



# Florida Department of Environmental Protection Clean Vessel Act Program

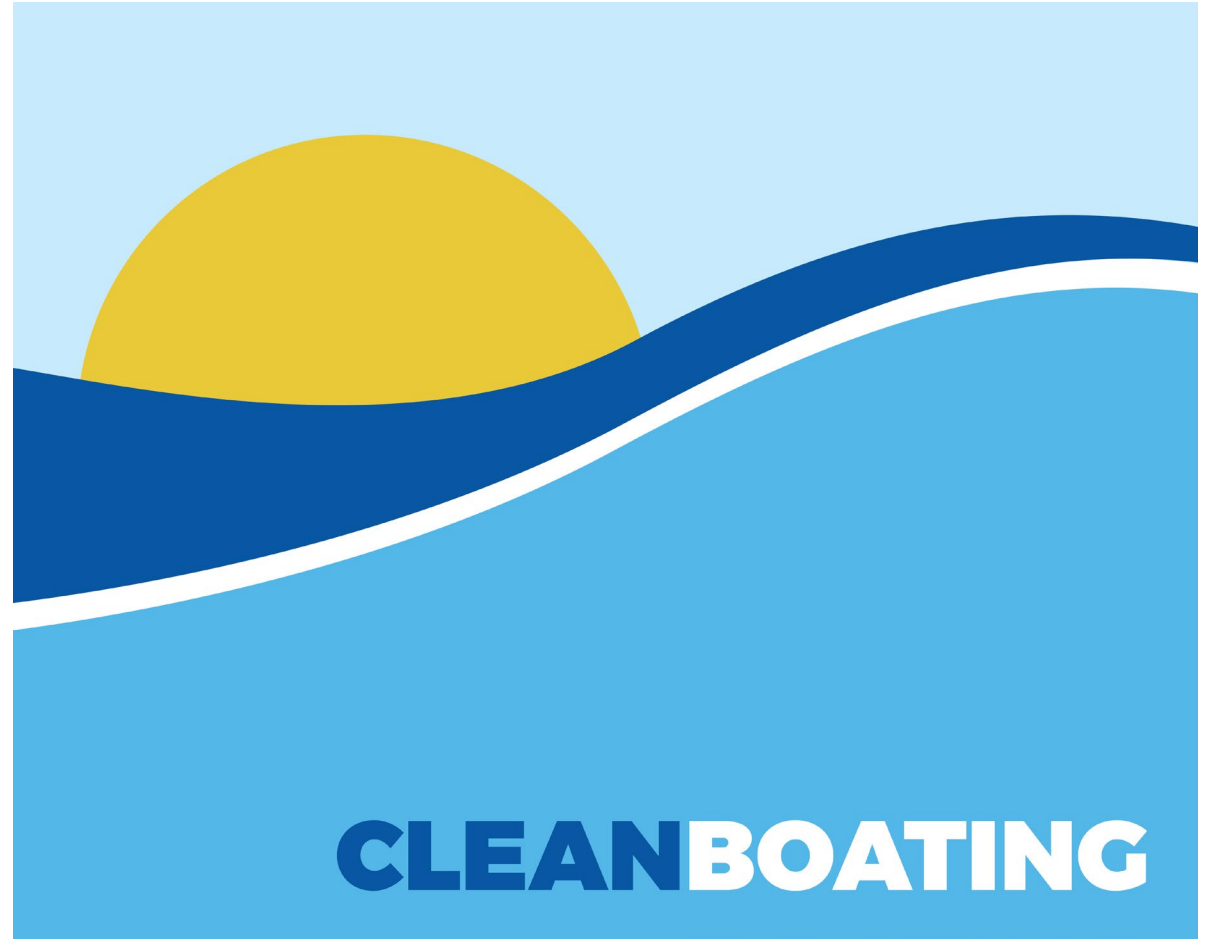
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# Florida Clean Boating Programs

