

**HydroTurf Consulting Committee**  
**Board Room, Department of Conservation and Recreation, Richmond, Virginia**  
**Friday, September 29, 2017**

**Consulting Committee Members Present**

Amanda Hess, Gannett Fleming  
Dr. Art Miller, AECOM  
Dr. Jorge Zornberg, University of Texas at Austin

**DCR Staff Present**

David Dowling, Deputy Director  
Christine Watlington, Senior Policy and Planning Analyst  
Scott Thomas, Regional Dam Safety Engineer

**Consulting Committee Work Session**

Dr. Miller called the meeting to order and mentioned several items the Committee needed additional information on including the process Virginia currently uses for approving a design submittal utilizing roller compacted concrete (RCC) or articulated concrete blocks (ACB) and what the Department is anticipating in terms of a report.

The Committee called Mr. Brad Cooley with Watershed Geo to ask additional questions related to HydroTurf™ and his presentation from the day before. The Committee asked about:

1. The use of a drainage system under the HydroTurf™ geomembrane;
2. The anchor trenches;
3. The use of different geosynthetic material depending on the structure type;
4. Liquid in the drainage layer;
5. The warranty for HydroTurf™ and how the warranty process works; and
6. The case studies that had been presented by Mr. Cooley during his presentation.

Additional materials were requested from Mr. Cooley by the Committee including additional pictures from a case study and additional materials related to the anchor trench designs. The call with Mr. Cooley ended at 2:10 p.m.

The Committee continued discussion about potential failures scenarios such as underseepages, anchor trench failures, toe failures, and significant holes or other damage to HydroTurf™.

Additional discussion focused on the Virginia Soil and Water Conservation Board meeting in November and the most effective way for Dr. Miller to present the Committee's recommendation to the Board.

The Committee finished their discussion and adjourned the meeting at 4:30 p.m.