



## CASE STUDY

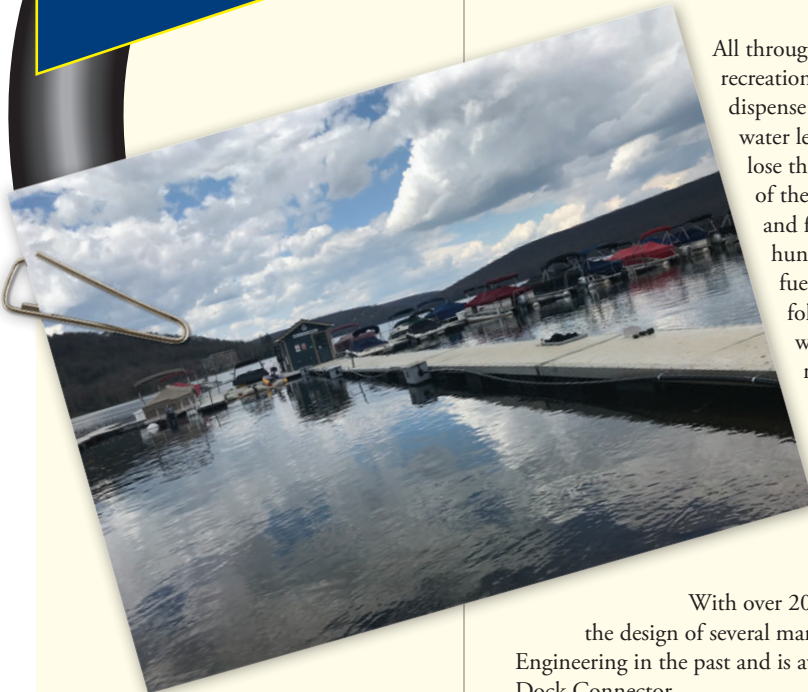
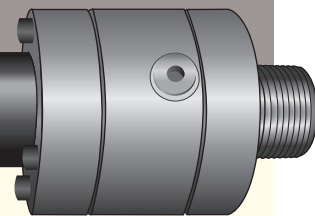
### DoubleTrac® Stainless Steel Piping for Inland Lake Marinas

- Saves Time
- Saves Money
- Increases Installation Options

**Product:**

**DoubleTrac®** Stainless Steel Piping for Inland Lake Marinas

**Location:** Oakland, Maryland



*DoubleTrac® piping run out to fuel house.*

All through the United States there are thousands of small privately owned recreational marinas located on inland lakes which have the capability to dispense fuel. One of their most challenging issues is dealing with the receding water level in the lakes in the latter part of the boating season. Marina owners lose thousands of dollars a season because boats are not able to dock in some of their boat slips. Marina owners need the ability to extend their docks and fuel system as the water level recedes. At the end of the boating season hundreds of these marinas need the ability to dismantle their docks and fuel system for winter storage. In addition, Marina owners are tasked with following the latest fuel dispensing regulatory requirements that comply with state and local codes. Prior to investing capital funds into their marinas, owners must choose a knowledgeable petroleum contractor, the best fuel piping, and have the ability to extend and dismantle their dock and fuel system when needed.

Kyle Nelson of Clean Fuels Associates located at 7666-A Baltimore Annapolis Blvd. Glen Burnie, MD 21060 has found the best way to combat these issues is by using DoubleTrac® by OmegaFlex.

With over 20 years of experience Kyle and his team have been involved in the design of several marinas throughout Maryland. Kyle has worked with DoubleTrac Engineering in the past and is aware the features and benefits of DoubleTrac® and our DoubleTrac Dock Connector.

Kyle was contacted by the owner Travis McCann of Silver Tree Marina Fuel Dock located at 567 Glendale Road Oakland, MD 21541. The owner of the marina was faced with complying with the latest fuel dispensing regulatory requirements complying with state and local code. In addition, the owner wanted to have a dock and fuel system capable of being extended or dismantled as needed.