## The Clean Boating Programs:

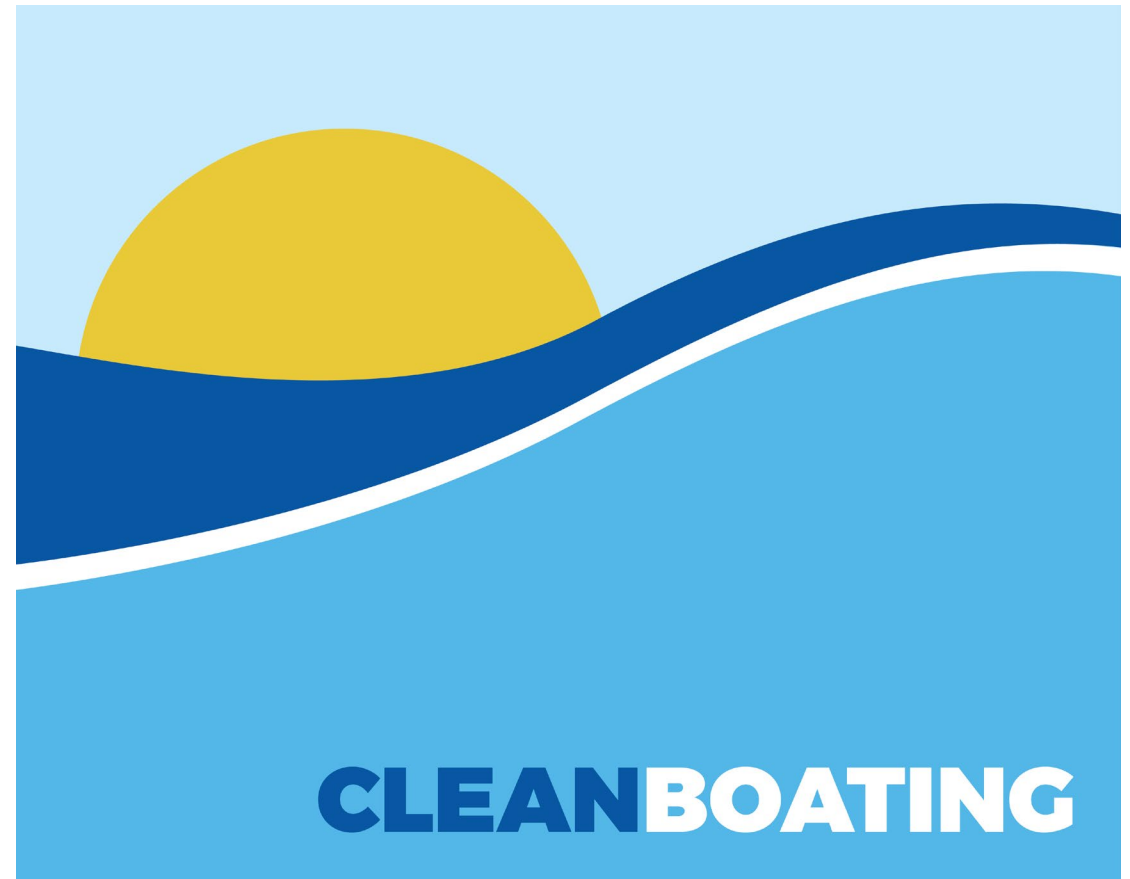
- Clean Marina
- Clean & Resilient Marina
- Clean Boatyard
- Clean Marine Retailer
- **Clean Vessel Act pumpouts**
- Clean Boater
- Clean Boating Partnership





