



C.I.Agent® Geomembrane Liner with VIPOR System

Is your water table too close to the surface for comfort? C.I.Agent Solutions® has the solution for you. We have incorporated our C.I.Agent® Geomembrane Liner with our VIPOR (Vault Integrated Pump and Oil Redundancy) System to provide simultaneous hydrocarbon protection and water evacuation. The Geomembrane Liner forms a protective barrier between a possible hydrocarbon releases and the underlying subsoil. To remove water, a drain is installed in a corner of the liner and exits via an outlet pipe to a pit containing the VIPOR. As water fills the pit, the walls of the VIPOR system, constructed of patented C.I.Agent® Agent-Q (US Patent 8,986,8222) and nylon, filter debris and process water, while defending the pump from hydrocarbons. Once the water reaches a certain level, a sump pump located inside the system's perforated plastic casing, will automatically activate, pumping clean water out of the pit through a discharge pipe. Similar to many of our other products, in the event of a discharge, the system will shut off and back up, alerting O&M crews that there is an issue.

For added redundancy protection, the system also features a C.I.Agent® VSF filter around the VIPOR.

Features and Benefits

- Impervious subsurface (Clay)
- Permeable subsurface (Sandy or undetermined subsoil)
- Near navigable water
- Can support vehicle traffic/heavy loads
- Water table close to the surface
- Fits within space constraints of the site
- No depth restrictions
- Insurance policy
- Below-grade containment
- Above-grade containment
- Fire suppression/Fire resistant capabilities
- Supports redundancy
- Supports high flow rates at low head pressure
- Aesthetically pleasing
- Passive containment
- Minimal maintenance (if pre-filter is regularly checked and replaced as needed)
- Easy installation (1 to 2 days)
- Can solidify all types of hydrocarbons (including FR3)
- Creates a smaller footprint

Contact us today to explore how we can solve your oil containment challenges

C.I.Agent Solutions®

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