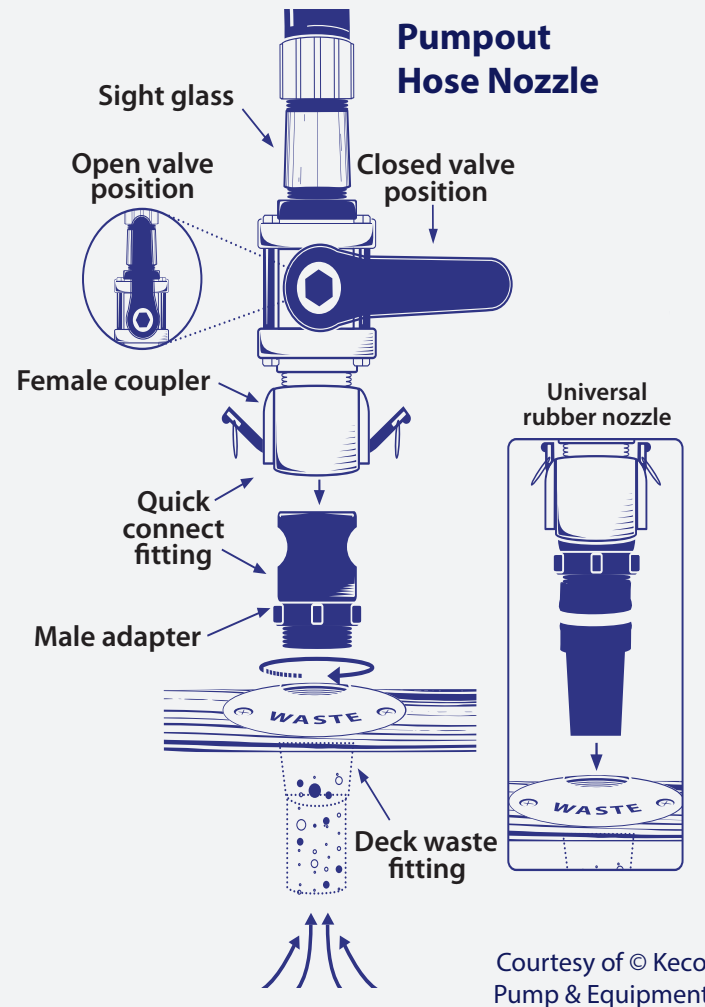


## Step by Step Pumpout Instruction

1. Ensure the **valve** is in a closed position.
2. Activate the pump using on/off control.
3. Remove the **deck waste fitting** cover from the boat.
4. Connect suction hose to the **deck waste fitting**.
  - If using a universal rubber nozzle fitting, press firmly into the **deck waste fitting**.
  - If using a quick connect fitting, thread male adapter into the **deck waste fitting** and attach the **female coupler**.
5. Slowly open the **valve** and observe flow through the **sight glass**.
6. When the waste tank is empty, disconnect the suction hose from the **deck waste fitting**.
7. Flush the suction hose with lake water for 30 seconds.
8. Return the **valve** to the closed position.
9. Deactivate the pump using on/off control and return the suction hose.



## Troubleshooting

If the hose nozzle does not seal or lock to the deck fitting during pumpout, readjust and firmly hold the nozzle in place.

If a flow does not occur within 30 seconds, place suction hose fitting into the lake water. If you can now see a flow of lake water through the sight glass this means that the problem is onboard and not with the pumping equipment. Possible problems could include:

- Vent obstruction onboard boat.
- Inadequate connection to boat.

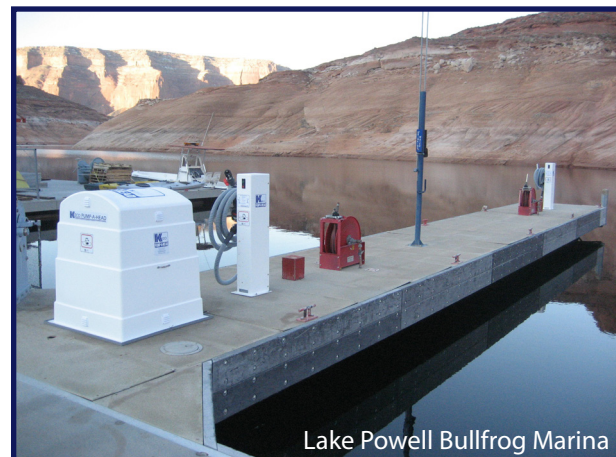


Image courtesy of © Keco Pump & Equipment.  
www.pumpahead.com

## Pumpout Locations North to South:

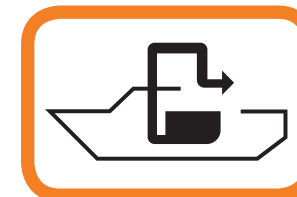
Bear Lake State Park	(435) 946-3343
Willard Bay State Park	(435) 734-9494
Pineview Reservoir	
Ogden Ranger District	(801) 625-5112
Flaming Gorge	
National Recreation Area	(435) 789-1181
Cedar Springs Marina	(435) 889-3795
Lucerne Valley Marina	(435) 784-3483
Great Salt Lake State Park	(801) 250-1898
Jordanelle State Park	(435) 649-9540
Utah Lake State Park	(801) 375-0731
Strawberry Reservoir	(435) 548-2261
Lake Powell	(928) 608-6200