Kyle and DoubleTrac engineering did a site evaluation. The current fuel system was an antiquated hose reel that was positioned on shore and a 2-inch rubber hose extended down the length of the dock about 130 feet connected to hard pipe that fueled each dispenser.

By using a combination of DoubleTrac straight sections of pipe with our field attachable fittings attached to Dixon "No Spill" Cam-lock couplings and a 50ft DoubleTrac Dock Connector we had designed a dock and fuel system that was capable to being extended and dismantled as needed.

Marina owners are spending a substantial amount of money complying with the latest fuel dispensing regulatory requirements that comply with state and local codes. Having a knowledgeable petroleum contractor and an engineered driven UL 971A listed fuel piping manufacturer is paramount in developing and designing a fuel system that is code compliant and exceeds the expectation of the marina owner.



*DoubleTrac transition sump with DoubleTrac removable entry fittings.*

*(continued on back)*



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ISO 9001 Registered Company

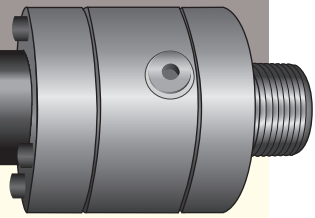
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### DoubleTrac® Stainless Steel Piping for Inland Lake Marinas



*(continued from front)*

Inland lake marina owners in the state of Maryland can rest assure if they want an excellent UL971A listed double containment piping system designed and installed, they should contact Kyle Nelson with Clean Fuels Associates.

DoubleTrac® is a double wall fuel piping that has a 316L Stainless Steel primary and an Engineered Fluoropolymer EFEP (Ethylene Fluorinated Ethylene Propylene) as a second barrier that is bonded to a Nylon 12 outer jacket which is UV protected. DoubleTrac® can be considered a "Green Product" because, the primary Stainless Steel piping has zero permeation and the EFEP/Nylon12 outer jacket has nearly zero percent permeation (.000001%). DoubleTrac® is a true Future Fuel ready pipe, and is the best choice for today's Recreational Fuels, Bio Diesel and Low Sulphur Diesel blends.

DoubleTrac® pipe and fittings are UL 971A listed and meet the salt spray test requirements of ASTM-B-117-90.

DoubleTrac® passed a 2-hour Fire test witnesses by UL (Underwriters Laboratory).

DoubleTrac® also meets the stringent requirements of the Florida Department of Environmental Protection for Marina piping systems.

DoubleTrac® has a patented mechanically field attachable fitting that creates a Metal to Metal Seal that require NO O-rings which have a finite life span and can degrade over time. DoubleTrac® is a highly engineered piping and fitting assembly that is robust enough to last when you are installing it over rivers, lakes and ocean waters. DoubleTrac® can be purchased in a variety of lengths supplied on reels. One of the advantages of DoubleTrac® is the ability to be delivered in long lengths. The benefit of long lengths is fewer transition sumps and fitting connections, reducing the amount of potentials leak paths. DoubleTrac® can be ordered in shorter lengths as well, to minimize waste and control cost. DoubleTrac® has a 15 Year Above Ground Warranty and a 30 Year Below Ground Warranty.

DoubleTrac® also offers Double Wall Elbows and Tee fittings.

OmegaFlex offers a team of in house Engineers dedicated to assist with any type of piping layout, or technical question about DoubleTrac®.

DoubleTrac® is ideal for fixed dock installations. Floating docks are unique and require OmegaFlex Engineering to determine if DoubleTrac® can be used along a gangway. When OmegaFlex Engineering determines DoubleTrac® cannot be used along a gangway, the dock to shore connection should be an approved flexible connector. OmegaFlex Engineering can design a reinforced double containment 316L Stainless Steel over a 316L Stainless Steel Dock Connector capable of taking up severe tidal movement. Dock Connectors are custom fabricated and the fitting attachment is TIG welded.

Contractors must be certified to install DoubleTrac® OmegaFlex offers onsite training free of charge.



*DoubleTrac dock connector from tank to first transition sump.*



*Kyle Nelson's clean fuel associates crew.*



[www.doubletrac.net](http://www.doubletrac.net)