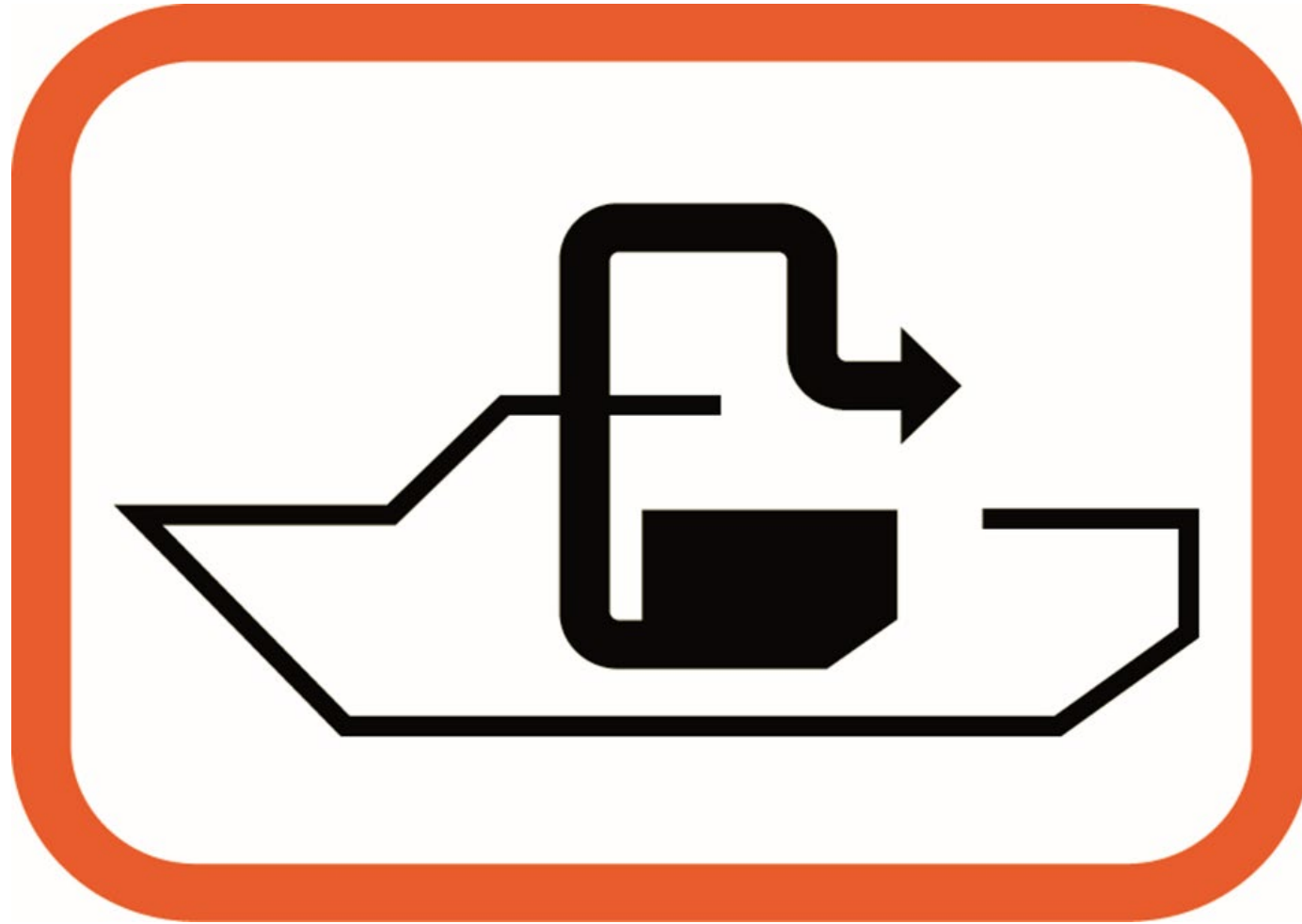
# Florida Clean Boating Programs

The Clean Boating Programs are voluntary, partnership-driven initiatives for marinas, boatyards, retailers and boaters to display a proactive approach to environmental stewardship and incorporate best management practices that exceed regulatory requirements.





# Clean Vessel Act Program



**Universal Pumpout Logo**



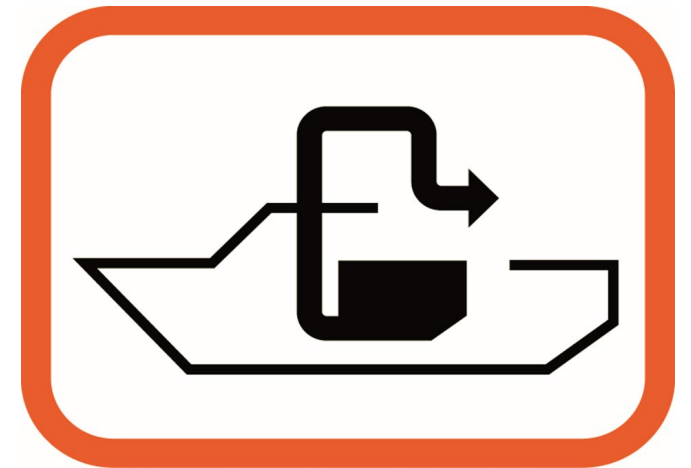
# Clean Vessel Act

## Clean Vessel Act of 1992

- Provides financial aid for pumpout & dump stations
- Provides educational information to boaters

## Marine Sanitation

- Chapter 327, Florida Statutes





# Florida Statute 327.53

- Established in 1994
- Titled Marine Sanitation
- Boaters are prohibited from discharging raw sewage into freshwater or within coastal salt water limits
- Raw sewage discharge prohibited
- 9 nautical miles from Gulf shores
- 3 nautical miles from Atlantic Coast





# Florida Statute 327.53

- All vessels, while on Florida waters, shall set or secure their “Y” valves to prevent discharge of raw sewage.
- On a vessel longer than 26 feet (other than a houseboat), the toilet may be portable or permanently installed.





