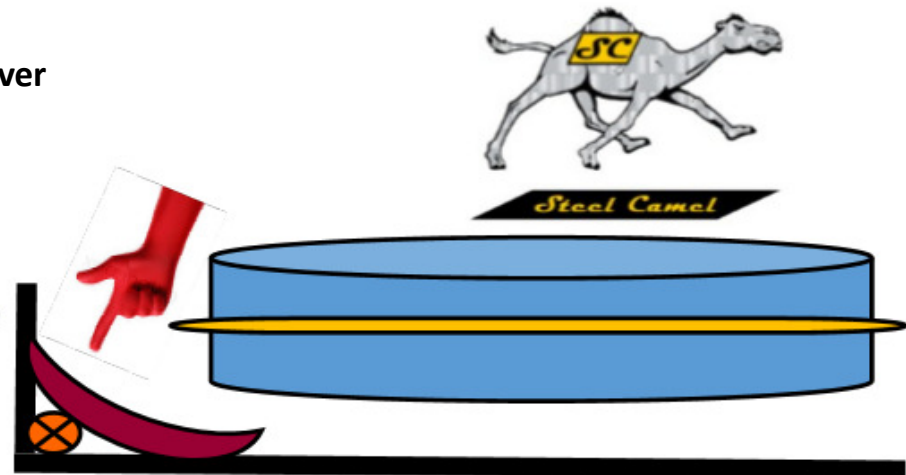
## Clean Dry Sumps & Spill Buckets

## Dead Snake - Compression Fit Water Blocking Gasket

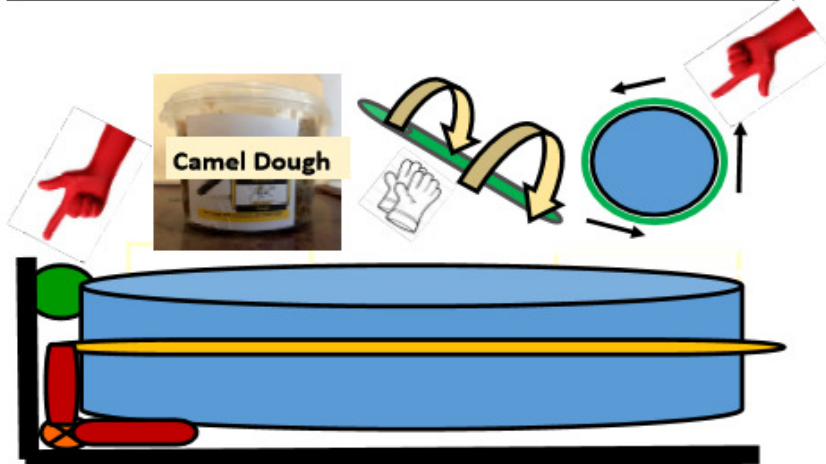
Side View of Ouster Sump Lid / Manhole Cover



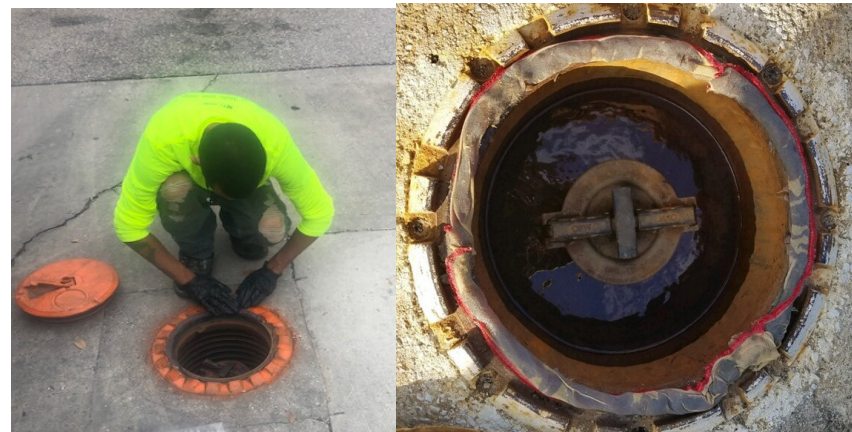
Step 1. Apply 3/8"-1/2" bead of AquaBloK at base of receptacle. The AquaBloK also acts as a glue to hold Dead Snake in place.



Step 2. Apply Dead Snake Stretch Sock on top of AquaBloK bead and flatten out in half moon shape to contour of receptable. Use a gloved hand....its is sticky!



Step 3. Apply Camel Dough around circumference of lid. Spread into gaps with gloved finger.



### Uses & Properties:

**Dead Snakes** are used at stations with multiple deliveries per week  
**Dead Snakes** are used in heavy rain and snow melt situations.  
**Dead Snakes** are pliable, stretchable, foldable, compressible and can be cut to length. Each section can easily be replaced



## Clean Dry Sumps & Spill Buckets



## Complementary Products for Anti Freeze & Anti Seize

- |                      |            |
|----------------------|------------|
| ◇ Lids & Covers      | ◇ Locks    |
| ◇ Piping Connections | ◇ Risers   |
| ◇ Fasteners          | ◇ Adapters |
| ◇ Fill Caps          | ◇ Nipples  |

## Steel Camel Technology Prevents Spill Containers From Cracking

### Lubrication and Anti Freeze:

Steel Camel Gels, Doughs and Dead Snakes are used to provide not only water intrusion prevention, but also to allow lids and caps to come on and off more easily in the cold weather. The products contain a light oil / grease like substance that works as a mild lubricant down to 0F.

