



## Selectmen's Office

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December 22, 2015

The Town of Essex, Connecticut is herein submitting, to your boat building business, a request for Pricing (RFP) for the purchase and delivery of a new pumpout boat.

The requested vessel would be an outboard powered (200HP) center console, 23-25' in length with a 400-500 capacity waste storage tank.

The Connecticut River Pumpout Boat Program is a service to the recreational boaters in the Lower Connecticut River Valley. The seven municipalities on both sides of the River participate in the program. The Town of Essex is the lead and would be the buyer. The program is managed by the harbor management commissions of Essex and Chester.

Attached please find the Request for Pricing.

A response is requested on or before January 29, 2016 COB.

Sincerely,

Norman M. Needleman  
First Selectman

ENCL: RFP



**TOWN OF ESSEX**  
**First Selectman's Office**  
Town Hall  
29 West Avenue  
Essex, CT. 06426

**INVITATION TO BID**

Pumpout Boat  
23' Center Console  
With Integrated Pump and Holding Tank  
200 HP Outboard

**GENERAL INFORMATION:**

The Town of Essex intends to purchase a pumpout vessel to be used in the pumping out of waste from other vessels and to transport such waste to a proper disposal facility. The pumpout boat must meet standards for this type of vessel, and bidder must be able to attach a safety Coast Guard label to each boat.

**VENDOR PROPOSAL SUBMISSIONS:**

1. Responses are required to be complete and to adhere to the specifications and format requested as closely as possible. The Town of Essex will assume that any response received (which does not clearly indicate otherwise) is based upon the requirements in the associated specifications and meets or exceeds those standards herein.
2. The Town of Essex by action of its Pumpout Boat Selection Committee, reserves the right to reject any and all proposals. The preparation of proposals is solely at the bidder's expense. It is also understood that all submissions become the property of the Town of Essex to use, as it deems necessary, to accomplish the objectives outlined herein.

## REQUEST FOR PRICING (RFP)

Pumpout Boat to service the Lower Connecticut River

Distributed (E-Mail): December 22, 2015

Response (E-Mail) due: January 29, 2016 COB

Response To: Town of Essex  
Office of First Selectman  
RE: Pumpout Boat RFP  
29 West Avenue  
Essex, Ct 06426

E-Mail: [mlucarelli@essexct.gov](mailto:mlucarelli@essexct.gov)  
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Questions:  
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**PUMPOUT BOAT REQUEST FOR PRICING**  
Center Console with 200 HP Outboard  
With integrated pump and holding tank.

The Town of Essex is seeking information and pricing for a pumpout vessel to be used in the pumping out of waste from other vessels and to transport such waste to a proper disposal facility. The pumpout boat must meet standards for this type of vessel, and bidder must be able to attach a safety Coast Guard label to the boat.

**Timeline:**

RFP;	December 22, 2015
Response Due;	January 29, 2016
Decision/Award	February 15, 2016
Delivery;	On or before May 10, 2016

**Delivered vessel must meet all pertinent United States Coast Guard safety equipment requirements.**

**DELIVERY:**

Boat to be delivered to: The Town of Essex, c/o Brewers Essex Island Marina, Foot of Ferry Street, Essex, Ct. 06426.

**RFP DELIVERABLE:**

Quotation including

1. The meeting of Pumpout Boat specs
2. Pricing (FOB Essex).
3. Report on manufacturer's sea trial.
4. The certification of stability by a certified marine engineer
5. *Pictures of the (or a similar) boat and spec drawings must be supplied with response.*

**SUBMITTER'S QUALIFICATIONS:**

Bidder must currently be in the business of building and delivering pumpout/workboat type vessels.

**WARRANTY:**

Minimum 5 year structural hull warranty as long as the boat is used for marine waste only. 5 years on containment cell.

**VESSEL SPECIFICATIONS (or provable comparables):**

Overall Length: 23' -25' not including added platforms, or pulpits.  
Beam: 8'6"-9' without fender system, or rub rail.  
Draft (exclusive of outboard) 16" lightship  
24" Full load of waste

**MODIFIED V HULL DESIGN:**

The hull shall be a modified V hull with a concave bottom, not convex. Hull shall meet the above specifications listed under SPECIFICATIONS. The hull shall be constructed of a proven material meeting the needs of this application

There shall be NO Wood components in the entire boat.

**CONTAINMENT CELL:**

A 400 to 500 gallon holding tank shall be built into the hull. The containment cell shall to be built completely below the water line. No part or parts of the holding shall be above the floor. The containment shall be baffled.

Holding tank must be certified as to its stated holding capacity.

Holding tank must have a plunger type holding tank status indicator. The tank status gauge must indicate when tank is 1/2, 3/4 and full and sound and alarm when the tank is full. The tank status indicator to be mounted on the center console.

**PUMP FOR CONTAINMENT CELL:**

Pump Kleen, (or comparable)

The pump shall be located under the center console. This includes all plumbing and vents the pump shall be an Edson electric diaphragm pump (or comparable). The vent must be directed outside and overboard of the vessel. The switch that runs the pump shall be located on the center console, and shall be a minimum of 60 amps, and be waterproof. The Edson switch **must** be more durable than the one sold in 2007 with this pump.

Manufacturer's statement to be included with response.

Switches and circuit breaker shall meet or exceed the electrical loads of the pump? And meet ABYC standards.

The Edson pump that runs the sewage tank shall be located completely under the center console, including all plumbing and vents. This shall allow the forward working area of the boat to have NO trip hazards.