# Funded Through Excise Tax

Through manufacturers of:

- Marine grade fuel
- Fishing tackle







# Marine Sanitation Devices

- Marine Sanitation Devices are designed to receive, retain, treat or discharge sewage
- **IN NO DISCHARGE ZONES**
  - Must have a Type III MSD and disable the Y Valve or any type of holding tank
  - Includes graywater (galley, bath, shower water)



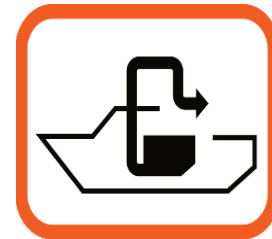


# No Discharge Zones

- Designated by Federal Register Notice
- Raw or Treated Discharge Prohibited in No Discharge Zones
- Vessel must have a holding tank and use pumpout

## NOTICE

THIS WATERWAY IS A  
NO DISCHARGE ZONE



THE DISCHARGE OF  
SEWAGE FROM ANY BOAT  
IS STRICTLY PROHIBITED



# MSD – Type I

- For vessels up to 65 feet
- Installed in vessel plumbing, MSD is free-flow system that macerates sewage to no visible solids
- Treats with chemicals or heat and reduces bacteria count to less than 1,000 per 100 milliliters



Type I for vessels up to 65 feet



# MSD – Type II

- Free-flow system that macerates sewage to no visible solids
- It treats with chemicals or heat and reduces bacteria count to less than 200 per 100 milliliters



MSD Type II for vessels over 65 feet





# MSD – Type III

- Holds sewage in holding tank
- Connected to Y-valve
- Prevents direct overboard discharge of sewage
- May use disinfectants and deodorizers



MSD Type III for any size vessels



# Who Enforces Pumpouts/MSDs?

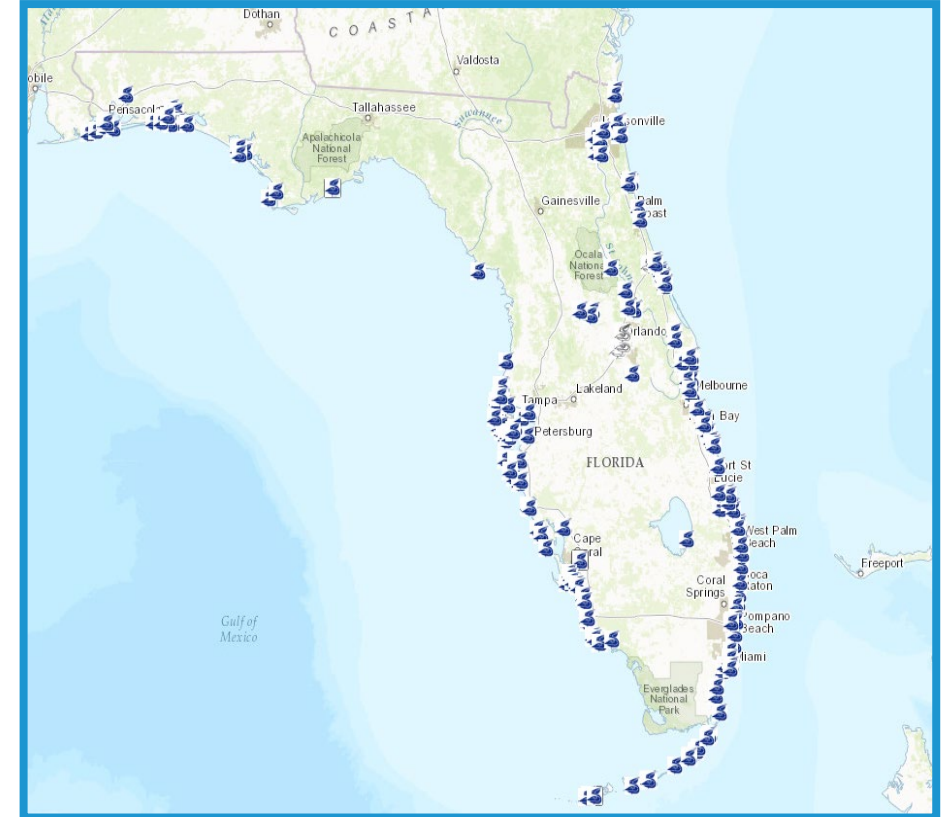
- US Coast Guard
  - USCG has jurisdiction of pumpouts, Marine Sanitation Devices and Y valves
- Florida Fish & Wildlife Conservation Commission
  - FWC enforces pumpouts in Florida waters
- Local Sheriffs offices
  - Local sheriffs offices enforce pumpouts in local water
- All entities proactively encouraging pumping out rather than dumping out