### Corrosion Prevention and Anti Seize Products:

Temperature Dips, Moisture and Fuel Vapors can wreak havoc on metal components causing corrosion, deformation, expansion, chipping and wear. These situations can be reduced by applying Steel Camel products during construction, maintenance or overhaul.

**Thread N Post** is a heavy duty anti seize for harsh environments. Special ingredients make it ideal for removal and installation of metal parts and hardware

**Steel Camel Corrosion Inhibitor** our flagship product is ideal suited for treating fuel components. The product contains a light lubricant and powerful corrosion inhibiting properties. Features: Dip, Brush or Spray. Minimal dripping, no acid, no fumes, can be applied over light corrosion, no grease, no mess and is a replacement for paint and coatings.



## Clean Dry Sumps & Spill Buckets

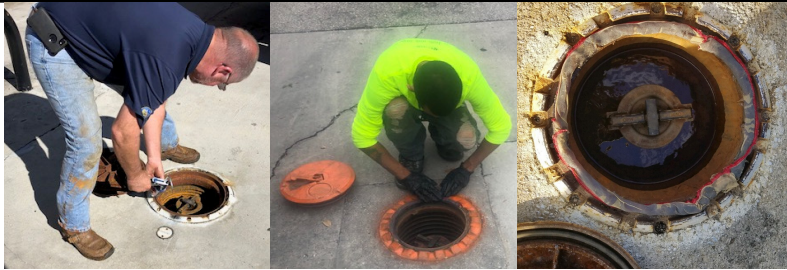
## Frequently Asked Questions

1. Q: Why can't I use MATS to block water?  
A: You Can. However mats tend to get stolen, lost, run over, dragged, tripped over and water logged, often making problems worse.
2. Q: What about environmental run off  
Issues concerning Steel Camel Polymers.  
A: Steel Camel polymers will hold elements of water in their place and occasionally rise above the lid. Simply sweep up and throw away. The products enjoy a clean SDS sheet and are available upon request.
3. Q: Will gels, doughs and snakes work  
In cold weather and below 0F?  
A: Steel Camel oil based compounds remain pliable at 0F. Our main purpose with these products is to prevent water penetration and freezing lids. On the contrary, traditional greases hold water and become ineffective for the purposes of blocking water and preventing freezing lids. For sub 0 applications, we can change oil properties upon request.
4. Q: Can products be applied by store personnel  
and delivery drivers?  
A: Absolutely. The applications are quite simple and safe. All AB trained operators, drivers, inspectors and contractors can complete these simple tasks. The products can be easily applied prior to big rain or snow melt.
5. Q: Why is water in UST tanks bad news?  
A: Water in tanks leads to increased sludge in diesel, increase frequencies of tank cleaning and degradation of tank components. Additionally, water that is not picked up by traditional dispenser filters leads to increased fuel consumption and poor engine performance of consumers. And increased air pollutions are created due to unburnt fuel exhausting from tail pipes.
6. Q: Why can't I remove water / liquid in my  
spill bucket through the drain valve such  
as stated in California Water Board  
Standard CCR 2635(b).  
A: While legal to do so in CA, in most other states this practice is not legal, in fact there are rules to remove liquid out of the spill bucket for disposal and in required time frames. Some states also require reporting or verification.
7. Q: I like my gaskets, but I still get water  
intrusion. Do I have to replace all my  
rubber gaskets?  
A: NO. Steel Camel products AquaBlock Gel and Camel Dough can support your current gaskets and block water intrusion. When the rubber gaskets begin to wear, consider replacement with Dead Snakes.

## Clean Dry Sumps & Spill Buckets

## Comparison Chart

### Steel Camel Water Water Blocking Technology



**Vs.**

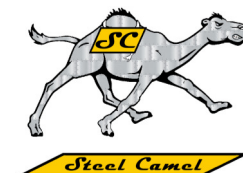
### Petroleum Contaminated Water: Removing, Storing, Transporting & Depositing



Criteria	Steel Camel	PCW Removal, Storing, Disposal & Transporting
Requires personnel pumping and lifting pails of hazardous water/fuel mixture	Significantly Reduced	Yes
Requires contractor or tank owner personnel to have DOT Permit for Hazardous Water Fuel/Mixture transport.	NO	Yes
Requires contractor or tank owner personnel to have up to 250 gallons or of Fuel Water Mixture "Sloshing" around during transport.	Significantly Reduced	Yes
Requires tank owners to keep records of fuel / water mixture removal and disposal (Required in some states)	Significantly Reduced	Yes
Requires tank owner to keep tabs on levels of onsite secondary HazMat container with water/fuel mixture.	Significantly Reduced	Yes
Reduces water ingress to prevent ice formation and damage to spill bucket components	Significantly Reduced	NO
Reduces overall carbon footprint, truck traffic and energy consumed.	Significantly Reduced	NO
Blocks cars, takes up valuable space at gas station	NO	YES



While different states have different rules for allowable water in sumps and spill buckets, and timetables for removal, the Federal Standard under 40 CFR Part 280 is clear:



§ **280.36** Periodic operation and maintenance walkthrough inspections.

