

Specifications
TWRA Normandy Fish Hatchery Pond Liner
For Tennessee Wildlife Resources Agency (TWRA)
ITB 32801-12649

A. General Information

1. Job is estimated to be approximately 106,000 square feet. This estimate is given for job sizing purposes only. Bidders shall be responsible for determining actual measurements and job requirements.
2. There are two rolls of Raven brand material at the hatchery that needs to be used on this project. Each roll measure 40 feet wide and 600 feet long and is a 45-mil thick, scrim-reinforced polypropylene material.
3. Contractor shall furnish written certification from the liner manufacturer as proof the contractor or installer is licensed and or trained by the liner manufacturer to install their product.
4. 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 main resin. The finished compound should 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 must be black.
5. Single wide factory panels or 40 to 50-foot-wide panels are acceptable by the owner. A final smaller width panel maybe needed and is acceptable to complete the total pond coverage.
6. Contractor shall install liner material to upper pond water intake structure and around pond's kettle structure. Provide and install 2 inch wide by ¼ inch thick stainless steel batten bar with 3/8-inch anchor bolts and other material associated to achieve a watertight seal. Excavating of anchor trench, liner placement and covering of anchor trench shall be done by the installer.
7. New liner shall be installed over the old liner presently in the pond.
8. Guarantee/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.
9. No liner vents will need to be installed.
10. TWRA will prepare the ponds for pond liner installation by cleaning the pond bottom of any substrate on the present liner if needed.

B. Site Visit

1. A site visit is strongly recommended but not required.
2. Respondent shall contact the location at least 3 days before the intended site visit.
3. Site Contact: Nathan Singer at 931-857-3417 or 615-981-9320.

4. All site visits shall be completed before February 10, 2023, at 2:00 PM CST if bidder intends to submit questions and/or comments regarding findings from the site visit. (Questions and Comments are due February 10, 2023).

5. Location: Normandy Fish Hatchery
380 Huffman Rd
Normandy, TN 37360