# Responsible Boating

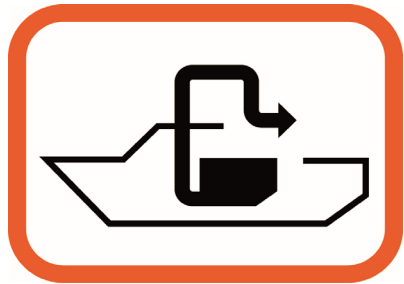
- Provide boater pumpout services
- Provide and use environmentally safe products
- Encourage boaters to obey laws governing speeding, littering and discharge
- Boating facilities encouraged to provide trash cans and recycling bins
- Boaters support marinas that are environmentally responsible





# Florida CVA Grant Program

- Florida marina facilities encouraged to apply for grant funding to purchase and install pumpout equipment and serve and educate boaters
- Size and scope of each project varies depending on facility's needs and budget



Universal pumpout logo







# Grant Eligibility

- Signed agreement must be in place before work starts
- Marinas must have insurance, be a registered business and registered vendor with State of Florida
- Pumpout services must be open and available to public
- Marinas encouraged to offer free pumpout services, but may charge maximum of \$5 during award period and/or post five-year period
- Grantees provide 25% of allowable project costs – 75% reimbursed through CVA funding



# Allowable Projects and Expenses

- Equipment Purchase and Installation (new or replacement)
- Dump station, portable, stationary, pumpout vessel, holding tank, lift station
- Piping, plumbing, electrical
- Operations/maintenance and repair
- Sewage hauling and holding tank
- Pumpout signage
- Education and outreach



New Smyrna City Marina



# CVA Operations & Maintenance

- Funding based on anticipated volume of boating traffic and perceived need for pumpout activity
- Funding for marina staff salary for hours spent pumping out and logging the activity
- Goal: keep sewage from waterways and maintain equipment in good operating condition
- Grants reimburse 75% and marina provides 25%





# Pumpout Signage

All projects funded with CVA grant funds are required to have two posted signs:

- 3' x 4' universal pumpout logo facing waterway
- Informational placard on or next to equipment informing patrons of pumpout instructions and funding accreditation



Halifax Harbor Marina



# Education and Outreach

Grant recipients can create their own educational flyers and other instructional materials.

Pumpout Brochure - Inside

**WHY PUMPOUT?**

- IT'S THE LAW**  
Federal law and Florida Statute 327.53 prohibits discharging raw sewage in all fresh water or within coastal water limits, nine nautical miles in the Gulf of Mexico and three nautical miles in the Atlantic Ocean.
- SEWAGE IN WATERWAYS IS A HEALTH HAZARD**  
Sewage from boats contains disease-causing microorganisms that when discharged into waterways can impact the environment as well as human health. Unfiltered discharge from one weekend boater puts the same amount of bacterial pollution into the water as the treated sewage of 10,000 people. Typhoid, hepatitis, cholera, gastroenteritis and other waterborne diseases can be transmitted through contaminated waters and infected shellfish.
- HELP PROTECT THE ENVIRONMENT**  
Sewage reduces oxygen levels in the water that fish and other aquatic species need to survive. Since the microorganisms within the sewage need oxygen, any discharge into waterways reduces the amount of oxygen available to fish and other aquatic life. Heavy nutrient loads in sewage also promote excessive algae growth preventing life-giving sunlight from reaching sub-surface vegetation.