- (a) To properly operate and maintain UST systems, not later than October 13, 2018 owners and operators must meet one of the following:
- (b) (1) Conduct a walkthrough inspection that, at a minimum, checks the following equipment as specified below:
- (c) (i) **Every 30 days** (Exception: spill prevention equipment at UST systems receiving deliveries at intervals greater than every 30 days may be checked prior to each delivery):
- (d) (A) Spill prevention equipment— visually check for damage; **remove liquid\*\*\*** or debris.

\*\*\* The word “removal” does not necessarily mean a station owner must remove liquid up and out, and place into a drum. The word “removal” can mean removal through a drain valve into the tank. While this act may provide some convenience to some, water in tanks can wreak havoc, create sludge, cause phase separation, premature clog filters, destroy interior component, decrease fuel quality and more.





## Product and Application Guide for Dry Sumps & Spill Buckets



### Compliance State Regulations

Each state can have different rules regarding allowable amounts of water in spill containments and different levels of removal frequencies. However, 40 CFR Part 280 states :

State Program Approval

The [state program approval \(SPA\)](#) regulations set criteria for states to obtain the authority to operate in lieu of the federal program.

**State programs must be at least as stringent as EPA's.**

To help tank owners lower maintenance costs, reduce compliance violations, reduce chances of a release, reduce waste hauling bills etc, Steel Camel recommends tank owners and contractors adhere to the most stringent of state standards. This is particularly important for companies that operate in multiple states. Below is example of such state standards.

#### Florida

[UST Rule](#), 62-761.700, Florida Administrative Code (F.A.C.), Repairs, Operation and Maintenance, water must be **removed within 72 hours of discovery**:






62-761.700(3)(b) Water removal.

1. Spill containment systems, interstitial spaces, dispenser sumps, and piping sumps shall be maintained to provide access for examination and water removal. Water in excess of one inch in depth, or any regulated substance collected in secondary containment, spill containment systems, or in piping sumps and dispenser sumps shall be removed within **72 hours** of discovery and be either reused or properly disposed.

## Product and Application Guide for Dry Sumps & Spill Buckets



### Ordering / Tech Support

Product		Usage	Part #, Size		Coverage
<b>AquaBlok - Gel</b> Sump & Spill Bucket Lids Electrical Conduit Water Intrusion Barrier - Caulking Tube		For Low to Medium Delivery Applications	AB125	1 10 oz.	One 10 oz. tube will provide treatment 3 Spill Buckets. High Spread Capabilities
			AB125C	Case 12	
			AB128	1 30 oz.	
			AB128C	Case 6	
<b>Camel Dough</b> Sump & Spill Bucket Lids Water Intrusion Barrier - Paste		For Heavy Use, Rain & Snow Melt	CD16	1 lb. tub	Thick and Sticky Limited Spread Capabilities
			CD16C	Case of 12	
<b>Dead Snakes 12" - Pack of 6</b> <b>Dead Snakes 24" - Pack of 6</b> Water Blocking Compression Fit Sock Gasket		For Heavy Use & Deliveries, Rain & Snow Melt	6DS12	Pack of 6	Spill Bucket: 3 each 12" Dead Snakes
			6DS12C	Case—6 Packs	
			6DS24	Pack of 6	Sump Lids: 5-6 each 24" Dead Snakes
			6DS24C	Case—6 packs	
<b>Thread N Post—Anti Seize</b> For Bolts, Nuts, Screws, Pipe Fittings and Valves exposed to fuel vapors, salt air and harsh conditions		Heavy To Extreme Corrosion Environments	TG133	8oz w/brush	Thick Limited Spread Capabilities
			TG133C	Case of 12	
<b>Steel Camel</b> Corrosion Prevention Compound For High Acid and Hostile Environments Sumps, Spill Buckets, Fasteners, Schedule 40 & 80 Pipe		General To Extreme Corrosion Environments	#SC105Q	Quart	1 Quart will Complete 1 STP Motors with leftover for touch up and treating secondary components. Ideal for Dip & Brush & Spray Applications.
			#SC107G	Gallon	

## Product and Application Guide for Dry Sumps & Spill Buckets



### Fuel Delivery Driver Education



Dear Driver,

### Please Don't Take The Snake!

Water Intrusion in fuel tanks has negative effects on our tanks, fuel quality, your tanks, customer tanks and the planet. Any questions, let your supervisor and store manager know.

Thank you,

**The Tank Owner\*\*\***

\*\*\*The company that pays your company so your company can pay you.

Should you like to learn more about prevent water intrusion, please call Steel Camel and 813-877-4665.