### Marinas:

Dangling Rope	(928) 691-0206
Halls Crossing	(435) 684-7000
Wahweap	(928) 645-1027
Bullfrog	(435) 684-3062

### Manual Pump Stations:

Warm Creek Bay  
Dominguez Butte  
Rock Creek Bay  
Escalante Bay  
Rincon Bay  
Good Hope Bay



Pumpout Station Symbol

## For More Information:

U.S. Coast Guard  
uscgboating.org

U.S. Fish and Wildlife Service  
fws.gov

Utah State Parks & Recreation  
stateparks.utah.gov

Funded by U.S.  
Fish and Wildlife  
Sport Fish  
Restoration Fund



# Pump it Out!

## A Guide to Marine Sanitation Systems



## Utah State Parks Boating Program





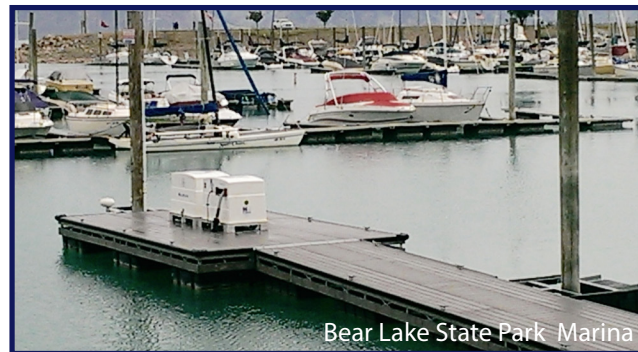


## Maintenance

- **Hose nozzle suction:** Achieve the best pumpout suction by keeping the ventilation system clear of cobwebs and debris through regular dusting.
- **Avoid hard water buildup:** Pour a pint of white vinegar down the toilet slowly by giving it a few single flushes every 4 to 5 minutes. After the vinegar has passed through the system, flush a gallon of water down to further flush the lines.
- **Summer:** Do not let waste accumulate in holding tanks all summer before pumping out.
- **Winter:** Follow boat manufacturer's instructions for winterizing your toilet and engine.

## Holding Tank Preparation

- Follow boat manufacturer's instructions for pre-treatment of holding tanks.
- Prior to pumping out, flush a generous amount of water into the holding tank. More water will loosen the tank's contents and ease pumpout.
- Liquid waste only needs a single flush.
- Solid waste requires 3 to 4 flushes.

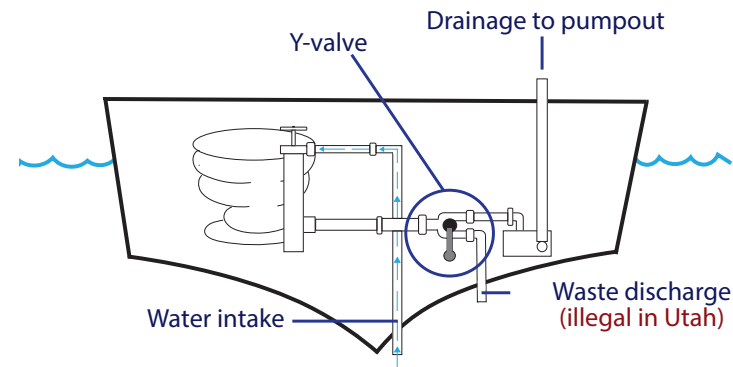


## Types of Marine Sanitation Devices

Marine toilets must be a Type I, Type II, or Type III U.S. Coast Guard-certified Marine Sanitation Device (MSD).

- Type III MSDs hold waste for onshore or dockside pumpout. Type III MSDs do not require modification in Utah.
- Type I and Type II MSDs discharge treated waste into the water. **This is illegal in Utah and violators can be fined over \$1,000.**
- Some Type I and Type II MSDs are equipped with a Y-valve that can be used in Utah when properly modified.

### Marine Sanitation Device Equipped with a Y-valve



## How to Modify a Y-valve

The Y-valve must be secured with a physical barrier that prevents all discharges.

Follow your boat manufacturer's instructions for modification details.

Adequate modification includes:

- Removing the valve handle.
- Using a padlock.
- Using a non-releasable wire tie.

## Pump it! Don't dump it!

Onboard sewage management is not an enjoyable matter to think about, but is an important part of maintaining your boat's system and your own health.



## The Clean Water Act

The Clean Water Act is a federal law that sets wastewater standards and monitors the discharge of pollutants into waters of the United States.

## How the Clean Water Act Effects You

- Nobody wants to boat, swim, or fish in sewage-infested waters.
- When you dump sewage into the water, it is damaging to human and animal health.
- Water pollution can easily collect in stagnant areas of water, which are present in many of Utah's lakes and reservoirs.