Crisafulli Integral Floating Discharge Line

To carry the dredged sludge from the dredge to the designated disposal site, typically on land, the Crisafulli DREDGE (whether FLUMP or ROTOMITE) uses Crisafulli Integral Floating Discharge Line ("CIFDL"). The Discharge Line is modular, offered in either 15 foot or 20 foot rigid lengths, and 5 foot flexible lengths, and is one of three styles – i.e., (1) aluminum pipe with aluminum floats; (2) aluminum pipe with foam floats; and (3) polyethylene pipe with foam floats. Crisafulli recommends starting at the dredge with a flexible section, then alternating rigid and flexible, and ending in a flexible section. Each section, either rigid or flexible, includes a female quick coupler, a ring clamp and rubber gasket. A #150 flange is available to adapt to a customer's pipe line. The Discharge Line is offered in 4-inch, 6-inch, and 8 inch diameters. Crisafulli Floating Discharge Line system is highly versatile, easy to set up and use, and can carry heavy, concentrated sludge across a pond to the discharge site, often up to 500 feet.

BENEFITS: When the discharge pipe and its floatation mechanism are integral to one another (permanently attached) as are Crisafulli's (hence the name "Integral Floating Discharge Line"), three common problems associated with floating discharge lines are minimized or avoided:

(1) Crisafulli alternates rigid and flexible sections to assure maximum flexibility and to eliminate kinking or twisting of the line which occurs (and causes operational difficulties) with other types of floating line;

(2) Crisafulli's integral flotation is part of each rigid floatline section which eliminates the need for cumbersome float balls or other floatation mechanisms. Alternative non-integral floatation systems must be launched and retrieved; float balls or other types of floats can become detached as floatline moves through the lagoon (subjecting the line to sinking). Crisafulli's integral floats will not detach.

(3) Crisafulli's integral floatation reduces floatline "drag" as it moves through the sludge or slurry.

Selection Guidelines: Aluminum -vs- Poly

(1) Aluminum/Aluminum style weighs less than the other two types (Aluminum/Foam & Poly/Foam) making each section easier to pick up and handle (especially if one man is setting up the float line).

(2) Aluminum/Aluminum has no exterior foam to wear or deteriorate in the sun's rays

(3) Choose aluminum/aluminum as the economical alternative when you install floatline at one lagoon and leave it there.

(4) Aluminum floatline styles are most appropriate for non-abrasive sludges and slurries.

(5) Aluminum/aluminum can be punctured, however, and water infiltration can sink the line. If the floatline will be moved repeatedly from lagoon-to-lagoon, increasing the likelihood of a puncture, Crisafulli recommends an Aluminum/Foam or Poly/Foam floating discharge line.

(6) Poly/Foam floatline is recommended for applications involving consistent dredging of abrasive materials.

(6) All Crisafulli integral floating discharge line comes in manageable, convenient lengths for ease of handling and assembly.

Kindly refer to the attached drawing and specification for technical details.

To view this floating discharge line in use at a dredging site, please visit www.dredge.net