

Tennessee Wildlife Resources Agency

Event #32801-11624 Normandy Pond Liners

Specifications

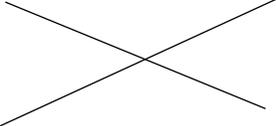
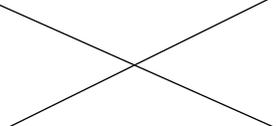
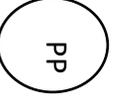
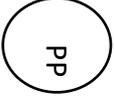
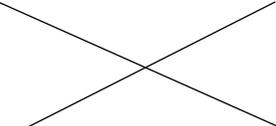
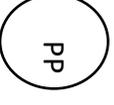
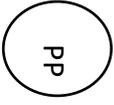
This event is for a one-time purchase to line six (6) ponds at the Normandy, TN fish hatchery for Tennessee Wildlife Resources Agency (“TWRA”). There are three (3) one-acre ponds and three (3) one- and one-half acre ponds to be lined at the location. All ponds are replacement liners except one (1), one- and one-half acre pond that shall be a new liner. Pond 2C. Line one in Event 32801-11624 represents the three (3) one-acre ponds and line two represents the three (3) one- and one-half acre ponds.

Pond numbers at the hatchery are: **3A**-1.5 ac., **4A**-1.0 ac., **6A**-1.0 ac., **7A**-1.5 ac., **6C**- 1.0 ac., **2C**-1.5ac.
See Specifications page 3.

- 1) Bidders are encouraged to visit the job site to inspect the job requirements. The site contact, Nathan Singer, can be reached by phone at 931-857-3417 or 615-981-9320. Normandy Fish Hatchery, 380 Huffman Rd, Normandy, TN 37360.
- 2) Job is estimated to be approximately 52,000 square feet for the 1 acre ponds and 78,000 for the 1 ½ acre ponds. This estimate is given for job sizing purposes only. Bidders are responsible for determining actual measurements and job requirements. Job description is to install new liner material over existing hypalon material, batten bar replacement and liner anchor trenches beside existing liner anchor trenches.
- 3) Contractor must 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.
- 4) Contractor to 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 principle 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 50-foot-wide panels are acceptable by the State. A final smaller width panel maybe needed and is acceptable to complete the total pond coverage, and save on material costs. Pond 2C is a 1 ½ acre earthen pond, 50-foot-wide panels are preferred by the State. A final smaller width panel maybe needed and is acceptable to complete the total pond coverage and save on material costs.
- 6) Contractor to install liner material to upper pond water intake splash pad and around pond’s kettle structure with stainless steel batten bar and other material associated to achieve a water tight seal. Excavating of anchor trench, liner placement and covering of anchor trench shall be done by contractor.
- 7) 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.

- 8) No liner vents will be installed.
- 9) TWRA will prepare the ponds for pond liner installation by redressing the pond levees and then rolling the ponds with a smooth roller.

Normandy

7C	6C	5C	4C	3C	2C	1A
1.5	1	1	1	1.5	1.5	
						
7B	6B	5B	4B	3B	2B	
1.5	1	1	1	1.5	1.5	
						
7A	6A	5A	4A	3A	2A	1A
1.5	1	1	1	1.5	1.5	1
