

**RIVANNA WATER & SEWER AUTHORITY
695 MOORES CREEK LANE
CHARLOTTESVILLE, VA 22902**

**BOAT DOCK CONSTRUCTION REQUIREMENTS – SOUTH FORK RIVANNA
RESERVOIR**

The construction requirements presented below are designed to provide guidelines for construction of a floating dock on the South Fork Rivanna Reservoir which will have minimal impact on the water quality of the reservoir.

- 1) The dock assembly must float and fluctuate with the changing water level of the reservoir.
- 2) The dock is not a permanent structure and as such, no pilings or moorings can be used to connect the dock to the bottom of the reservoir.
- 3) The boat dock structure shall not extend more than 25 feet into the reservoir and be no greater than 8 feet in width.
- 4) Flotation material shall be extruded polystyrene, expanded polystyrene, or a copolymer of polystyrene to float the dock structure. Plastic or metal drums for floats are prohibited.
- 5) A polyurethane or epoxy type coating can be applied to the polystyrene, expanded polystyrene, or a copolymer of polystyrene to prevent deterioration.
- 6) Flexible joints should be used to allow movement of the dock and walkway in severe weather. A rigid structure is more likely to be impacted by severe weather.
- 7) A small deck can connect at the shoreline side to the floating portion of the dock. This deck should be no more than 4 feet in length and the same width as that of the floating dock. Construction of the deck portion of the dock will be required to comply with the provisions of the Albemarle County Special Use Permit.
- 8) To anchor the dock within the reservoir, an anchor cable should be used to connect the dock to a fixed cable sentinel weight (typically 1-gallon concrete~20 lbs in weight) which will then be connected to a 5-gallon concrete anchor, (approximately 100 lbs in weight).
- 9) Mooring eyes should be placed into each side of the length of the dock to tether the dock to two mooring stakes on the shoreline.
- 10) Use of lumber treated with Chromated Copper Arsenate (CCA) is prohibited. The use of this chemical as a wood preservative was discontinued as of December 31, 2003. Although construction materials bought today will not have been treated with CCA, it is possible that applicants could have

stockpiles of wood that were treated with CCA. The use of these materials is not allowed.

- 11) All lumber used in construction of the boat dock must be pressure treated and be consistent with Environmental Protection Agency regulations on use of treated wood.
- 12) These Boat Dock Construction Requirements are intended solely to safeguard the operation of the Reservoir and quality of the water in the Reservoir. These requirements are not for the purpose of ensuring safe construction of the dock. It is recommended that design of the dock structure be reviewed by a licensed Virginia professional engineer.