Suction hose, with appropriate nozzles and valve including a see thru section, shall be provided. See page 7

**DECK: Floor:**

There shall be NO WOOD in the floor.

Deck shall be free from any trip hazards. This shall include the lip of any containment cell, any pumps, or plumbing including vents. Deck must contain two (2) stowage areas in the stern, and one under the seat. The seat stowage must be moisture resistant, have a cushion attached to be used as a leaning post, or a seat, and must contain lockable doors, with adjustable shelves. The seat storage must be vented. There must be three stowage areas in the bow, one each on the starboard, and port side, with matching access doors. There must also be a stowage area between them with a matching door. No wood components will be accepted. The deck shall be self-bailing with tank empty or full. The (gunnel) deck shall have a freeboard of 46" in the bow, and 29" in the stern.

Stern deck shall include a large splash well for the motor, and the backing up into seas to keep the water off the floor. There shall be NO WOOD in the deck.

**FLOTATION:**

Boat must meet United States Coast Guard flotation requirements including stability.

**CENTER CONSOLE WITH T-TOP**

The center console shall be large enough to house the entire containment pump, including all plumbing and vents. Console shall have a 7-panel circuit breaker. The T-Top shall be a hard top. It shall be 90" tall 77" long from bow to aft, and 57" wide from starboard to port. It shall contain an electronic box with a Plexiglas lockable door. A fabricated tube shall run from the electronic box to the top of the center console that will allow all wires to run through and be concealed. Center Console must have enough room within to physically work on pump and electronics.

Nuts and bolts must be aircraft locking type nuts/washers.

Console to be sufficiently ventilated.

The console shall have roll up weather protection curtains similar to the attached illustration.

**STORAGE COMPARTMENTS:**

Storage compartments including leaning post to be ventilated.

**FUEL TANK:**

The fuel tank shall be a minimum of 50 gallons, and mounted under the floor. No tank, mounted on the floor or deck, will be accepted.

### **FENDER SYSTEM:**

A complete all round fender system using 8"x20" Polly fenders. Forward two (2) fenders, on both sides shall be larger such 10.5"X 30". Fenders to be secured by 3/16" stainless coated lifeline wire, attached to the hull using thru hull or welded stainless steel 5/16" U clamps.

### **STEERING:**

Steering shall be hydraulic, as recommended the manufacturer and include a 15" stainless steering wheel.

### **ACCESSORIES:**

- Insignia; Vessel to bear the Clean Water, DEEP and the traditional stripe labels. Supplied by the CT DEP 860-447-4340 Kate Brown.
- One (1) raw water wash down system, with 25' hose.
- All wires from motor to center console through a 4" PVC pipe under the center console. The PVC pipe shall have a transom drain on the outside of the transom so it may be drained for winter storage, and, or ordinary maintenance.
- A 1500gpm automatic bilge pump shall be installed in the hull at the stern with a 2" through hole to the starboard side of the hull.
- Boat shall have a 3" stainless steel bow eye and two transom tie downs.
- Boat shall have seven, pop up; 10 inch cleats; 2- aft, 4- midships, and one on the bow. The bow shall also contain two bow chocks.
- The boat shall have running lights. And console overhead deck lights.
- Boat shall have a complete Coast Guard package.
- Boat shall include a compass, mounted on center console.
- ***VHF and antenna are not included in this RFP.*** However, feed a red black 14 gauge wire up into the compartment in the overhead.
- Boat shall include a built in depth finder with a 1.5" depth display with shallow alarm.
- Boat shall have a minimum of four suitable dock lines included: bow, stern and two 30' springs. This is in addition to the two lines included in the above mentioned Coast Guard Safety Package.
- Boat shall include a suitable anchor, 6' of chain and 50" of line rode.
- One (1) spare waste nozzle
- Suction hose for Edson Pumpout 33' by 1 ½ "
- Second suction hose 30' by 2".
- Two deep cycle series batteries
- One (1) non feedback battery switch

**Engine:**

200 HP Mercury OPTIMAX, 2 cycle or comparable outboard<sup>1</sup> completely rigged with controls, fuel gauges package, and Binical Mount. Propeller shall be aluminum. Gauges shall include volt, amp, oil, fuel, tack and speed, plus all necessary gauges. The engine comes with a warrantee from the manufacturer.

**Bow Thruster:**

Vessel shall have a bow thruster installed, with sufficient power to move the bow during close in approaches to other vessels, docks, pilings, etc.

If not a viable option for this size boat, note on response: quoted without a bow thruster installed..

**SAFETY EQUIPMENT:**

A fold-up type boarding ladder to allow easy access from the water to be installed on the stern of the boat.

**INSPECTION AND SEA TRIALS:**

The builder, at his location, must launch and perform sea trials, during which the boat must run over a measured mile course to determine speed, handling and noise characteristics. A minimum of two (2) operational hours underway time is required under these trials and all mechanical and electrical systems tested. Any deficiencies noted must be corrected prior to delivery. The purchaser reserves the right to inspect the vessel at the manufacturing place at any time while the vessel is being built.

**Certification:**

Response must include a certification by a certified marine engineer that the vessel will do the job (as a pumpout boat) it is supposed to do and include a stability statement.

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<sup>1</sup> If other than a 200 HP Mercury OPTIMAX, the manufacturer's authorized service agent must be located on the lower Connecticut River [East Haddam Bridge downstream].

## ATTACHMENT

Crew roll up weather protection around the console, including a zippered back enclosure.

