

Tennessee Wildlife Resources Agency

Event #32801-11617 Hiwassee Fish Hatchery Pond Liner

Specifications

Specifications for one (1) pond liner that is approximately two (2) acres.

- 1) Bidders are encouraged to visit the job site to inspect the job requirements. The site contact is Chris Morton, can be reached by phone at 865-719-8973. Hiwassee WMA (Refuge) address, 545 Priddy Road, Birchwood, TN. 37308. GPS coordinates: 35.407510 -84.980718 pond site.
- 2) Job is estimated to be approximately 104,000 square feet for the 2 acre pond. This estimate is given for job sizing purposes only. Bidders are responsible for determining actual measurements and job requirements.
- 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) 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 with 3/8" anchor bolts 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.