

## **WINTERIZING**

### **DRAIN THE SYSTEM**

- Dump holding tanks, Flush tanks, then leave dump valves open.
- Open low point drains, Fresh tank, Hot water line, cold water line
- Open all faucets
- Remove the water heater fuses (AC and DC) to ensure it doesn't get turned on
- Remove drain (electric heating element) from water heater,
- Open pressure relief valve on water heater
- Remove the supply and outlet hoses from the water pump.
- Allow the lines to drain completely.

### **PUMPING ANTIFREEZE INTO PLUMBING**

- Close low point drains, close all water faucets.
- Place water heater in BYPASS
- Re-connect water pumps OUTPUT hose
- Connect antifreeze siphon hose to water pump INPUT.
- Turn pump on. Watch the antifreeze level, it should take 2-3 gallons to perform this
- Open each hot and cold faucet one at a time, until antifreeze comes out the faucet, close the faucet.
- Flush the toilet until antifreeze can be seen in the bowl.
- Once all facets have antifreeze, briefly open the water heater bypass to get a cup or so of antifreeze into the water heater. return the valve to BYPASS.
- Briefly open the hot and cold low point drains until antifreeze can be seen draining out.
- Turn the water pump OFF, remove the INPUT hose.
- Slowly pour antifreeze into the fresh tank until antifreeze can be seen coming out of the drain and the water pump supply hose.
- P-TRAPS - Pour 1 cup of antifreeze into each of the kitchen sinks an, the bathroom sink, and the shower drain.
- Pour one cup of antifreeze into the toilet and briefly open the flush valve. Pour a little antifreeze into the toilet to cover the bottom

### **DE\_WINTERIZE / SANITIZE**

- Verify Gray and Black dump vales are closed
- Open HOT and COLD low point drains
- Open all faucets
- Close fresh water tank drain
- Insert hot water drain / electric element
- Close hot water pressure relief valve
- Open hot water bypass valve
- Connect water pump IN and OUT hoses
- Add 1 cup bleach to fresh tank
- Add 20-30 gallons water to fresh tank
- Turn water pump ON
- Run each hot and cold water faucet until water flows and the chlorine odor is present. Note that it may take a few moments to allow hot water tank to fill
- Allow the chlorinated water to remain in the system for an hour or so.
- Drain fresh tank and re-fill with fresh water.
- Open hot and cold facets until chlorine mixture is cleared