**HOW DOES A PUMPOUT STATION OPERATE?**  
A boater will secure their boat either at a dock or a mooring field and request pumpout service from the provider. A hose and fitting is then connected from the pumpout equipment to the dock fitting on the boat. The system is turned on and either pumped directly into a local sewer system or pumped into a holding tank.

**WHAT DO THE LAWS SAY?**  
Crafts are required by Florida Statute 327.53, to have a working toilet on board when in State waters. Federal law prohibits the discharge of untreated sewage from vessels within navigable waters of the United States, which include territorial seas within three miles of shore and most bays and estuaries. Boats with Type I and II marine sanitation devices (MSD's) may discharge treated effluent in coastal areas if they are in a no discharge area. Violations are civil infractions carrying fines of \$50 (equipment discharge). If a houseboat or floating structure is used for 30 days or more, the court can revoke or the death of the owner's expense.

**WHICH CRAFTS ARE REQUIRED TO HAVE A WORKING TOILET ONBOARD?**  
According to Florida Statute 327.53, any vessel 26 feet or longer with an enclosed cabin and berthing facilities. Any houseboat, defined as a vessel used primarily as a residence and not moved for 21 out of 30 days in a county of this State. Any floating structure with enclosed living space with berthing facilities or work space with public access.

Pumpout Brochure - Outside

**TIPS TO REDUCE SEWAGE DISCHARGE**

- Use onshore public restrooms whenever possible before leaving for a boating trip, or during stops, instead of an onboard toilet.
- Know where your waste goes and make sure it does not go directly into the water.
- If you have a flow-through treatment system (Type I) or Type II Marine Sanitation Device (MSD) - make sure it is working properly and that all your waste goes through the system.
- Install a holding tank - Type III MSD - and pump it out at one of hundreds of pumpout stations available throughout the state.
- If you have a Type III MSD check that the Y-valve is securely connected to the holding tank to ensure there is no discharge of raw sewage.
- Use enzyme-based products in your holding tank instead of deodorizers and disinfectants which contain chemicals harmful to aquatic life.
- Do not dispose of fats, solvents, oil, emulsifiers, disinfectants, paints, poisons, phosphates and/or diapers in your MSD.
- Encourage local marina owners to get a pumpout station if they do not have one.

**MARINA PUMPOUT SERVICES**

To request a pumpout or for more info, please visit the Salty Sam's Marina Ship Store or call us at **239-463-7333**

Pumpout service is available during normal operating hours or between 9am and 4pm daily. Rates are posted in the Ship Store.

**SALTY SAM'S MARINA**

**HELP KEEP FLORIDA'S WATER CLEAN USE PUMPOUTS**

Funded in part by the U.S. Fish and Wildlife Service, Clean Vessel Act through the Florida Department of Environmental Protection.

**WHAT IS THE CLEAN VESSEL ACT?**

The Clean Vessel Act (CVA) provides funding for construction of pumpout and sanitation facilities that will help ensure proper disposal of human sewage from recreational boats. The CVA was initially authorized by Congress in 1992 to be administered by the U.S. Fish and Wildlife Service. This Act provides over \$10 million of additional funds each year to keep alternatives available to prevent improper disposal of recreational boater sewage.



# Education and Outreach

**PCYC Pump Out Guide**  
How to use the dockside pump-out system at the club.

What a connected system will look like

Pump out nozzle (shown as closed)

Dockside Valve (shown as OPEN)

**STEP 1**  
Rollback the hose out from the shed. You'll need the 6 gallon bucket, bucket and water dependent gloves.

**STEP 2**  
Take the hose off the cart. Laying the hose on the cart may result in the nozzle cap being pulled off. Be careful as you bring the hose onto your boat.

**STEP 3**  
Put the cap on the adapter in place. There are two black rubber adapters, one male, one female. There is also an inverted yellow nozzle cap to cover the adapters don't fit.

**STEP 4**  
Take the cap off of the dockside valve connection. The yellow cap on the connector will face UP.

**STEP 5**  
After removing the cap, lower the hose into the bucket and wrap the yellow valve housing strap around the cap to secure the hose together.

**STEP 6**  
Place nozzle inside into the bucket and wrap on the yellow strap to ensure the nozzle and adapter.

**STEP 7**  
Turn on the pump. There is a filter on the pump (10 minutes). You can turn on the pump before step 7, if you can complete your pumping and testing in time.

