

CFAST utilizes its **CORE** Unit to help oil and gas producers resolve a host of potential issues with produced water, completion fluid flowbacks, pipeline fluids filtration and other problematic produced water streams. Using the CORE technology, RRT CFAST is able to produce overboard quality water, which meets all NPDES guidelines, without the use of any costly bulk media vessels.



The **CORE** System IP is a **micro-encapsulating flocculating dispersion (MFD)**. The nanopolymer material has a significantly longer chain molecular structure that contains hydrophobic (water resistant) surfaces as well as hydrophilic (water attracted) surfaces. The polymer's structure and particle size allow it to form a stable dispersion in water. When this dispersion is mixed with contaminated water, the large surface area of the nanopolymer allows for very rapid and very efficient absorption of the residual hydrocarbons and solids. The bulk flocculant that is formed during the process quickly separates from the water, taking the contaminants with it.



Applications:

- Pipeline Fluids Treatment
- Produced Water Treatment
- Workover Fluid Treatment
- Coiled Tubing Support
- Flowback and Completion Fluids Treatment

Advantages:

- No Adsorptive Media Costs
- Minimizes Logistics Costs
- Minimizes Vessel Rentals
- Minimizes Vessel Cleaning Costs
- Minimizes Waste Liability
- Modular Design to Achieve Smaller Footprint with Greater Flexibility

