

Tennessee Wildlife Resources Agency
TWRA Normandy Fish Hatchery Pond Liners
Specifications
ITB 32801-12996

This solicitation is for the purchase of 2 pond liners for Normandy Fish Hatchery, which will cover the existing tan polypropylene pond liners.

1. General Information:

- a. The two ponds are approximately 1 ½ acres each.
- b. The job is estimated to be approximately 78,000 square feet for each 1 ½ acre pond. This estimate is given for job sizing purposes only.
- c. Bidders shall be responsible for determining actual measurements and job requirements.
- d. TWRA will prepare the ponds for pond liner installation by cleaning the pond bottom of any substrate on the present liners if needed.

2. Pond GPS Coordinate/Locations:

- a. Liner 1: 35.456153 Liner 2: 35.456826
 -86.249204 -86.249307
- b. Normandy Fish Hatchery
 380 Huffman Rd,
 Normandy, TN 37360

3. Materials and Installation:

- a. The contractor shall furnish written certification from the liner manufacturer that the contractor or installer is licensed and or trained by the liner manufacturer to install their product.
- b. The contractor shall furnish and install a 45-mil thick, scrim-reinforced polypropylene liner. The geomembrane shall be manufactured by the calendaring process, consisting of first-quality ingredients, suitably compounded, of which polypropylene is the principal resin. The finished compound shall be uniform in color, thickness, size, and surface texture with maximum UV protection. Installation shall be in all respects performed according to manufacturer specifications. The color of the liner shall be black.
- c. The contractor shall install liner material to the upper pond water intake structure and around the pond's kettle structure.
- d. The contractor shall provide and install a 2-inch wide by ¼-inch-thick stainless steel batten bar with 3/8-inch anchor bolts and other materials associated to achieve a water-tight seal.

- e. The contractor shall be responsible for excavating of anchor trench, liner placement, and covering of the anchor trench.
- f. The contractor shall install single-wide factory panels or 40-50-foot-wide panels are acceptable. A final smaller width panel may be needed and is acceptable to complete the total pond coverage and save on material costs.
- g. The contractor shall install a new liner over the old liner presently in the pond.
- h. The Contractor shall not be responsible for installing liner vents.

4. Warranty:

The geomembrane manufacturer shall confirm in writing, prior to shipment, that the material to be furnished will meet the intent of the specifications and shall guarantee the material to be free of defects in material and workmanship at the ultraviolet, or other normal weathering on a pro-rata basis for 20 years from the date of acceptance. The geomembrane manufacturer shall furnish a sample warranty for review and approval prior to shipment. The contractor shall guarantee the installation workmanship for 2 years from the date of the project acceptance.

5. Site Visits

- a. Contractors interested in bidding are encouraged to visit the job site to inspect the job requirements.
- b. Contractor shall contact Nathan Singer 48 hours before intended visit to confirm time and date.
- c. Point of contact:
Nathan Singer
Normandy Fish Hatchery
380 Huffman Rd,
Normandy, TN 37360
Phone: 931-857-3417
615-981-9320