**STEP 8**  
Turn on the two dockside valves. In open position they will be vertical, as shown.

**STEP 9**  
You're ready to pump-out. Rotate the nozzle valve to be inline with the hose, as shown. You can see water in the clear chamber. Put 10 city shut off valve and flush your head a few times and repeat pump out.

**STEP 10**  
Shut off nozzle valve using their adapter. Let off nozzle, make an attempt to avoid splashing.

**STEP 11**  
Add water to the bucket to fill the bucket. Remove all adapter and place it back on the holder on the cart.

**STEP 12**  
Place nozzle inside into the bucket of water and turn on the valve. All the water will be quickly sucked out of the bucket. Shut off valve.

**STEP 13**  
Shut off valves at dockside connection. Detach hose connection at hose and replace the cap on the dockside hose.

**STEP 14**  
Wrap hose back onto cart and return to the shed. Turn off pump if still running.

14 pages of 100 each

## Instructions for pumpout operators



# Clean Boater Program

Thousands of boaters have taken the pledge.



## Clean Boating Pledge



As a participating member of the Florida Clean Boating Program, I pledge to do my part in keeping Florida's waterways clean. I will identify opportunities and implement practices to prevent pollution associated with my boating activities such as: fueling, cleaning and washing, sewage handling and maintenance. I will further ensure that all passengers aboard my vessel follow the guidelines and maintain a clean boating environment.

As a Clean Boater I Pledge To:

- Recycle and keep Florida's waterways free of trash
- Practice proper fueling techniques
- Use pumpout facilities
- Support Florida Clean Marinas, Clean Boatyards and Clean Marine Retailers whenever possible
- Promote clean boating habits and the Clean Boating Program to fellow boaters
- Remember that a clean environment ALWAYS starts with ME

•Name \_\_\_\_\_

•Address \_\_\_\_\_

•Email address \_\_\_\_\_

•Submit

[FloridaDEP.gov/CleanBoater](http://FloridaDEP.gov/CleanBoater)



# CVA Pumpout Gallon Reporting

**Did you know?**

**Nearly 35 million gallons of boater sewage  
have been reported pumped and disposed of properly!**

- For projects with equipment purchase, quarterly reporting is required for 5 years after grant award period
- For operations projects, quarterly pumpout reporting is required during grant award period
- Grantees can charge maximum of \$5 for pumpout
- Grantees can submit report via website, email or fax
- Reported data is entered into pumpout gallon tracking sheet

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CLEAN VESSEL ACT GRANT PROGRAM  
**5-YEAR QUARTERLY GALLON PUMPOUT REPORTING FORM**

SUBMISSION INSTRUCTIONS: Save this document to your computer, fill out the facility name address, CVA number, MV number, and contact information. Fill out the pumpout information for the current year/quarter. Save it, then e-mail the completed form by clicking the 'Submit by E-mail' button below. Return to this form each quarter to save and submit via email: [Clean\\_Vessel\\_Act@dep.state.fl.us](mailto:Clean_Vessel_Act@dep.state.fl.us). OR you can print and fax your completed form to: 1-866-340-4683. If you are unable to submit electronically, please contact our office for further submission instructions.

Agreement Number(s)	Facility Name:	<input type="text"/>
CVA: <input type="text"/>	Facility Address:	<input type="text"/>
MV: <input type="text"/>	Contact Name:	<input type="text"/>
	Contact Phone:	<input type="text"/>
	Contact Email:	<input type="text"/>





# Plan Your Project

- Aerial drawing or engineering plans of proposed project site with pumpout location marked
- Pictures of proposed project site
- Any site preparation needed before pumpout installed?
- Any state or local permits needed
- Gather quotes for any equipment or service that costs more than \$2,500
- Summarize work plan

8/21/2019: CVA19-950

This is location of dock where vessels will be able to receive fuel and pumpout services



This is where stationary unit and holding tank will be located...plumbing and electric will run from this location to the above fuel dock.



