Pass the Salt: Desalination Brine Disposal Challenges

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Desalination Process and RO Plants

Reverse Osmosis Membrane Element inside a Pressure Vessel

- **Fabric Backing**
- **Plasticized Tricot** (Grooves in the Tricot create a spiral flow of desalted water to the exit tube in the center of the vessel)
- **Sealant** (Membrane is sealed on three sides to form an envelope)
- **Fiberglass Membrane Shell** (Encases the membrane)

**CONCENTRATE** (salty leftover water that didn’t go through the membrane)

- **Brine Spacer**
- **SALTY FEED WATER**
- **Desalted Water Exit Tube**
- **Salt-Rejecting Membrane Cast on Fabric Backing** (Coats the fabric backing to allow water molecules to pass through)
- **Fiberglass Pressure Vessel** (To contain the element)

**DESLATED WATER**

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Legal Framework and Opportunities
Questions

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