# CVA Grant Process

- Project eligibility and planning
- Complete supporting registrations
- Gather quotes, other documents
- Send application, documents
- Grant Manager assigned, contact made
- Grant Manager ensures package is complete
- Site visit, review confirmation
- Administrative approval
- Grant executed, work begins
- Status reported quarterly
- Invoice CVA program for 75% reimbursement
- Quarterly gallons pumped reported for 5 years



# CVA Grant Application

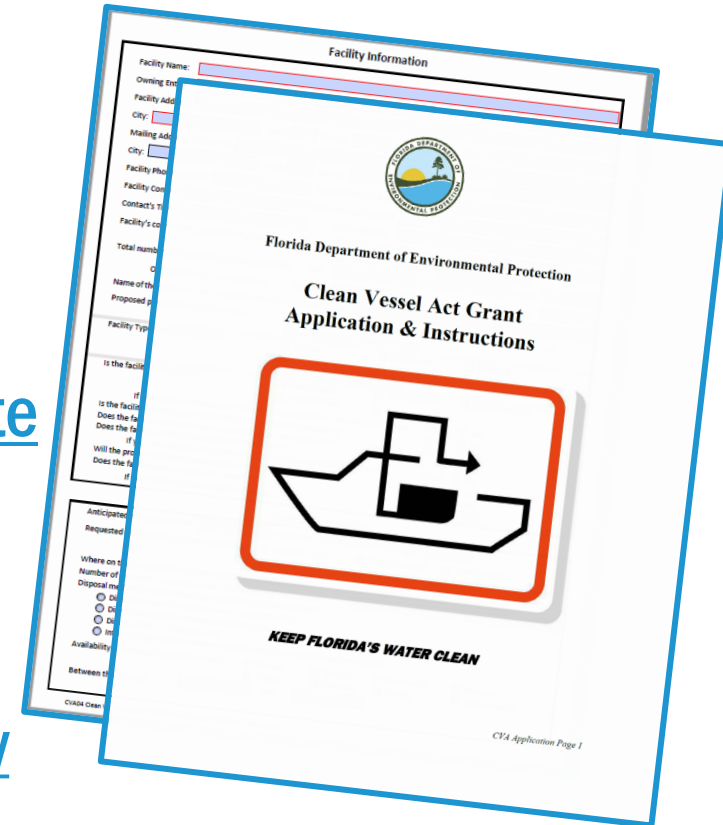
**No grant-funded work can start until executed agreement is completed.**

Applications available online: [www.FloridaDEP.gov/CVA](http://www.FloridaDEP.gov/CVA)

Submit applications and supporting documents via:

- DEP Grant Portal – initial access through [DEP CVA website](#)
- Email: [Clean.Vessel@FloridaDEP.gov](mailto:Clean.Vessel@FloridaDEP.gov)
- Fax: 866-340-4683

For more information, email [Clean.Vessel.Act@FloridaDEP.gov](mailto:Clean.Vessel.Act@FloridaDEP.gov) or call 850-245-2847.





# Clean Boating Programs

Florida Clean Vessel Act Program

[www.FloridaDEP.gov/CVA](http://www.FloridaDEP.gov/CVA)

Clean Boater Program

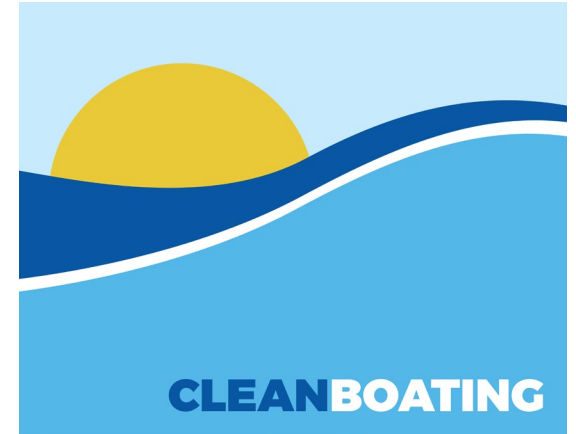
[www.FloridaDEP.gov/CleanBoating](http://www.FloridaDEP.gov/CleanBoating)

Florida Clean Marina Program

[www.FloridaDEP.gov/CleanMarina](http://www.FloridaDEP.gov/CleanMarina)

Clean and Resilient Marina

[www.FloridaDEP.gov/CleanResilient](http://www.FloridaDEP.gov/CleanResilient)





# Questions and Answers

# **CLEANBOATING**



**Thank you!**

**Brenda Leonard, Program Administrator  
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